



Environment

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

Prepared by:
AECOM
Amherst, NY
60288479-1
July 26, 2013

Periodic Review Report (April 3, 2012 through April 3, 2013)

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 3, 2012 through April 3, 2013)," 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: July 26, 2013

1.0 Introduction

On behalf of Tyco International 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. 915149, 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 2012 and April 2013.

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 DER-10, May 2010). 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 2013 comprehensive groundwater monitoring event, and a comparison of historical comprehensive groundwater analytical results to the April 2013 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, 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 a 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. A 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 ft 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 cleanup criteria. The RAOs 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 3, 2012 through April 3, 2013) for the combined DPE remediation system.

2.1 Current Remediation System Description and Configuration

As described in Section 1.2.4.2 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 1.2.4.1 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, the system ran with a total DPE system runtime of approximately 47 percent between the first quarter 2013 and second quarter 2013 sampling events. 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 repairs to the LRP between the first quarter 2013 and second quarter 2013 sampling events.

During the reporting period, the DPE system collected approximately 2,475 gallons of groundwater at an average flow rate of 0.02 gallons per minute (gpm). The GWCT collected approximately 109,980 gallons of groundwater at an average flow rate of 1.06 gpm. Therefore, the total combined DPE remediation system groundwater treated and discharged to the sanitary sewer by the AS unit effluent pump was approximately 112,455 gallons at a combined average flow rate of 1.08 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. (Note: This information is on the basis of a fiscal year which begins in October.)

Third Quarter 2012 (following April 2012 sampling event through end of July 2012 sampling event) combined DPE remedial system O&M:

- On April 19, 2012, AECOM and subcontractor Matrix Environmental Technologies Inc. (Matrix) serviced the LRP thermo-coupler and restarted the system.
- On May 31, 2012, AECOM and Matrix performed the quarterly O&M activity on May 31, 2012 (bag filter was changed, AS was disassembled and trays were power washed, AS mufflers were cleaned, AS and DPE trailer air intake screens were cleaned, knockout tank transfer pump was repaired, and knockout tank transfer hose was replaced). System was restarted.

Fourth Quarter 2012 (following July 2012 sampling event through end of October 2012 sampling event) combined DPE remedial system O&M:

- On July 19, 2012, AECOM and subcontractor Matrix serviced the knockout tank pump (replaced drive coupler).

- On August 13, 2012 Matrix serviced the LRP (resolved a high temperature alarm).
- On August 13, 2012, AECOM and subcontractor Heritage Environmental Services, LLC (HES) completed a hazardous waste pickup.
- On October 3, 2012, AECOM and Matrix performed the annual O&M event. In addition, the GWCT pump was removed under confined space permit and cleaned.

First Quarter 2013 (following October 2012 sampling event through end of January 2013 sampling event) combined DPE remedial system O&M:

- Winterized DPE trailer and perform repairs to GWCT pump, LRP, and knockout tank.
- Performed quarterly system cleaning and replace knockout tank transfer pump. Also cleaned totalizers and conveyance piping from DPE system to AS.
- During the week of January 14, 2013, performed quarterly O&M activity with Matrix, including replaced knockout tank transfer pump, cleaned totalizers, dismantled air stripper to service pump float, and cleared blockage in DPE transfer line to the air stripper.
- On January 21, 2013, AECOM and subcontractor HES completed a hazardous waste pickup.
- Dismantled the LRP to troubleshoot vibration issues with pump, and met with pump representative during the week of January 28, 2013.

Second Quarter 2013 (following January 2013 sampling event through end of April 2013 sampling event) combined DPE remedial system O&M:

- Completed repairs (complete overhaul) to the LRP with Matrix.
- On March 1, 2013, AECOM and Matrix installed a new totalizer on the effluent AS, replaced the conveyance piping from the DPE system to the AS and replaced a leak in the LRP return line.
- On March 29, 2013, AECOM and Matrix cleaned the AS effluent line (note AECOM received prior approval from BSA for this activity).

2.3.3 Waste Disposal

On August 13, 2012, HES transported and disposed one 55-gallon drum (180 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 February 2012 and August 2012.

On January 21, 2013, HES transported and disposed one 55-gallon drum (165 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 July 2012 and January 2013. AECOM personnel supervised the loading of the drums at the Site prior to transportation to an approved disposal facility. The next hazardous waste pickup (for waste generated between January 2013 and July 2013) is planned for July 2013.

3.0 Groundwater Monitoring Summary

A detailed description of groundwater monitoring activities completed during the reporting period (April 3, 2012 through April 3, 2013), 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 2012, October 2012, and January 2013) and one comprehensive monitoring event (April 2013).

In July 2012, October 2012, and January 2013, 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 2013, a comprehensive groundwater monitoring event was conducted that included all Site monitoring wells and nested piezometer pairs (17 total wells). Discussions of the results and the associated laboratory reports for the July 2012, October 2012, and January 2013 groundwater sampling events have previously been provided to the NYSDEC in quarterly monitoring summary reports (AECOM, August 2012; AECOM, November 2012; and AECOM, February 2013). A discussion of the groundwater analytical results for the comprehensive April 2013 sampling event is presented in Sections 3.2 and 3.3 of this report.

3.2 April 2013 Groundwater Elevations and Groundwater Flow Direction

AECOM personnel collected groundwater samples for the latest comprehensive monitoring event between April 1 and 3, 2013, in accordance with the procedures outlined in the NYSDEC-approved RDWP. Monitoring wells sampled in April 2013 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 2013 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 was measured for all Site wells and piezometers. **Table 4** provides a summary of groundwater elevations measured on April 1, 2013. A historical summary of groundwater levels and corresponding elevations and hydrographs for each monitoring well and nested piezometer pair is 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 2013 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 1, 2013 ranged from 667.77 feet above mean sea level at MW-4 to 687.02 feet above mean sea level at MW-15S. 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** show 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 2013 Groundwater Analytical Results

The April 2013 groundwater sampling event was the eighth comprehensive sampling event conducted at the Site following the installation of the DPE system in May 2004. VOCs detected in groundwater during the April 2013 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 2013**

VOCs Detected in Groundwater	Concentration Range (µg/L)	Number of Detections	RAO/NYCRR Exceedances
Vinyl chloride	1.1 – 7,300	13	10
cis-1,2-Dichloroethene	1.3 – 82,000	11	10
1,1-Dichloroethane	13 – 1,500	10	10
Chloroethane	3.9 – 1,900	9	7
Trichloroethene	0.99 – 230,000	8	7
1,2-Dichloroethane	0.61 – 1.3	6	4
Methylene Chloride	0.57 – 3,100	6	3
1,1-Dichloroethene	2 – 210	4	4
trans-1,2-Dichloroethene	17 – 110	3	3
Benzene	0.74 – 1.3	3	2
Toluene	4 – 140	2	1
Acetone	3.1 – 1,400	2	1
Xylenes, total	19	1	1
2-Butanone	240	1	1
1,1,1-Trichloroethane	1.4	1	0
1,1,2-Trichloroethane	.23	1	0
Tetrachloroethene	0.42	1	0

A total of 17 VOCs were detected in groundwater during the April 2013 sampling event. Fourteen of the 17 VOCs detected exceeded either the Site-specific RAOs or the NYCRR criteria for groundwater. **Figures 8 through 16** illustrate April 2013 isoconcentration contours for trichloroethene (TCE), toluene, 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, xylenes, and total VOCs respectively. These specific compounds are listed as the Site-specific compounds that have RAOs.

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 2013 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 2013 sampling event is provided in **Appendix D** on a compact disc (CD).

3.4 Comparison of April 2013 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 2013 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 2013**

Well ID	TCE Concentrations (µg/L)										Percent TCE Increase/ (Decrease) from April 2012
	Nov 2003	April 2004	April 2005	July 2006	Oct 2007	Jan 2009	April 2010	April 2011	April 2012	April 2013	
MW-2	NS	NS	<10	< 25	< 5	< 5	<25	<1	<1	<1	NA
MW-3	NS	NS	<10	< 25	5 J	< 5	<5	<1	<1	<1	NA
MW-4	270	NS	NS	2,400	4,800	19,000	3,000	13,000	39,000	12,000	(69%)
MW-6	< 10	NS	< 10	< 5	0.63 J	< 5	<5	<1	<1	<1	NA
MW-8R	NS	NS	15,000	16,000	2,200	8,400	2,500 J	8,900	99,000	64,000	(35%)
MW-9	6	NS	< 10	1.3	2.6 J	< 5	<5	<1	<1	<1	NA
MW-10	NS	NS	<10	< 5	< 5	< 5	<5	<1	<1	<1	NA
MW-11	NS	NS	<10	< 20	0.71	0.77 J	0.95 J	1.2	0.51	<1	(NA)
MW-12	NS	NS	< 10	< 25	< 5	NS	<5	<1	<1	<1	NA
MW-13S	NS	10,000	760	17,000	570	3,400	1,400	40,000	39,000	40,000	2.6%
MW-13D	NS	17	8	2 J	< 5	< 5	< 5	22	62	53	(15%)
MW-14S	NS	21	< 10	5.7 J	< 5	0.38 J	< 5	< 1	1.3	<1	(NA)
MW-14D	NS	21	10	0.96 J	< 5	< 5	9.4	0.97	0.64J	0.99	55%
MW-15S	NS	280	400	400	400	180	270	200	240	140	(42%)
MW-15D	NS	21	< 50	4.9 J	3.6 J	< 25	<5	<8	<10	<8	NA
MW-16S	NS	860,000	400,000	310,000	130,000	92,000	220,000	250,000	250,000	230,000	(8%)
MW-16D	NS	6,900	32	6.1	6 J	52	12	22	42	57	36%
Notes: J – Estimated concentration. NS – Not sampled NA – Not available											

TCE concentrations decreased or remained constant in all but three wells (MW-13S, MW-14D, and MW-16D) since the last comprehensive groundwater sampling event conducted at the Site in April 2012. The percent reduction in TCE concentrations ranged from 8% in MW-16S to 69% in MW-4. Groundwater collected from perimeter monitoring wells MW-2, MW-3, MW-6, MW-9, MW-10, MW-11, and MW-12, contained no detections of TCE at or above the reporting detection limit. Based on these results, the combined DPE and GWCT treatment system continues to successfully prevent migration of TCE off-site.

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 2012 through April 2013.

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 2012, October 2012, and January 2013) 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 1, 2013. 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 four VOCs were detected in the LRP unit effluent, and a total of five VOCs were detected in the AS unit effluent. The total VOC discharge in the LRP effluent was 196,000 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) and 2,514 $\mu\text{g}/\text{m}^3$ in the AS unit effluent. Based on these effluent totals, the calculated VOC discharge-loading rate for the combined DPE remediation system was 0.042 lb/hr, which is well below the NYSDEC discharge guidance value of 0.5 lb/hr. In comparison, during the last quarterly sampling event in January 2013 (AECOM, February 2013) and during the last comprehensive sampling event in April 2012 (AECOM, May 2012), the calculated VOC discharge-loading rates were 0.020 lb/hr and 0.025 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 2012, October 2012, January 2013, and April 2013. 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 exceedence of any BSA permit discharge limit 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 0.288 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 131.27 pounds of VOCs were removed via the DPE system as vapor and approximately 2.5 pounds of VOCs were removed via the AS system as vapor. Therefore, a total of 133.8 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 2,720 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 133.8 pounds of VOCs were removed by the combined DPE remediation system during the reporting period from April 3, 2012 through April 3, 2013. A cumulative total of 2,720 pounds of VOCs has been removed since system startup on May 14, 2004.
2. The combined DPE remediation system experienced higher runtime during April 2012 – April 2013 (approximately 47%) when compared to the runtime for April 2011 – April 2012 (approximately 15%). The increased performance was related to the chemical oxidation pilot test and issues with the LRP between April 2011 and April 2012.
3. During the reporting period, the DPE remediation system collected approximately 2,475 gallons of groundwater at an average flow rate of 0.02 gpm. The GWCT collected approximately 109,980 gallons of groundwater at an average flow rate of 1.06 gpm. The total combined system groundwater treated and discharged to the sanitary sewer by the AS unit was approximately 112,455 gallons at a combined average flow rate of 1.09 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, 2013 ranged from 667.77 feet above mean sea level to 687.02 feet above 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 at 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 2013 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 is occurring naturally at the Site.
8. TCE concentrations decreased in five wells since the last comprehensive groundwater sampling event conducted at the Site in April 2012. The percent reduction in TCE concentrations in groundwater was 69%, 42%, 35%, 15% and 8% at MW-4, MW-15S, MW-8R, MW-13D, and MW-16S, 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 2014 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, with NYSDEC approval, 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, 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.

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 2013, October 2013, and January 2014). 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 2014 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 guidance 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 to the sanitary sewer will be collected 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 (ninth 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 2014 comprehensive groundwater sampling event.

6.0 Evaluate Remedy Performance, Effectiveness, and Protectiveness

6.1 Institutional Controls and Engineering Controls Certification

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

7.0 References

AECOM. February 2013. "First Quarter 2013 Groundwater Monitoring Report, January 2013 Sampling Event, Former Scott Aviation Facility, Lancaster, New York, NYSDEC Site Code No. 9-15-149".

AECOM. November 2012. "Fourth Quarter 2012 Groundwater Monitoring Report, October 2012 Sampling Event, Former Scott Aviation Facility, Lancaster, New York, NYSDEC Site Code No. 9-15-149".

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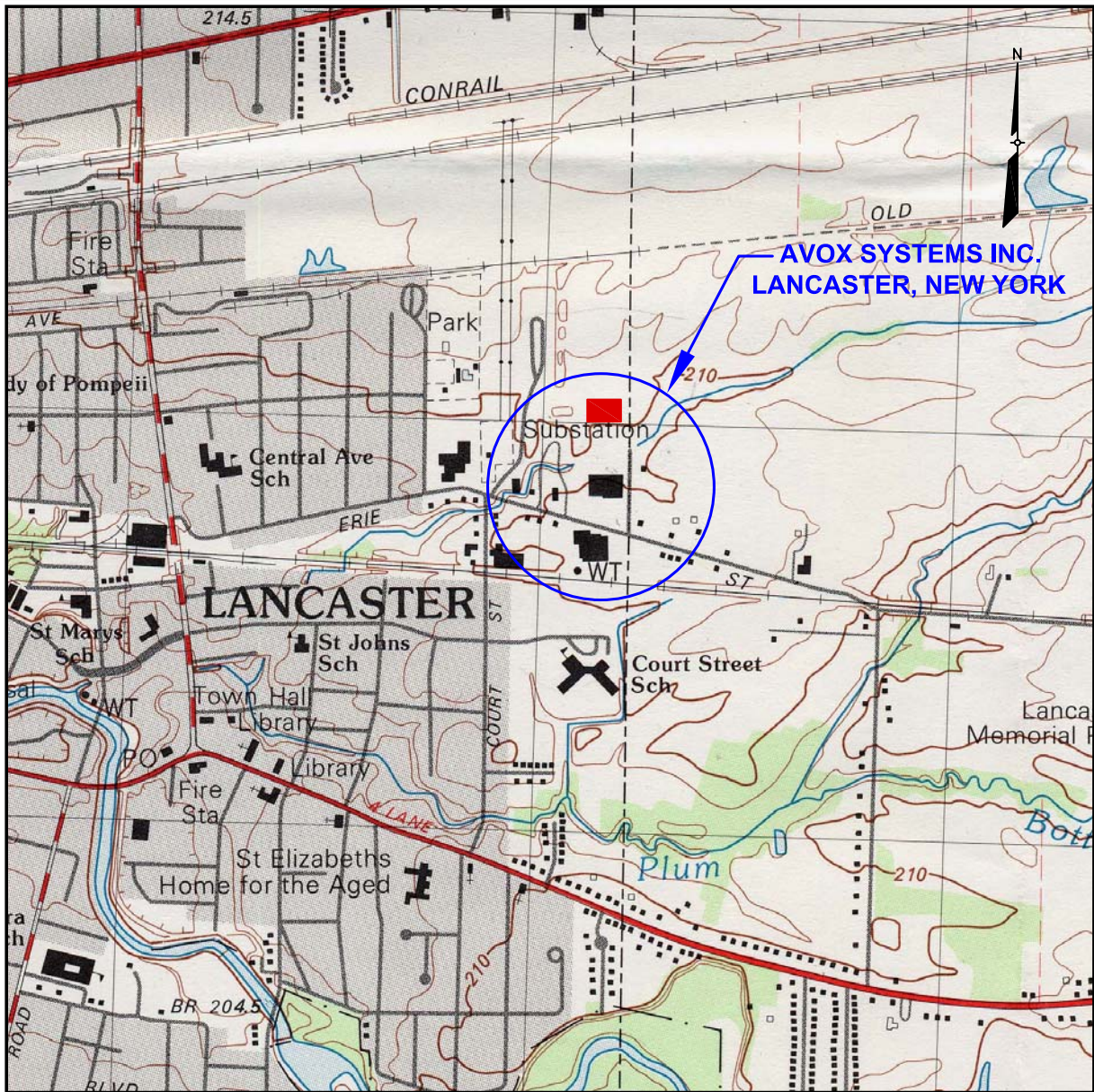
Earth Tech. June 2003. "Site Investigation Completion Report, Scott Aviation, Inc., Lancaster, New York".

NYSDEC. May 2010. "New York State Department of Environmental Conservation, Division of Environmental Remediation, DER-10 Technical Guidance for Site Investigation and Remediation".

NYSDEC, Division of Hazardous Waste Remediation. November 1994. "Record of Decision, Scott Aviation Site, Village of Lancaster, Erie 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

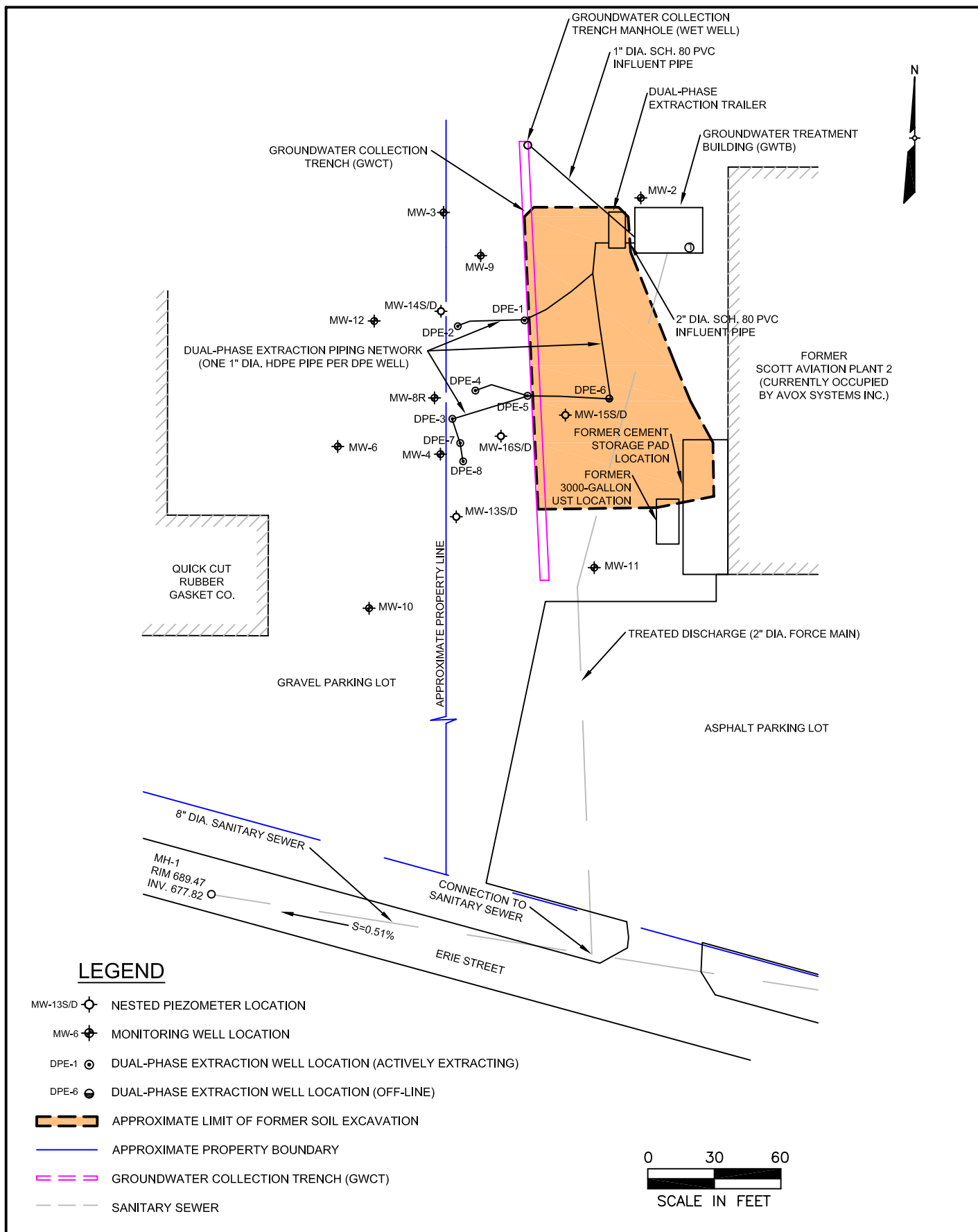


FIGURE 2
SITE FEATURES MAP

FORMER SCOTT AVIATION FACILITY
 LANCASTER, NEW YORK

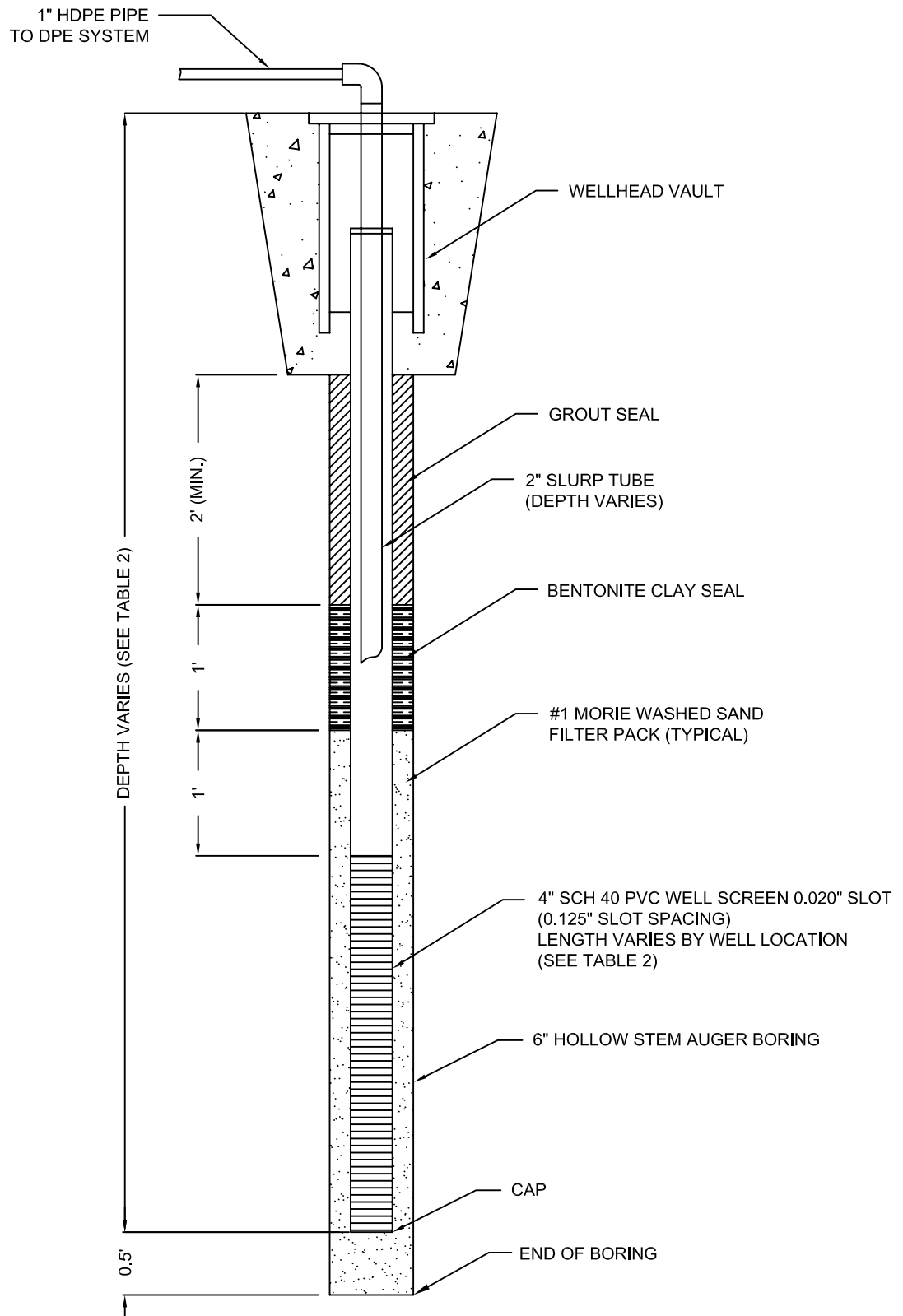


FIGURE 3
TYPICAL DUAL PHASE EXTRACTION RECOVERY
WELL CONSTRUCTION DIAGRAM

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

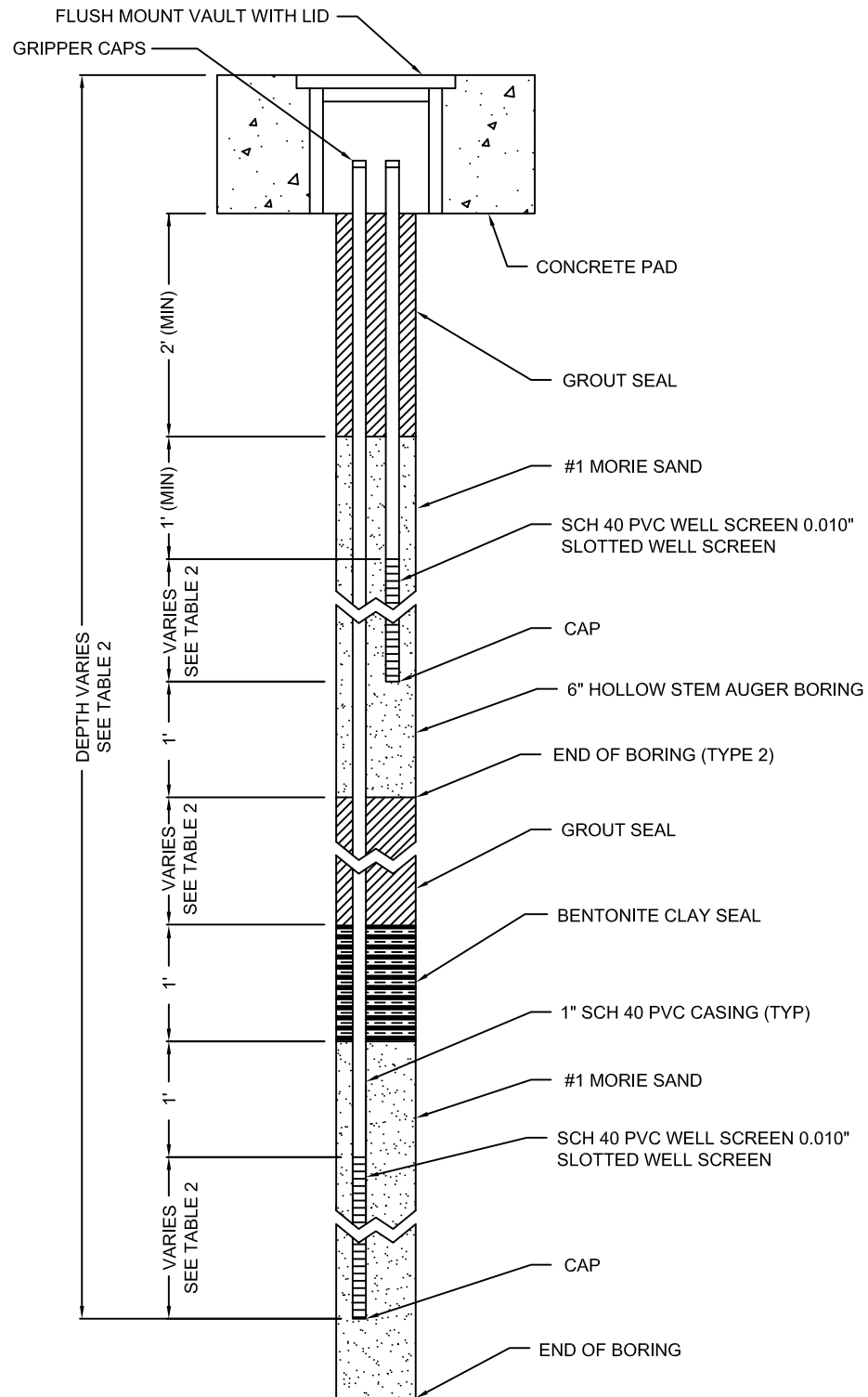


FIGURE 4
TYPICAL NESTED PIEZOMETER
CONSTRUCTION DIAGRAM

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

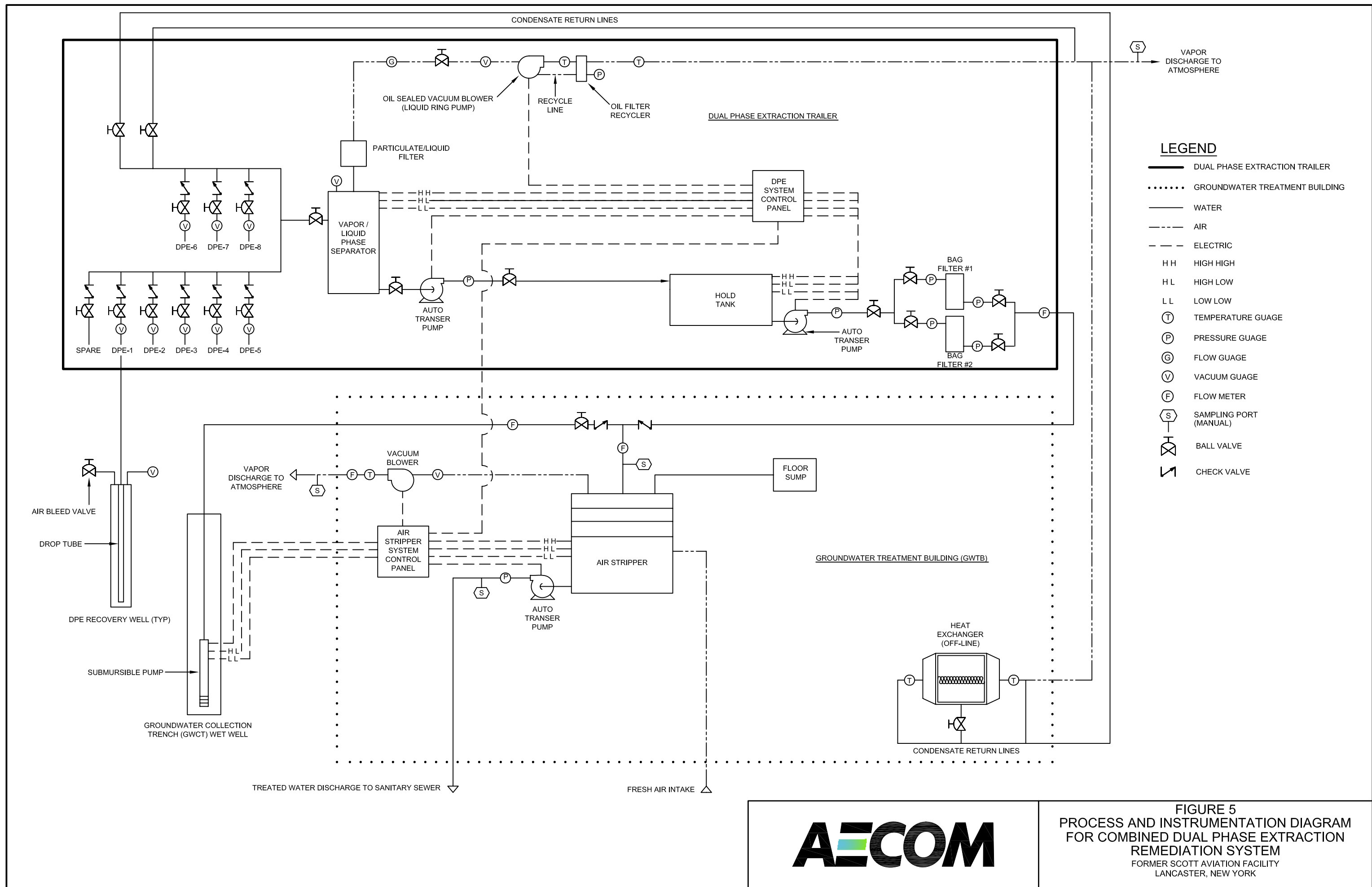
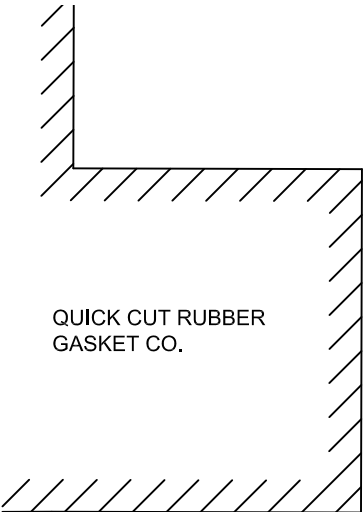


FIGURE 5
PROCESS AND INSTRUMENTATION DIAGRAM
FOR COMBINED DUAL PHASE EXTRACTION
REMEDATION SYSTEM
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

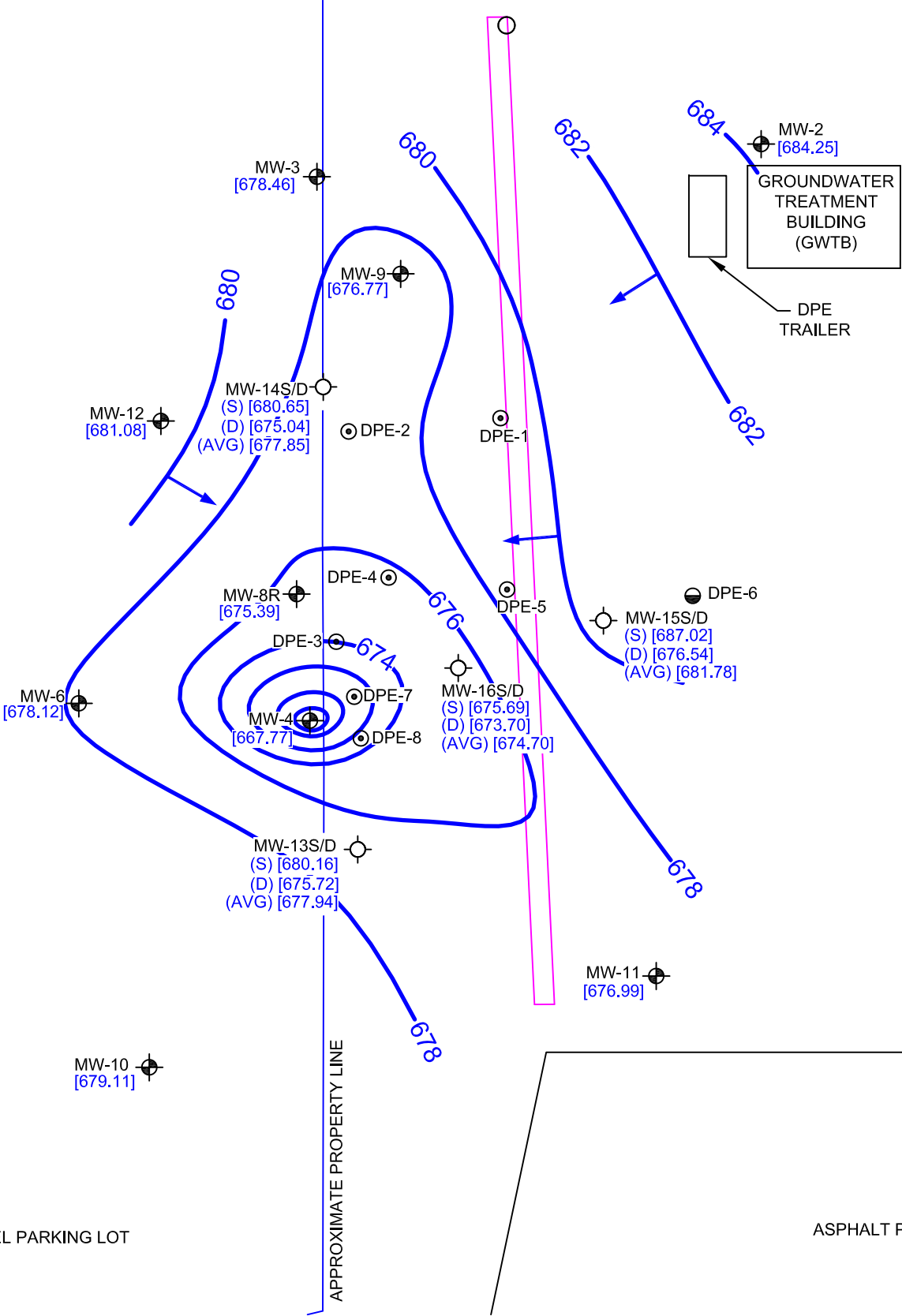
Quarterly Groundwater Monitoring Water Level Data - April 1, 2013
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

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	6.10	684.25
MW-3	687.02	8.56	678.46
MW-4	686.42	18.65	667.77
MW-6	686.53	8.41	678.12
MW-8R	686.21	10.82	675.39
MW-9	688.64	11.87	676.77
MW-10	687.41	8.30	679.11
MW-11	688.65	11.66	676.99
MW-12	686.15	5.07	681.08
Nested Piezometers			
MW-13S	686.60	6.44	680.16
MW-13D	686.73	11.01	675.72
MW-14S	685.70	5.05	680.65
MW-14D	685.82	10.78	675.04
MW-15S	687.52	0.50	687.02
MW-15D	687.62	11.08	676.54
MW-16S	685.84	10.15	675.69
MW-16D	686.01	12.31	673.70

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



GRAVEL PARKING LOT



FORMER
SCOTT
AVIATION
PLANT 2

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)
- [684.25] GROUNDWATER SURFACE ELEVATION IN FEET MSL
- 674 — ESTIMATED GROUNDWATER SURFACE CONTOUR IN FEET MSL
- GROUNDWATER FLOW DIRECTION
- (S) SHALLOW PIEZOMETER
- (D) DEEP PIEZOMETER
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY

NOTES

- 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.
- GROUNDWATER WATER LEVELS WERE COLLECTED ON APRIL 1, 2013.

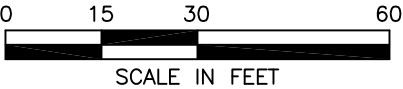
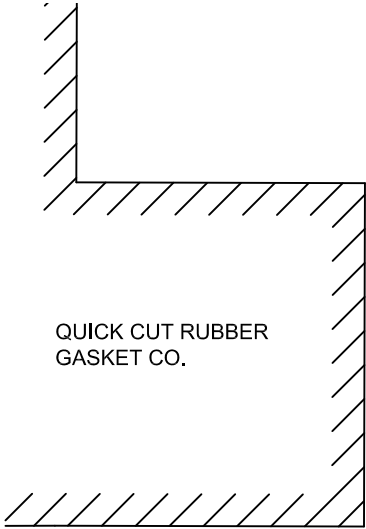


FIGURE 6
GROUNDWATER SURFACE CONTOUR MAP
APRIL 2013
AVERAGE OVERBURDEN GROUNDWATER ELEVATIONS
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

Quarterly Groundwater Monitoring Water Level Data - April 1, 2013
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

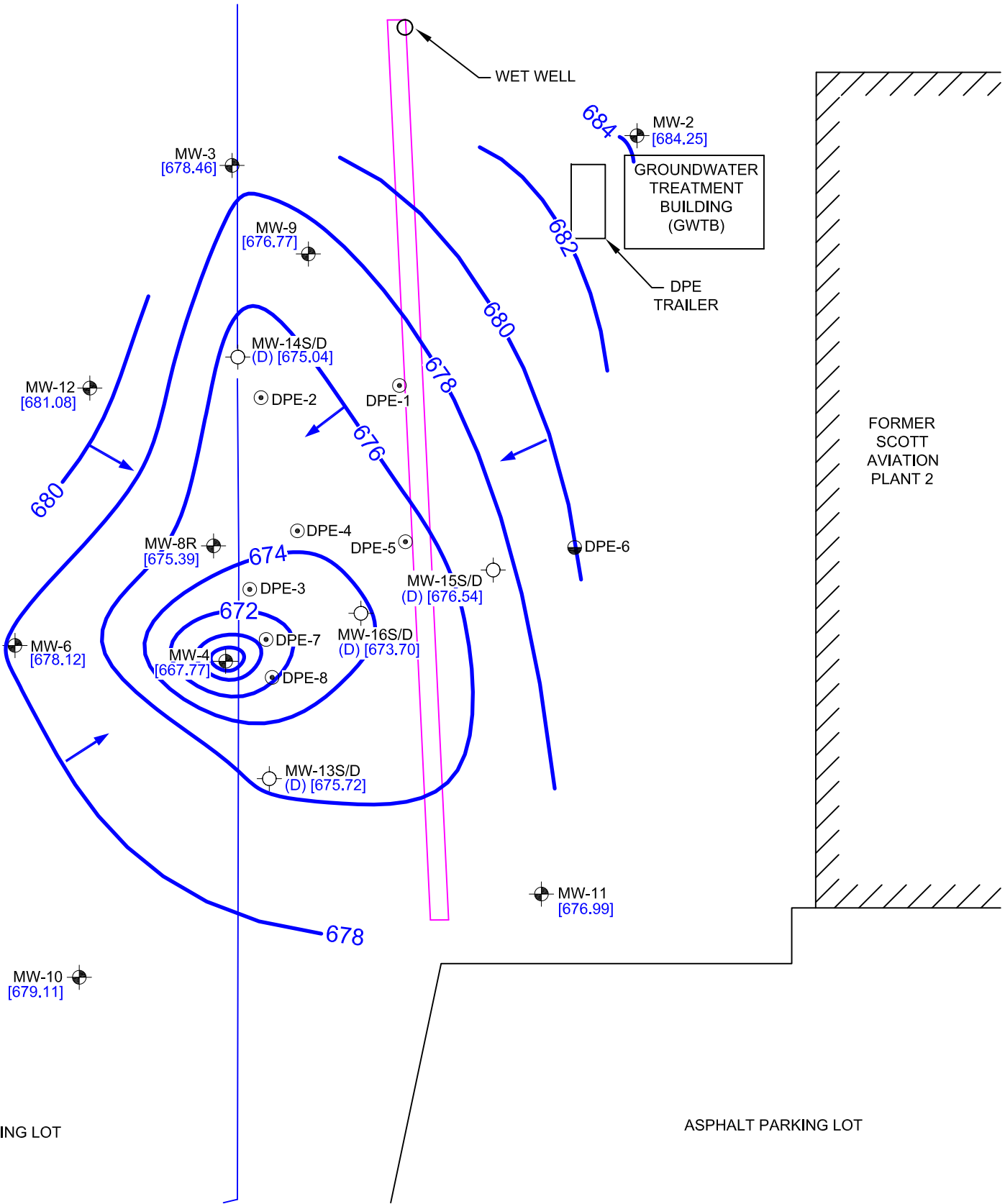
Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	690.35	6.10	684.25
MW-3	687.02	8.56	678.46
MW-4	686.42	18.65	667.77
MW-6	686.53	8.41	678.12
MW-8R	686.21	10.82	675.39
MW-9	688.64	11.87	676.77
MW-10	687.41	8.30	679.11
MW-11	688.65	11.66	676.99
MW-12	686.15	5.07	681.08
Nested Piezometers			
MW-13S	686.60	6.44	680.16
MW-13D	686.73	11.01	675.72
MW-14S	685.70	5.05	680.65
MW-14D	685.82	10.78	675.04
MW-15S	687.52	0.50	687.02
MW-15D	687.62	11.08	676.54
MW-16S	685.84	10.15	675.69
MW-16D	686.01	12.31	673.70

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)
- [681.08] GROUNDWATER SURFACE ELEVATION IN FEET MSL
- 674 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 1, 2013.

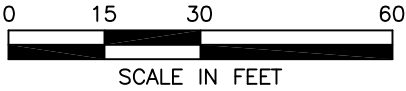


FIGURE 7
GROUNDWATER SURFACE CONTOUR MAP
APRIL 2013
DEEP OVERBURDEN GROUNDWATER ELEVATIONS
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

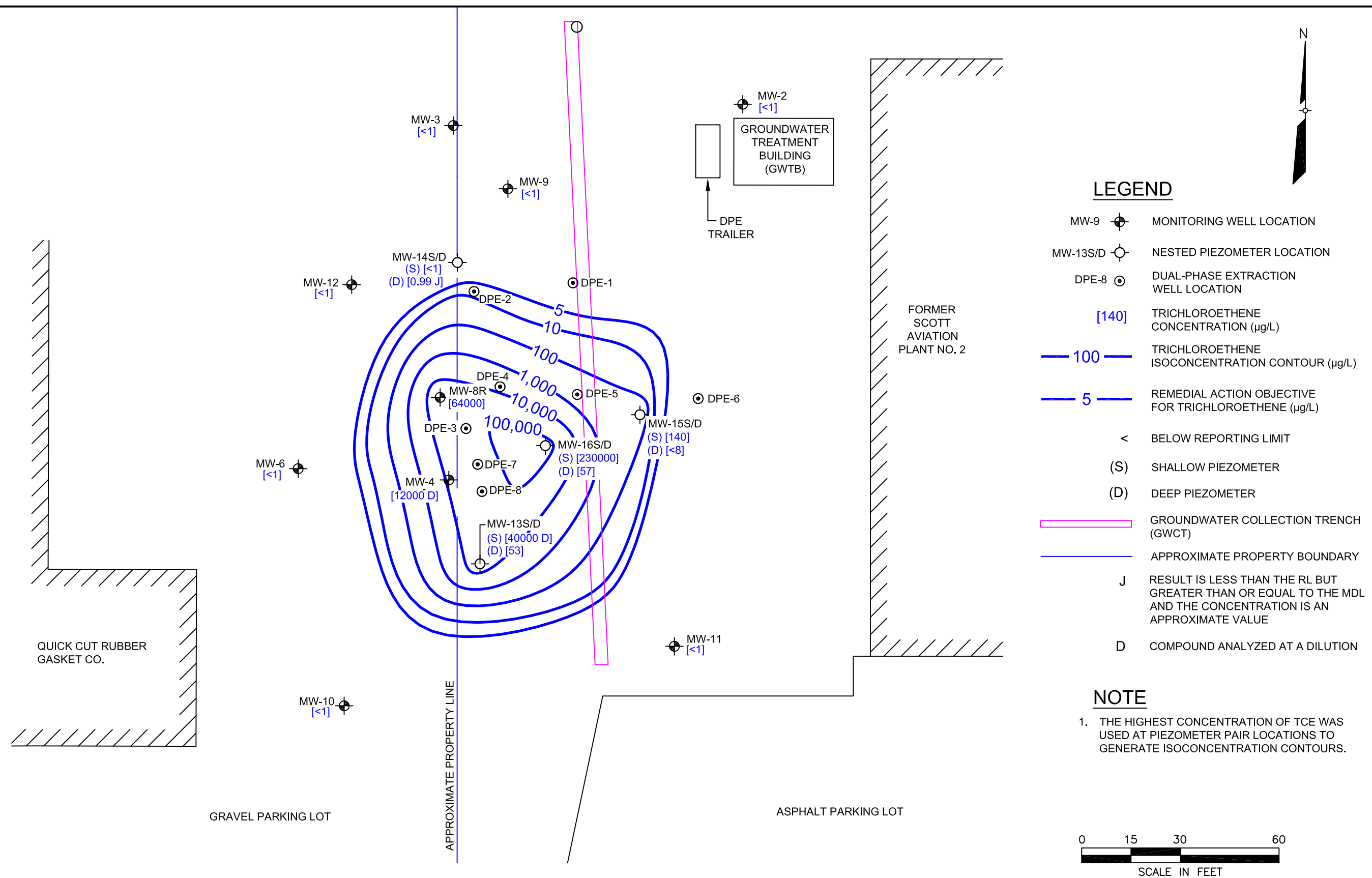


FIGURE 8
TRICHLOROETHENE ISOCONCENTRATION
CONTOUR MAP
APRIL 2013
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

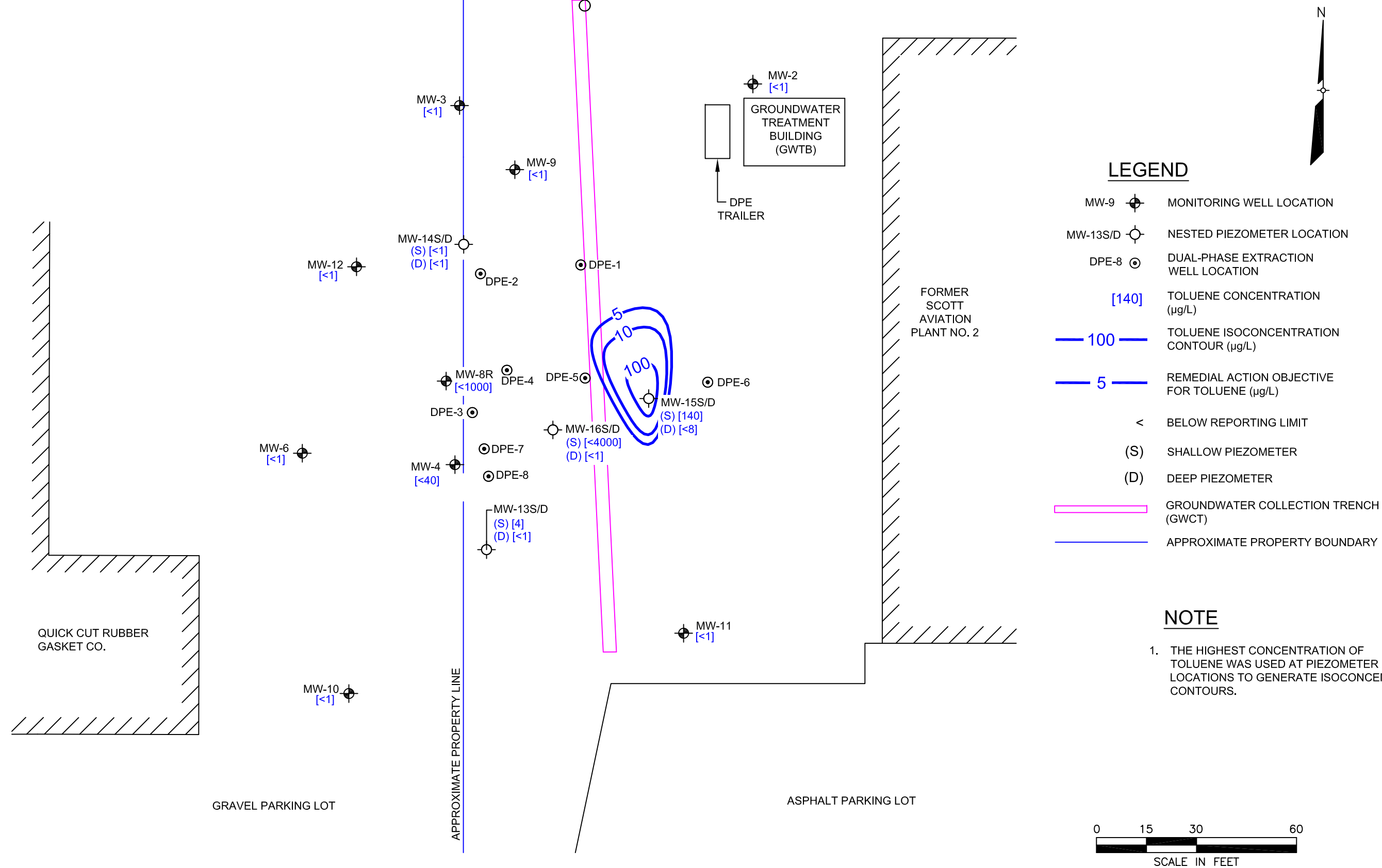


FIGURE 9
TOLUENE ISOCONCENTRATION
CONTOUR MAP
APRIL 2013
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

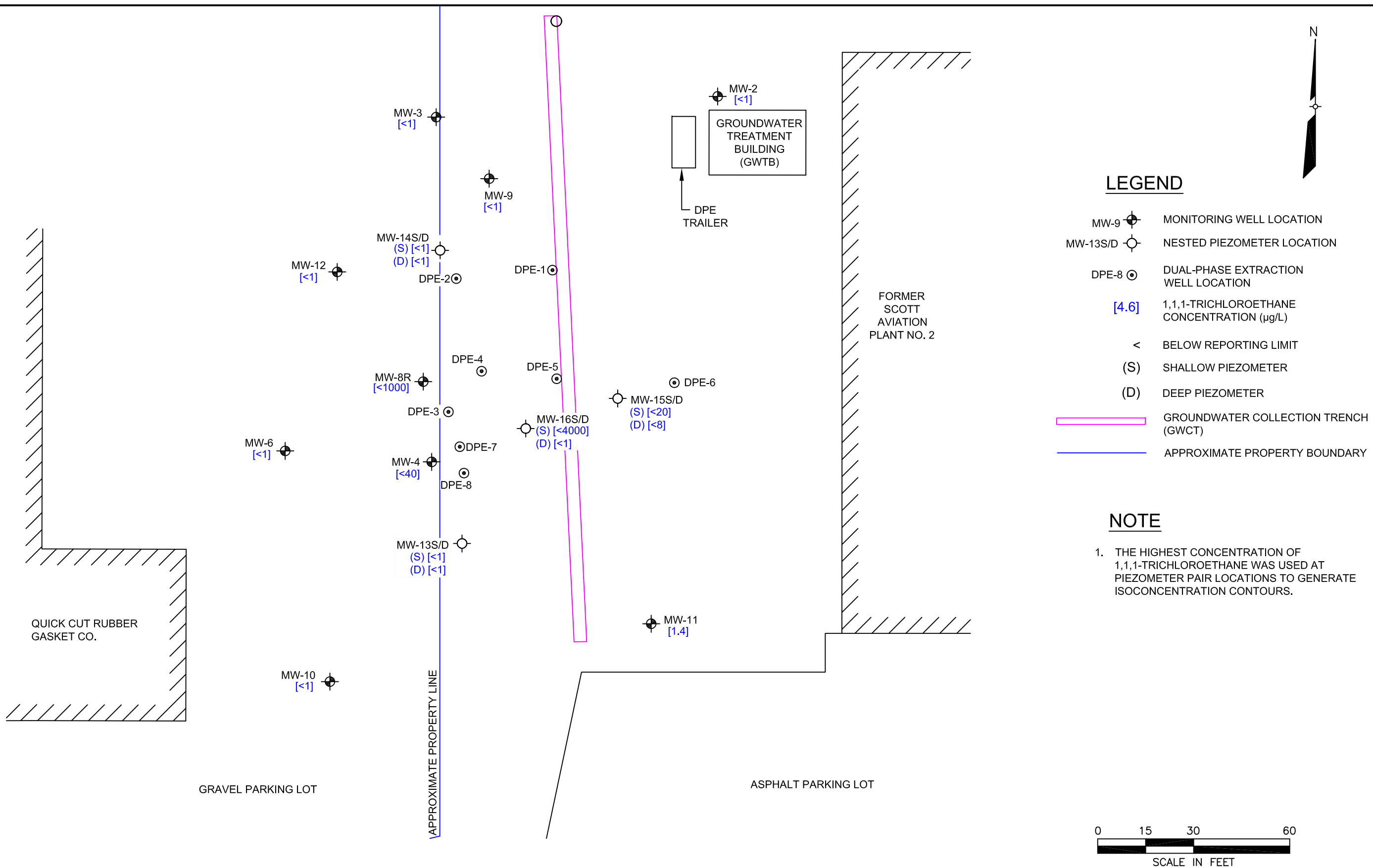


FIGURE 11
1,1,1-TRICHLOROETHANE ISOCONCENTRATION
CONTOUR MAP
APRIL 2013
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

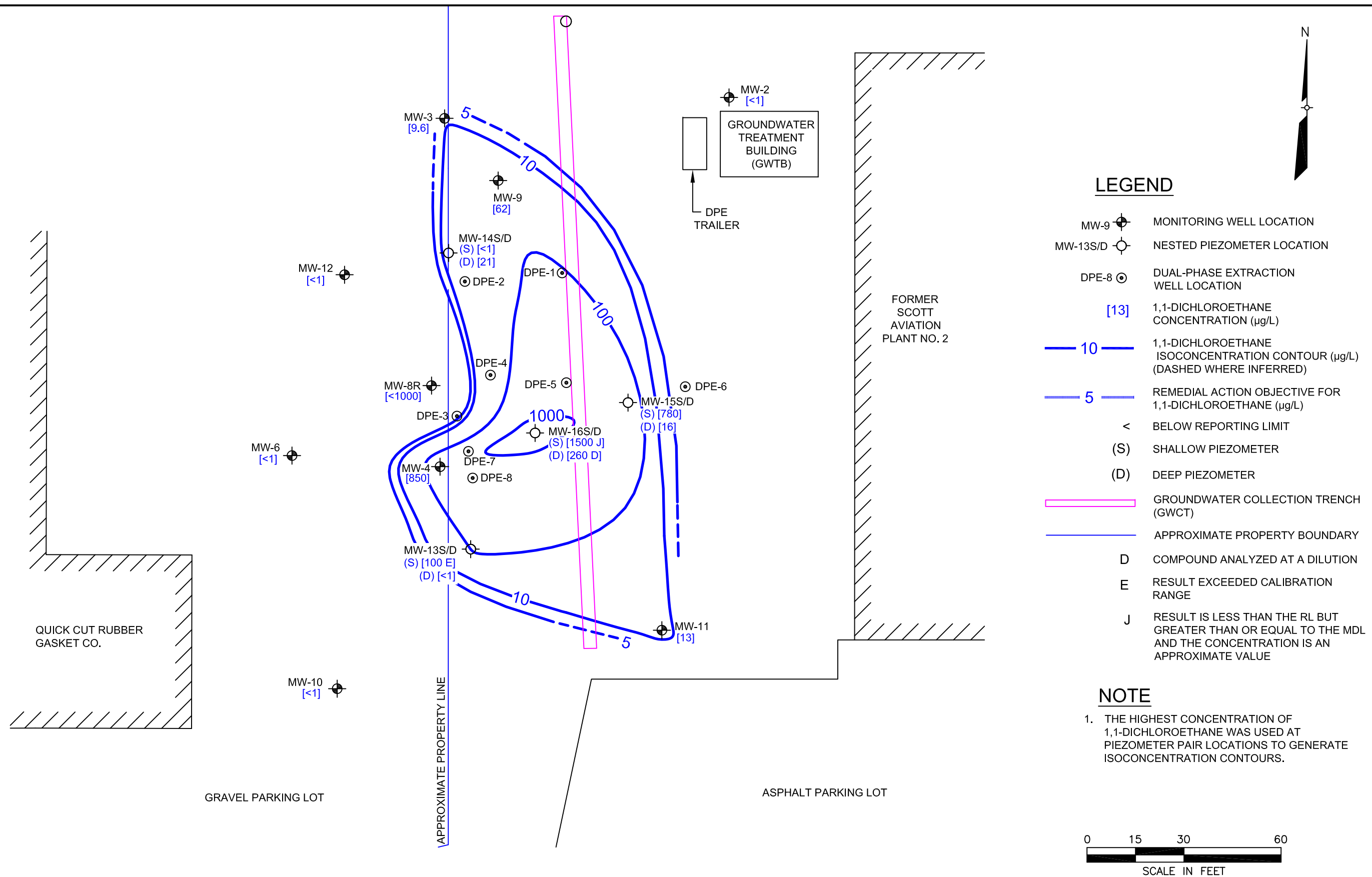
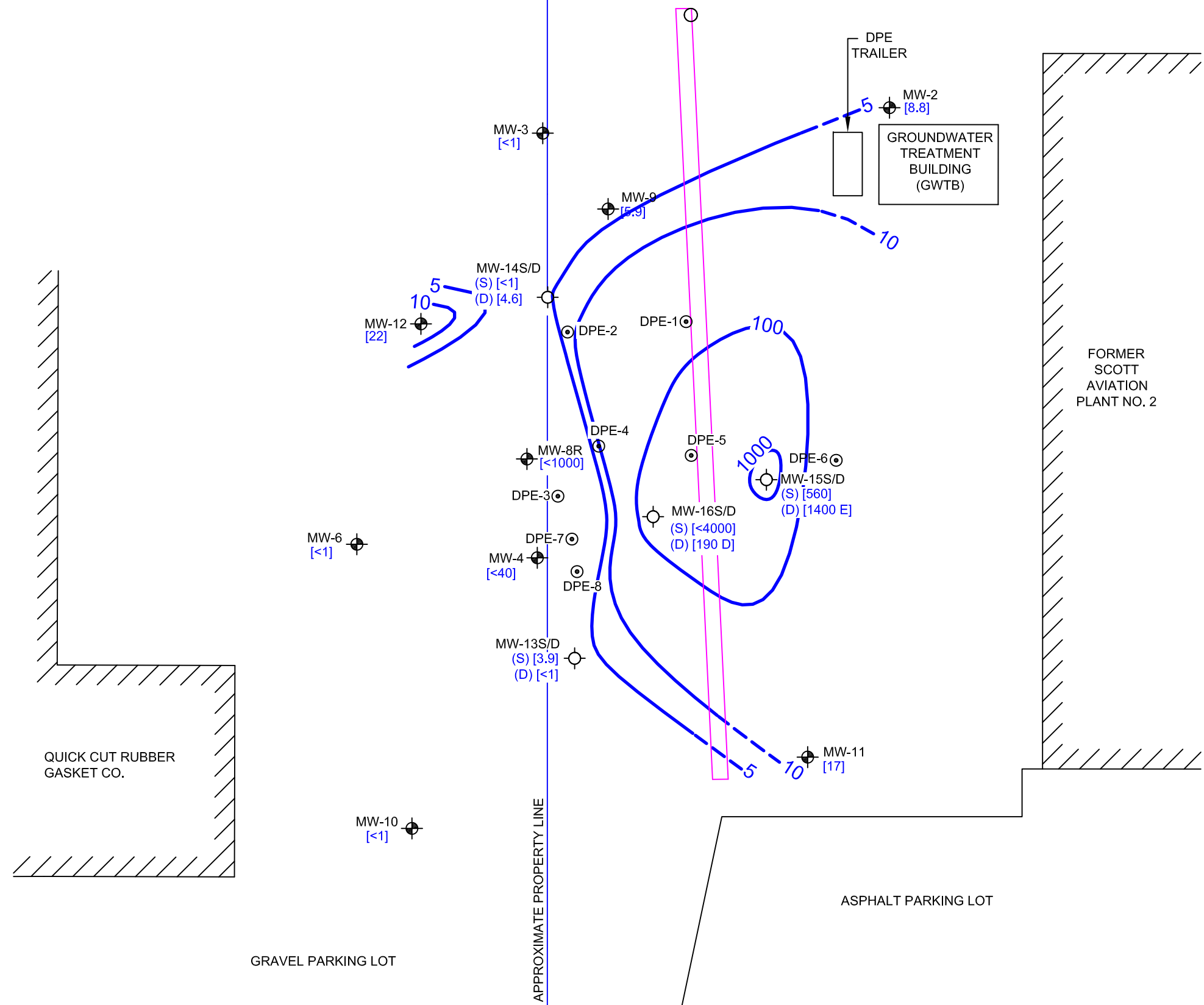


FIGURE 12
1,1-DICHLOROETHANE ISOCONCENTRATION
CONTOUR MAP
APRIL 2013
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

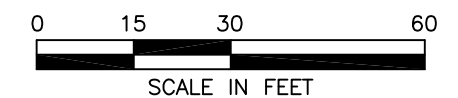


LEGEND

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

NOTE

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



AECOM

FIGURE 13
CHLOROETHANE ISOCONCENTRATION
CONTOUR MAP
APRIL 2013
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

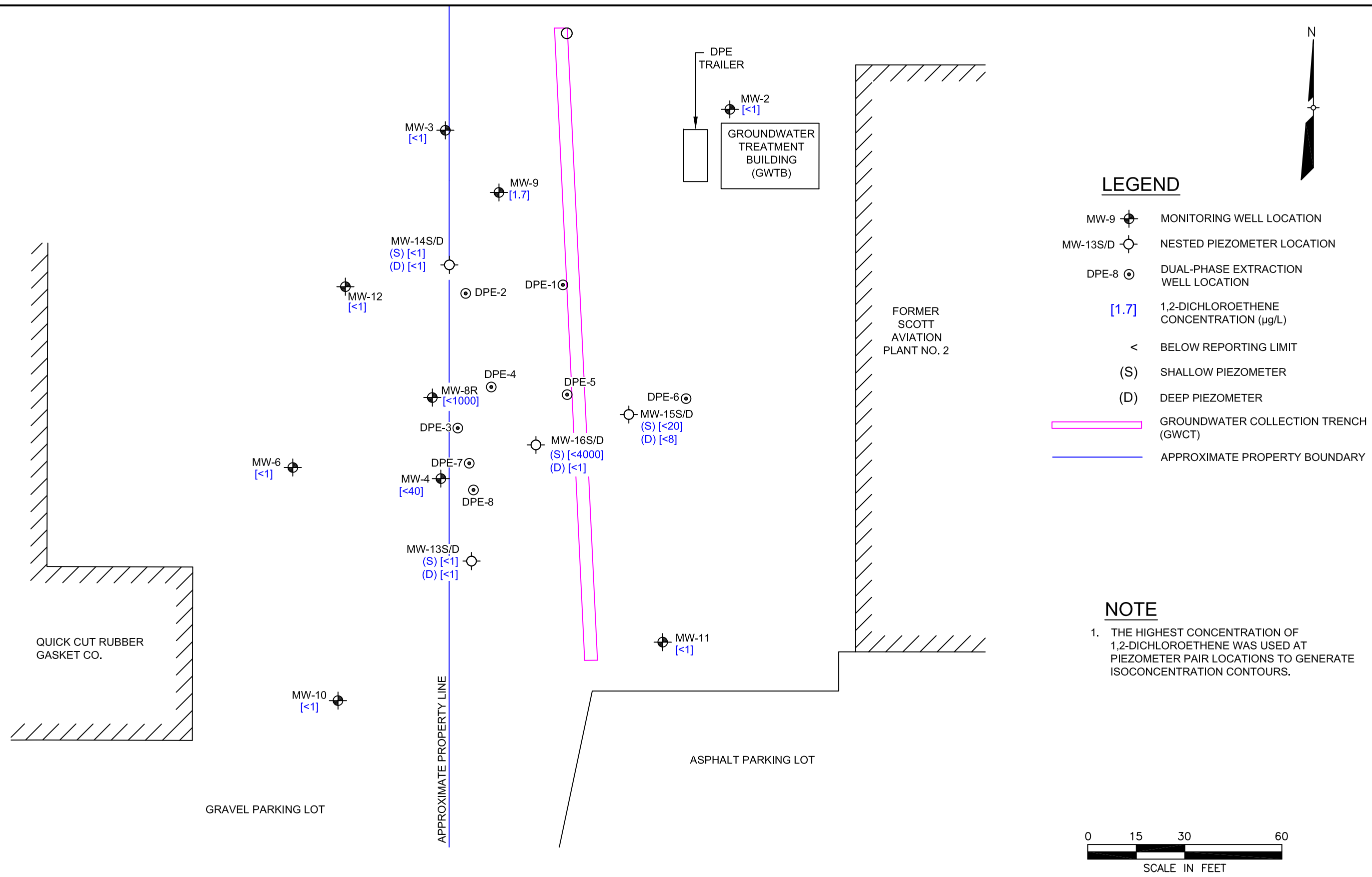
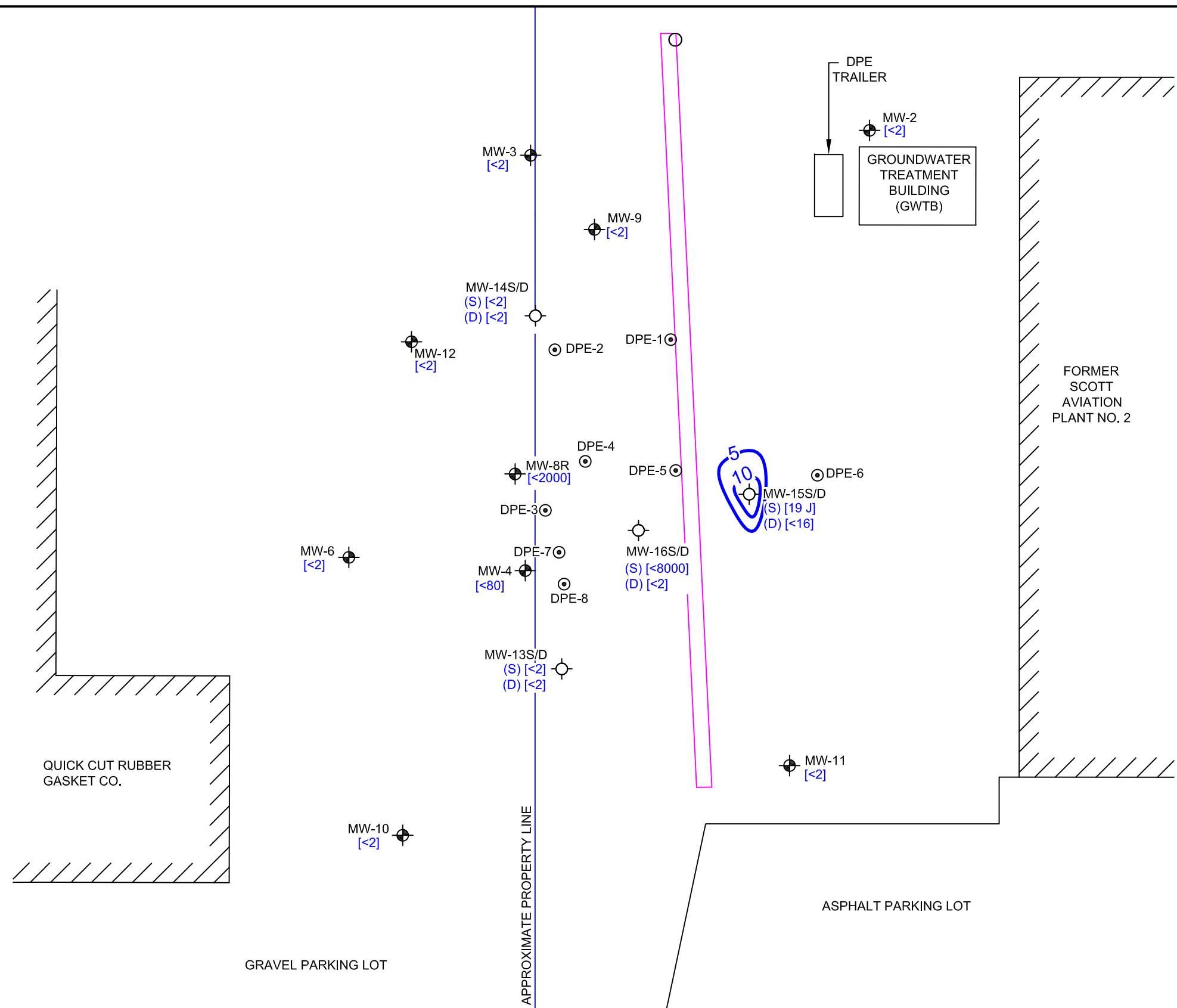


FIGURE 14
1,2-DICHLOROETHENE ISOCONCENTRATION
CONTOUR MAP
APRIL 2013
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



LEGEND

- MW-9 MONITORING WELL LOCATION
- MW-13S/D NESTED PIEZOMETER LOCATION
- DPE-8 DUAL-PHASE EXTRACTION WELL LOCATION
- [19] XYLENES CONCENTRATION (µg/L)
- 10 XYLENES ISOCONCENTRATION CONTOUR (µg/L)
- 5 REMEDIAL ACTION OBJECTIVE FOR XYLENES (µg/L)
- < 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

NOTE

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

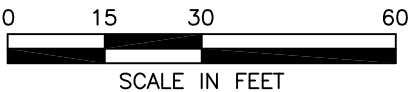


FIGURE 15
XYLENES ISOCONCENTRATION
CONTOUR MAP
APRIL 2013
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

Tables

Table 1

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

VOCs	Remedial Action Objectives*	
	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

* Based on values presented in site-specific ROD (November 1994).

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 2012 through April 2013
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 2012	8	MW-2 MW-10	MW-3 MW-11	MW-4 MW-12	MW-6 MW-16S
October 2012	8	MW-2 MW-8R	MW-3 MW-10	MW-4 MW-11	MW-6 MW-12
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

Table 4

**Quarterly Groundwater Monitoring Water Level Data - April 1, 2013
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	6.10	684.25
MW-3	687.02	8.56	678.46
MW-4	686.42	18.65	667.77
MW-6	686.53	8.41	678.12
MW-8R	686.21	10.82	675.39
MW-9	688.64	11.87	676.77
MW-10	687.41	8.30	679.11
MW-11	688.65	11.66	676.99
MW-12	686.15	5.07	681.08
Nested Piezometers			
MW-13S	686.60	6.44	680.16
MW-13D	686.73	11.01	675.72
MW-14S	685.70	5.05	680.65
MW-14D	685.82	10.78	675.04
MW-15S	687.52	0.50	687.02
MW-15D	687.62	11.08	676.54
MW-16S	685.84	10.15	675.69
MW-16D	686.01	12.31	673.70

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	MW-2	MW-3	MW-4	MW-6	MW-8R	MW-9	MW-10	MW-11	MW-12
Date Collected	RAO/ NYCRR	04/01/13	04/01/13	04/02/13	04/01/13	04/02/13	04/02/13	04/01/13	04/02/13	04/01/13
Lab Sample ID	Objectives	480-35528-1	480-35528-2	480-35528-3	480-35528-4	480-35528-5	480-35528-6	480-35528-7	480-35528-8	480-35528-9
Volatile Organic Compounds by Method 8260 (µg/L)										
1,1,1-Trichloroethane*	5*	< 1 U	< 1 U	< 40 U	< 1 U	< 1,000 U	< 1 U	< 1 U	1.4	< 1 U
1,1,2-Trichloroethane	1	< 1 U	< 1 U	< 40 U	< 1 U	< 1,000 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane*	5*	< 1 U	9.6	850	< 1 U	< 1,000 U	62	< 1 U	13	< 1 U
1,1-Dichloroethene	5	< 1 U	< 1 U	160	< 1 U	< 1,000 U	< 1 U	< 1 U	2	< 1 U
1,2-Dichloroethane	0.6	< 1 U	< 1 U	< 40 U	< 1 U	< 1,000 U	1.1	< 1 U	< 1 U	< 1 U
2-Butanone (MEK)	50	< 10 U	< 10 U	< 400 U	< 10 U	< 10,000 U	< 10 U	< 10 U	< 10 U	< 10 U
Acetone	50	< 10 U	< 10 U	< 400 U	< 10 U	< 10,000 U	< 10 U	< 10 U	< 10 U	< 10 U
Benzene	1	< 1 U	< 1 U	< 40 U	< 1 U	< 1,000 U	< 1 U	< 1 U	< 1 U	1.1
Chloroethane*	5*	8.8	< 1 U	< 40 U	< 1 U	< 1,000 U	5.9	< 1 U	17	22
cis-1,2-Dichloroethene	5	< 1 U	1.3	57,000 D	< 1 U	37,000	16	< 1 U	55	< 1 U
Methylene Chloride	5	< 1 U	< 1 U	19 J	< 1 U	< 1,000 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	< 1 U	< 1 U	< 40 U	< 1 U	< 1,000 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene*	5*	< 1 U	< 1 U	< 40 U	< 1 U	< 1,000 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	5	< 1 U	< 1 U	110	< 1 U	< 1,000 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene*	5*	< 1 U	< 1 U	12,000 D	< 1 U	64,000	< 1 U	< 1 U	< 1 U	< 1 U
Xylenes, Total	5	< 2 U	< 2 U	< 80 U	< 2 U	< 2,000 U	< 2 U	< 2 U	< 2 U	< 2 U
Vinyl chloride*	5*	< 1 U	4	480	< 1 U	1,900	17	< 1 U	24	1.1

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	04/02/13	04/02/13	04/02/13	04/02/13	04/03/13	04/02/13	04/03/13	04/03/13
Lab Sample ID	Objectives	480-35528-11	480-35528-10	480-35528-13	480-35528-12	480-35528-15	480-35528-14	480-35528-17	480-35528-16
Volatile Organic Compounds by Method 8260 (µg/L)									
1,1,1-Trichloroethane*	5*	< 1 U	< 1 U	< 1 U	< 1 U	< 8 U	< 20 U	< 1 U	< 4,000 U
1,1,2-Trichloroethane	1	< 1 U	< 1 U	< 1 U	< 1 U	< 8 U	< 20 U	0.23 J	< 4,000 U
1,1-Dichloroethane*	5*	< 1 U	100 E	21	< 1 U	16	780	260 D	1,500 J
1,1-Dichloroethene	5	< 1 U	210 E	< 1 U	< 1 U	< 8 U	19 J	9.4	< 4,000 U
1,2-Dichloroethane	0.6	< 1 U	0.61 J	0.83 J	< 1 U	< 8 U	< 20 U	1.3	< 4,000 U
2-Butanone (MEK)	50	< 10 U	< 10 U	< 10 U	< 10 U	< 80 U	240	< 10 U	< 40,000 U
Acetone	50	< 10 U	< 10 U	< 10 U	3.1 J	< 80 U	1,400	< 10 U	< 40,000 U
Benzene	1	< 1 U	0.74 J	1.3	< 1 U	< 8 U	< 20 U	< 1 U	< 4,000 U
Chloroethane*	5*	< 1 U	3.9	4.6	< 1 U	1,900	560	190 D	< 4,000 U
cis-1,2-Dichloroethene	5	44	22,000 D	28	< 1 U	< 8 U	1,100	2,900 D	82,000
Methylene Chloride	5	< 1 U	0.57 J	< 1 U	< 1 U	4.1 J	12 J	0.56 J	3,100 J
Tetrachloroethene	5	< 1 U	0.42 J	< 1 U	< 1 U	< 8 U	< 20 U	< 1 U	< 4,000 U
Toluene*	5*	< 1 U	4	< 1 U	< 1 U	< 8 U	140	< 1 U	< 4,000 U
trans-1,2-Dichloroethene	5	< 1 U	53	< 1 U	< 1 U	< 8 U	< 20 U	17	< 4,000 U
Trichloroethene*	5*	53	40,000 D	0.99 J	< 1 U	< 8 U	140	57	230,000
Xylenes, Total	5	< 2 U	< 2 U	< 2 U	< 2 U	< 16 U	19 J	< 2 U	< 8,000 U
Vinyl chloride*	5*	2.9 U	140 E	19	< 1 U	240	420	1,100 D	7,300

Notes:

Bold font indicates the analyte was detected.

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

* Site-specific RAOs per ROD (November 1994)

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 2013
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID: Sample Date:	LRP Effluent 4/1/2013	AS Effluent 4/1/2013
<u>VOCs by Method TO-15 ($\mu\text{g}/\text{m}^3$)</u>		
Vinyl Chloride	3,600	11
1,1-Dichloroethane	2,400	42
Chloroethane	960 U	61
cis-1,2-Dichloroethene	70,000	1,400
Trichloroethene	120,000	1,000
Total Detected VOCs ($\mu\text{g}/\text{m}^3$)	196,000	2,514
Vacuum (inches Hg)*	22	0.44
Air Flow Rate (acfm)*	54	209
VOC discharge loading (lb/hr)	0.0399	0.0020
Total VOC discharge loading (lb/hr)	0.042	

Notes:

* The LRP flow rate used for the calculation was recorded during the sampling activity (44 scfm, 22 in. Hg) on April 1, 2013.

* The air stripper vacuum measured on April 1, 2013 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 2012	Influent Fourth Quarter 2012	Influent First Quarter 2013	Influent Second Quarter 2013
<u>VOCs (Method 8260) (µg/L)</u>				
Acetone	ND	5.5 J	22	12 J
Chloroethane	ND	1.3	ND	ND
1,1-Dichloroethane	1.8 J	2.9	6.8	4.3 J
cis-1,2-Dichloroethene	91	140	290	160
1,1,1-Trichloroethane	ND	ND	1.7 J	ND
Trichloroethene	79	62	170	130
Vinyl Chloride	ND	0.91 J	5.6	ND
Total VOCs (µg/L)	171.8	212.6	496.1	306.3
Air Stripper Totalizer Readings (gallons)	210,803 (4/2/12) 303,556 (7/6/12)	303,556 (7/6/12) 389,683 (10/11/12)	389,683 (10/11/12) 515,864 (1/21/13)	515,864 (1/21/13) 628,319 (4/3/13)
Gallons Processed	92,753	86,127	126,181	112,455
VOCs Removed (pounds)	0.133	0.153	0.523	0.288
Total VOCs Removed (pounds)	1.097			

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. New AS totalizer installed on March 1, 2013 (end reading of old totalizer is 515,864 gallons).

Qualifiers:

J - Indicates compounds detected as estimated.

U - Indicates compounds not detected above the quantitation limit.

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 Effluent 7/6/2012	AS Effluent 7/6/2012	LRP Effluent 10/11/2012	AS Effluent 10/11/2012	LRP Effluent 1/21/2013	AS Effluent 1/21/2013	LRP Effluent 4/1/2013	AS Effluent 4/1/2013
<u>VOCs by Method TO-15 (µg/m3)</u>								
Vinyl Chloride	1,500	U	1,400	0.68	1,800	70	3,600	11
1,1-Dichloroethane	860	U	980	1.6	1,000	10	2,400	42
Chloroethane	U	3.4	U	U	U	34	U	61
Dichlorofluoromethane	U	2.7	U	2.7	U	3.0	U	U
Chloromethane	U	1.4	U	1.3	U	1.3	U	U
Trichlorofluoromethane	U	1.3	U	1.4	U	1.3	U	U
Acetone	U	13	U	U	U	13	U	U
Carbon Disulfate	U	U	U	U	U	2.9	U	U
Methyl Ethyl Ketone	U	3.5	U	U	U	1.8	U	U
1,3-Dichlorobenzene	U	15	U	U	U	U	U	U
Benzene	U	0.93	U	U	U	1	U	U
n-Hexane	U	1.4	U	0.98	U	1.3	U	U
n-Heptane	U	U	U	U	U	0.97	U	U
Xylene (total)	U	2.8	U	1	U	2.6	U	U
Toluene	U	5.5	U	1.5	130	4.9	U	U
1,1-Dichloroethene	290	U	290	U	240	0.82	U	U
1,1,1-Trichloroethane	850	U	710	U	620	U	U	U
cis-1,2-Dichloroethene	34,000	6.5	26,000	60	39,000	210	70,000	1,400
Trichloroethene	58,000	8.4	36,000	33	57,000	90	120,000	1,000
Trans-1,2-Dichloroethene	U	U	U	U	100	1.3	U	U
Total Detected VOCs (µg/m3)	95,500	66	65,380	104	99,890	450	196,000	2,514
Air Flow Rate (acfm)	47	309	55	193	53	185	54	209
VOC discharge loading (lb/hr)	0.0168	0.0001	0.0135	0.0001	0.0198	0.0003	0.0396	0.0020
LRP Runtime from O&M logs (hours)	2,206	2,206	1,712	1,712	1,971	1,971	808	808
Total VOC discharge loading (lb)	37.09	0.17	23.06	0.13	39.08	0.61	32.037	1.590
Total VOCs removed (lb)	133.8							

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 = liquid ring pump effluent
6. AS = air stripper effluent
7. LRP runtime calculated using the difference in hour meter readings between reporting periods.

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 2013 through April 2014
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 2013	8	MW-2 MW-10	MW-3 MW-11	MW-4 MW-12	MW-6 MW-16S
October 2013	8	MW-2 MW-10	MW-3 MW-11	MW-6 MW-12	MW-8R MW-13S
January 2014	8	MW-2 MW-10	MW-3 MW-11	MW-4 MW-12	MW-6 MW-16S
Comprehensive Annual Groundwater Monitoring					
April 2014	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 2013 Field Forms

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 4/1/2013
Field Personnel Dino Zack
Site Name Former Scott Aviation Site - Lancaster, NY
Job # 60288479
Well ID # MW-2
 Upgradient Downgradient
Weather Conditions cloudy
Air Temperature 30 ° F
Total Depth (TWD) Below Top of Casing = 16.4 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 6.34 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		
Time (Military)	11:25	11:30	11:35	11:40	11:45	11:50		
Depth to Groundwater Below Top of Casing (ft)	7	7.65	8.2	8.3	8.38	8.41		
Drawdown (ft)	-0.66	-0.65	-0.55	-0.1	-0.08	-0.03		
pH (S.U.)	6.82	6.67	6.63	6.62	6.62	6.62		
Sp. Cond. (mS/cm)	1776	1769	1768	1764	1761	1760		
Turbidity (NTUs)	7.2	3.11	3.62	2.19	2.81	3.9		
Dissolved Oxygen (mg/L)	0.31	0.24	0.19	0.25	0.23	0.22		
Water Temperature (°C)	8.5	8.5	8.4	8.1	7.9	8		
ORP (mV)	-91.7	-91	-95.7	-94.6	-94.3	-94.3		

Physical appearance at start Color clear w/ little iron bacteriaOdor noSheen/Free Product noPhysical appearance at sampling Color clearOdor noSheen/Free Product COMMENTS/OBSERVATIONS Sample at 11:55hrs

Date (mo/day/yr) _____	4/2/2013	
Field Personnel _____	Dino Zack	
Site Name _____	Former Scott Aviation Site - Lancaster, NY	
Job # _____	60288479	
Well ID # _____	MW-3	
_____ Upgradient	_____ Downgradient	
Weather Conditions _____	Cloudy	
Air Temperature _____	30	° F
Total Depth (TWD) Below Top of Casing = _____	28	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = _____	10.3	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 _____	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

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)	200	150	150	100	100	100	
Time (Military)	8:05	8:10	8:15	8:20	8:25	8:30	
Depth to Groundwater Below Top of Casing (ft)	10.95	11.4	12.1	12.9	13.02	13.1	
Drawdown (ft)	-0.65	-0.45	-0.7	-0.8	-0.12	-0.08	
pH (S.U.)	7.85	7.21	7.18	7.12	7.11	7.08	
Sp. Cond. (mS/cm)	1143	1149	1150	1152	1154	1156	
Turbidity (NTUs)	13.2	7.8	3.9	2	0.8	0.41	
Dissolved Oxygen (mg/L)	1.46	1.31	0.75	0.25	0.24	0.23	
Water Temperature (°C)	6.9	7.1	7.3	7.7	7.5	7.3	
ORP (mV)	55.2	47.2	33.1	29.3	22.4	21.2	
Physical appearance at start	Color	clear		Physical appearance at sampling	Color	clear	
	Odor	no			Odor	no	
Sheen/Free Product	no			Sheen/Free Product			

COMMENTS/OBSERVATIONS _____	Sample at 08:30hrs

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GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 4/1/2013

Field Personnel Dino Zack

Site Name Former Scott Aviation Site - Lancaster, NY

Job # 60288479

Well ID # MW-6

 Upgradient Downgradient

Weather Conditions cloudy

Air Temperature 30

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

Depth to Groundwater (DGW) Below Top of Casing = 8.7 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)	12:45	12:50	12:55	13:00	13:05	13:10		
Depth to Groundwater Below Top of Casing (ft)	9.7	10.5	10.9	11.02	11.24	11.3		
Drawdown (ft)	-1	-0.8	-0.4	-0.12	-0.22	-0.06		
pH (S.U.)	7.94	7.95	7.96	7.96	7.91	7.9		
Sp. Cond. (mS/cm)	1110	1099	1095	1095	1098	1096		
Turbidity (NTUs)	35.2	28.5	19.3	15.2	14.9	16.3		
Dissolved Oxygen (mg/L)	5.12	5.01	4.89	4.78	4.61	4.51		
Water Temperature (°C)	9.2	9.3	9.2	9.2	9.5	9.1		
ORP (mV)	-21.8	-11.2	-2.2	3	14.3	17.3		

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 Sample at 13:15hrs

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 4/3/2013

Field Personnel Dino Zack

Site Name Former Scott Aviation Site - Lancaster, NY

Job # 60288479

Well ID # MW-8R

 Upgradient Downgradient

Weather Conditions cloudy

Air Temperature 30 ° F

Total Depth (TWD) Below Top of Casing = 27.5 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 13.45 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	150	
Time (Military)	11:55	12:00	12:05	12:10	12:15	12:20	12:25
Depth to Groundwater Below Top of Casing (ft)	13.84	14.28	14.51	14.95	15.3	15.6	15.9
Drawdown (ft)	-0.39	-0.44	-0.23	-0.44	-0.35	-0.3	-0.3
pH (S.U.)	7.15	6.95	6.91	6.85	6.83	6.8	6.81
Sp. Cond. (S/cm)	3019	2588	2500	2465	2491	2561	2560
Turbidity (NTUs)	69.8	29.3	26.6	26.1	26.7	23.6	24.2
Dissolved Oxygen (g/L)	0.98	0.24	0.51	0.8	0.4	0.14	0.12
Water Temperature (°C)	8.1	8.1	8.1	8.1	8.1	8.2	8.4
ORP (mV)	-124.1	-131.2	-101.3	-81.3	-111.1	-122.8	-129.2

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 Sample at 12:30hrs

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	4/2/2013	
Field Personnel	Dino Zack	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60288479	
Well ID #	MW-9	
	Upgradient	Downgradient
Weather Conditions	cloudy	
Air Temperature	30	
Total Depth (TWD) Below Top of Casing =	23.5	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	13.05	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	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)

125	125	125	125	125	125	125	
8:55	9:00	9:05	9:10	9:15	9:20	9:25	
13.31	13.51	13.92	14.05	14.29	14.48	14.6	
-0.26	-0.2	-0.41	-0.13	-0.24	-0.19	-0.12	
7.22	7.19	7.14	7.14	7.14	7.14	7.13	
1188	1195	1200	1210	1210	1211	1213	
2	1.98	1.75	0.99	0.7	0.5	0.31	
0.64	1.5	2.25	2.61	2.6	2.91	3.19	
6.8	6.8	6.9	6.9	7.1	6.9	6.6	
39.1	42.3	50.2	56.2	57.2	59.2	61.8	

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	Sample at 09:30hrs

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	4/1/2013	
Field Personnel	Dino Zack	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60288479	
Well ID #	MW-10	
	Upgradient	Downgradient
Weather Conditions	cloudy	
Air Temperature	30	° F
Total Depth (TWD) Below Top of Casing =	24	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	8.35	1/100 ft
Length of Water Column (LWC) = TWD - DGW =	8.35	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)	125	125	125	125	125			
Time (Military)	14:00	14:05	14:10	14:15	14:20			
Depth to Groundwater Below Top of Casing (ft)	8.95	9.45	9.51	9.69	9.75			
Drawdown (ft)	-0.6	-0.5	-0.06	-0.18	-0.06			
pH (S.U.)	6.81	6.86	6.85	6.83	6.83			
Sp. Cond. (mS/cm)	1940	1945	1946	1946	1946			
Turbidity (NTUs)	4.21	1.6	0.8	0.91	0.51			
Dissolved Oxygen (mg/L)	0.71	0.25	0.24	0.24	0.23			
Water Temperature (°C)	9.5	9.6	9.1	8.9	8.9			
ORP (mV)	21.1	25.6	26	26.6	26.8			

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	

[illegible]

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GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 4/2/2013

Field Personnel Dino Zack

Site Name Former Scott Aviation Site - Lancaster, NY

Job # 60288479

Well ID # MW-13S

 Upgradient Downgradient

Weather Conditions cloudy

Air Temperature 30 ° F

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

Depth to Groundwater (DGW) Below Top of Casing = 6.67 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	
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	Dup

FIELD ANALYSES

Flow Rate (ml/min)	150	150	150	150	150	150		
Time (Military)	10:20	10:25	10:30	10:35	10:40	10:45		
Depth to Groundwater Below Top of Casing (ft)	7.58	8.5	9.15	9.29	9.56	9.8		
Drawdown (ft)	-0.91	-0.92	-0.65	-0.14	-0.27	-0.24		
pH (S.U.)	7.21	7.13	7.08	7.06	7.02	7		
Sp. Cond. (mS/cm)	1504	1471	1719	1451	1477	1518		
Turbidity (NTUs)	42	48	49	48.7	42.1	41.1		
Dissolved Oxygen (mg/L)	0.6	1.4	2.3	1.9	1.6	0.99		
Water Temperature (°C)	7.7	7.7	7.5	7.5	7.5	7.5		
ORP (mV)	-83.7	-39	-15.2	-10.8	-9.6	-17.8		

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 Sample at 10:50hrs

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Date (mo/day/yr)4/2/2013

Field PersonnelDino Zack

Site NameFormer Scott Aviation Site - Lancaster, NY

Job #60288479

Well ID #MW-14S

Upgradient

Downgradient

Weather Conditionscloudy

Air Temperature30 ° F

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

Depth to Groundwater (DGW) Below Top of Casing = 5.5 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 EvacuationPeristaltic Pump

Method of Sample CollectionPeristaltic Pump/Poly Tubing

Total Volume of Water Removed 3 liter

Casing Diameter1 inches

Casing MaterialPVC

Measuring Point Elevation685.84 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)	100	100	100	100				
Time (Military)	15:25	15:30	15:35	15:40				
Depth to Groundwater Below Top of Casing (ft)	6	7.1	7.8	8.5				
Drawdown (ft)	-0.5	-1.1	-0.7	-0.7				
pH (S.U.)	7.09	6.97	6.65	6.94				
Sp. Cond. (S/cm)	883	1030	1062	1095				
Turbidity (NTUs)	52.7	41.9	34.5	30.6				
Dissolved Oxygen (g/L)	4.79	0.6	0.22	0.14				
Water Temperature (°C)	7	7.5	7.7	7.7				
ORP (mV)	-52	-54.2	-56.2	-55.8				

Physical appearance at start

Colorclear

Odorno

Sheen/Free Productno

Physical appearance at sampling

Colorclear

Odorno

Sheen/Free Productno

COMMENTS/OBSERVATIONS

Sample at 15:45hrs

Date (mo/day/yr) _____	4/2/2013	
Field Personnel _____	Dino Zack	
Site Name _____	Former Scott Aviation Site - Lancaster, NY	
Job # _____	60288479	
Well ID # _____	MW-14D	
_____ Upgradient	_____ Downgradient	
Weather Conditions _____	cloudy	
Air Temperature _____	30	° F
Total Depth (TWD) Below Top of Casing = _____	23.5	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = _____	10.78	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 _____	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

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

Flow Rate (ml/min)	150	150	150	150	150			
Time (Military)	15:55	16:00	16:05	16:10	16:15			
Depth to Groundwater Below Top of Casing (ft)	12.3	12.9	13.4	13.8	14.1			
Drawdown (ft)	-1.52	-0.6	-0.5	-0.4	-0.3			
pH (S.U.)	10.24	8.63	8.13	7.88	7.85			
Sp. Cond. (mS/cm)	854	1216	1242	1297	1299			
Turbidity (NTUs)	38	37.6	26.3	36.5	36.8			
Dissolved Oxygen (mg/L)	0.41	0.25	0.2	0.17	0.19			
Water Temperature (°C)	9.9	9.7	10	10.1	10.1			
ORP (mV)	-166	-245.6	-201.3	-174.7	-172.4			

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 Sample collected at 16:20hrs

Date (mo/day/yr) _____	4/2/2013	
Field Personnel _____	Dino Zack	
Site Name _____	Former Scott Aviation Site - Lancaster, NY	
Job # _____	60288479	
Well ID # _____	MW-15S	
_____ Upgradient	_____ Downgradient	
Weather Conditions _____	clear	
Air Temperature _____	30	° F
Total Depth (TWD) Below Top of Casing = _____	18	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = _____	0.5	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 _____	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	

Flow Rate (ml/min)	125	125	125	125	125	125		
Time (Military)	13:00	13:05	13:10	13:15	13:20	13:25		
Depth to Groundwater Below Top of Casing (ft)	1.8	2.5	2.95	3.24	3.57	3.6		
Drawdown (ft)	-1.3	-0.7	-0.45	-0.29	-0.33	-0.03		
pH (S.U.)	8.56	10.89	11.38	11.54	11.97	12.17		
Sp. Cond. (mS/cm)	664	875	1097	1495	1450	1410		
Turbidity (NTUs)	47.2	61.7	41	38.2	42.3	37.9		
Dissolved Oxygen (mg/L)	0.006	0.003	0.001	0	0.07	0.05		
Water Temperature (°C)	8.8	8.4	8.4	7.9	7.4	7.9		
ORP (mV)	-457.1	-442.2	-369.2	-299.1	-69	-247		

Physical appearance at start	Color	clear w/ black flecks	Physical appearance at sampling	Color	clear w/ black flecks
	Odor	yes		Odor	yes
Sheen/Free Product		no	Sheen/Free Product		no

COMMENTS/OBSERVATIONS _____

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GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 4/3/2013

Field Personnel Dino Zack

Site Name Former Scott Aviation Site - Lancaster, NY

Job # 60288479

Well ID # MW-16S

☐ Upgradient ☐ Downgradient

Weather Conditions cloudy

Air Temperature 30 ° F

Total Depth (TWD) Below Top of Casing = 15.4 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 10.64 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 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) 12 - 18 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	100	100	100		
Time (Military)	9:50	9:55	10:00	10:05	10:10	10:15		
Depth to Groundwater Below Top of Casing (ft)	11.7	12.7	13.95	14.48	14.7	14.91		
Drawdown (ft)	-1.06	-1	-1.25	-0.53	-0.22	-0.21		
pH (S.U.)	7.55	7.01	6.94	6.91	6.88	6.88		
Sp. Cond. (mS/cm)	2015	2052	2060	2066	2071	2073		
Turbidity (NTUs)	15.6	7.8	9.3	8.4	5.2	4.3		
Dissolved Oxygen (mg/L)	0.9	0.61	0.43	0.31	0.31	0.31		
Water Temperature (°C)	7.7	7.8	7.9	7.9	7.9	7.9		
ORP (mV)	-65.8	-91.1	-111.1	-118.2	-130.6	-134.1		

Physical appearance at start Color clear

Odor no

Physical appearance at sampling Color clear

Odor no

Sheen/Free Product no

Sheen/Free Product no

COMMENTS/OBSERVATIONS Sample at 10:20hrs

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Appendix C

Current and Historical Summary of Groundwater Elevations

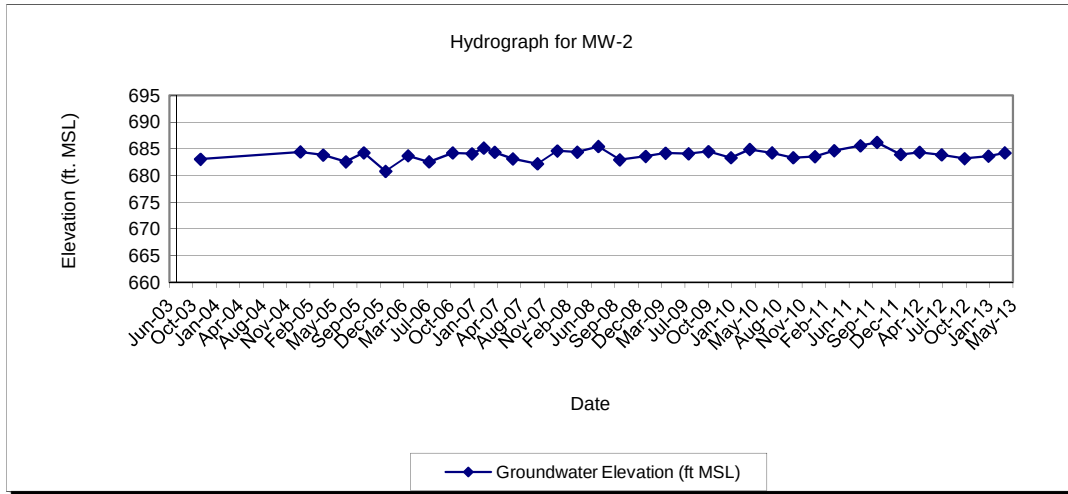
**MONITORING WELL MW-2
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York**

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
7/5/2012	6.47	683.88
10/11/2012	7.17	683.18
1/21/2013	6.72	683.63
4/1/2013	6.10	684.25

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



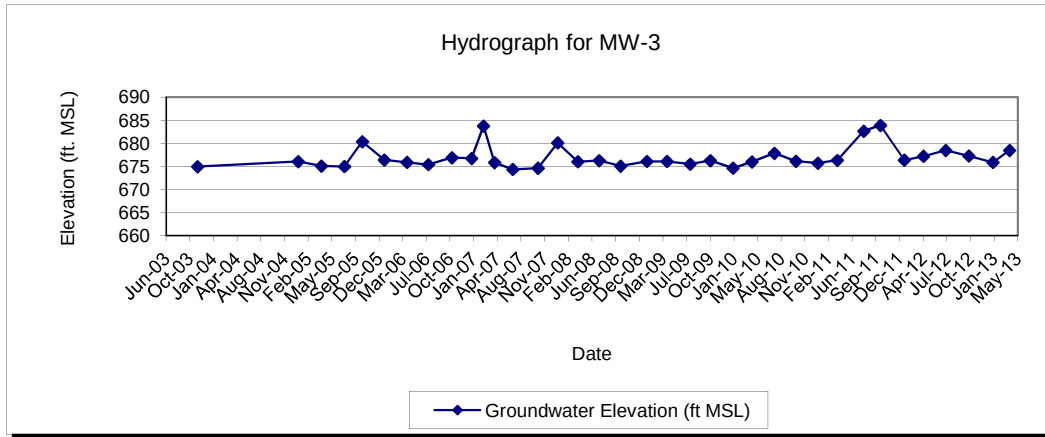
**MONITORING WELL MW-3
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York**

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
7/5/2012	8.56	678.46
10/11/2012	9.77	677.25
1/21/2013	11.15	675.87
4/1/2013	8.56	678.46

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



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
7/6/2012	9.66	676.76
10/11/2012	18.60	667.82
1/21/2013	17.04	669.38
4/1/2013	18.65	667.77

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

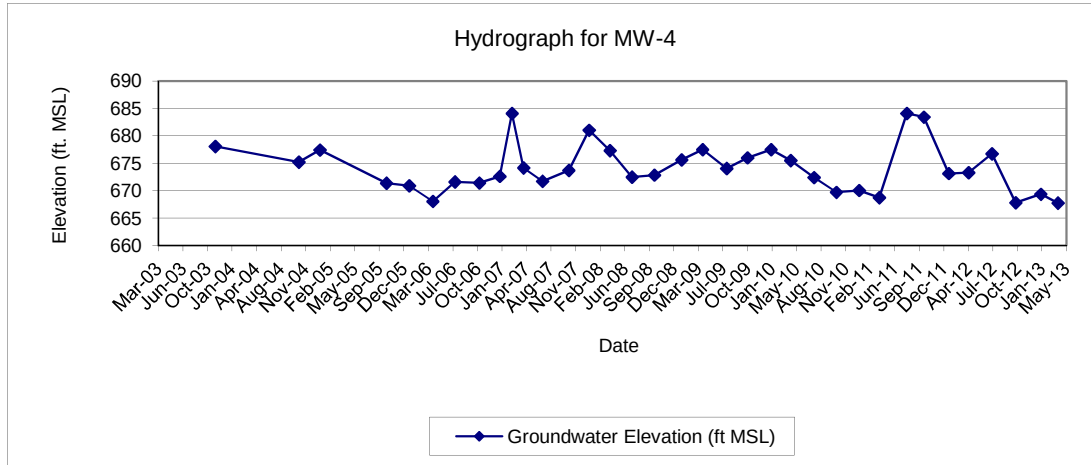
TOC Elevation - 686.64

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



**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
7/5/2012	7.64	678.89
10/11/2012	10.80	675.73
1/21/2013	10.12	676.41
4/1/2013	8.41	678.12

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

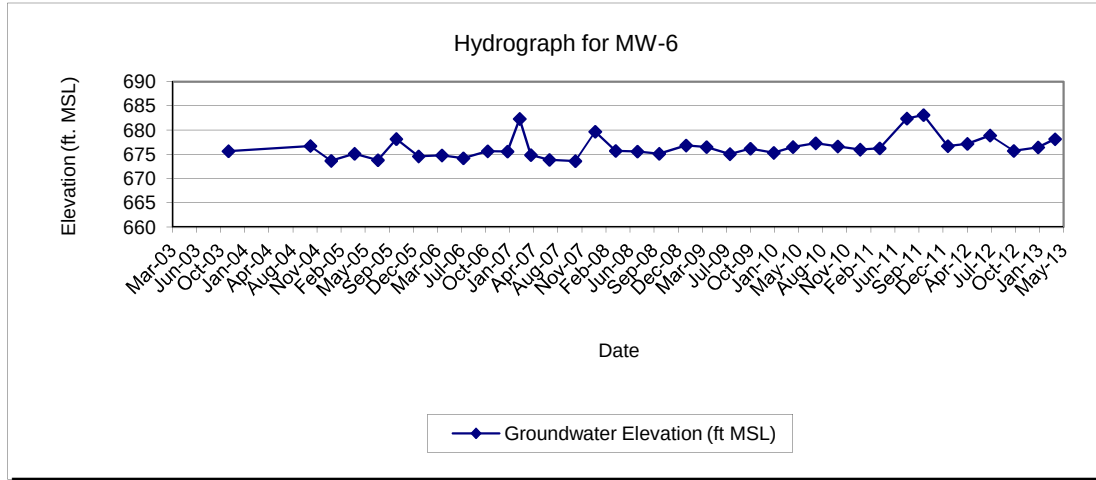
TOC Elevation - 686.68

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



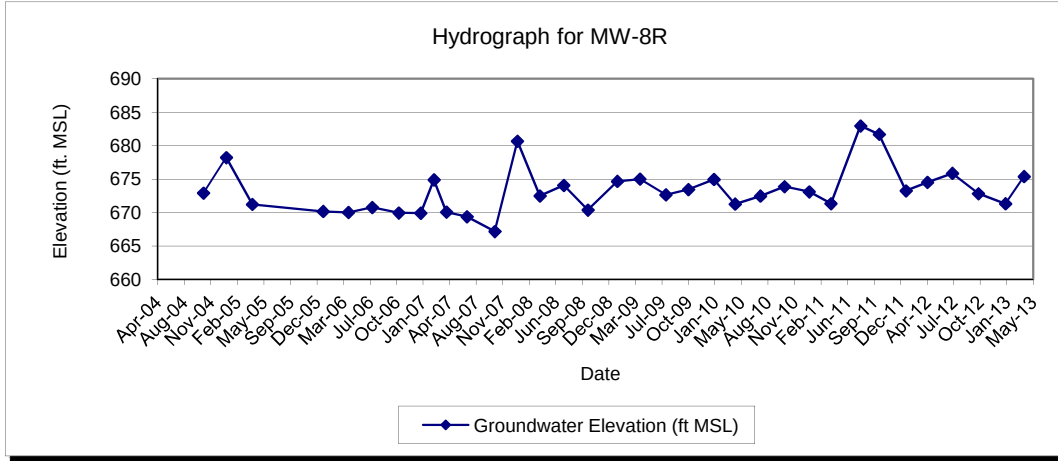
MONITORING WELL MW-8R
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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
7/5/2012	10.34	675.87
10/11/2012	13.38	672.83
1/21/2013	14.90	671.31
4/1/2013	10.82	675.39

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



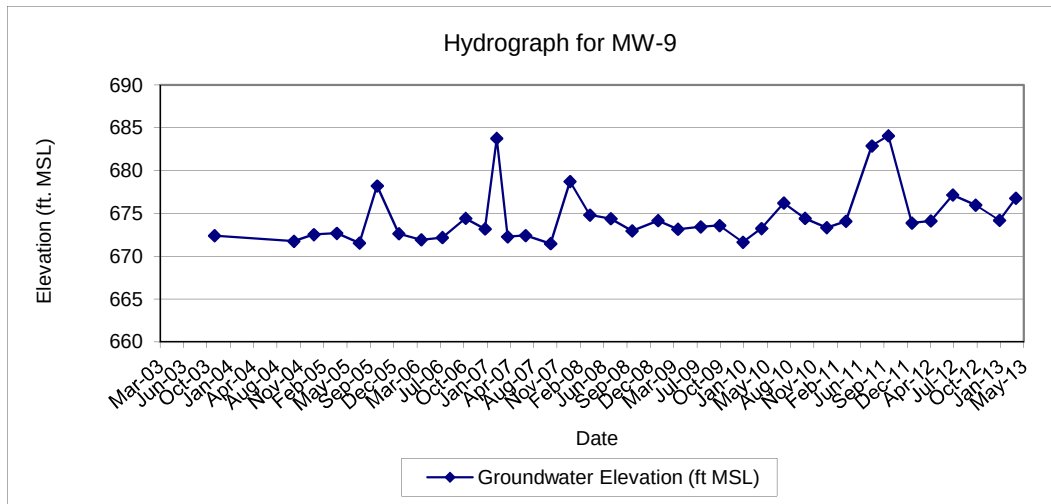
MONITORING WELL MW-9
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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
7/5/2012	11.48	677.16
10/11/2012	12.66	675.98
1/21/2013	14.44	674.20
4/1/2013	11.87	676.77

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



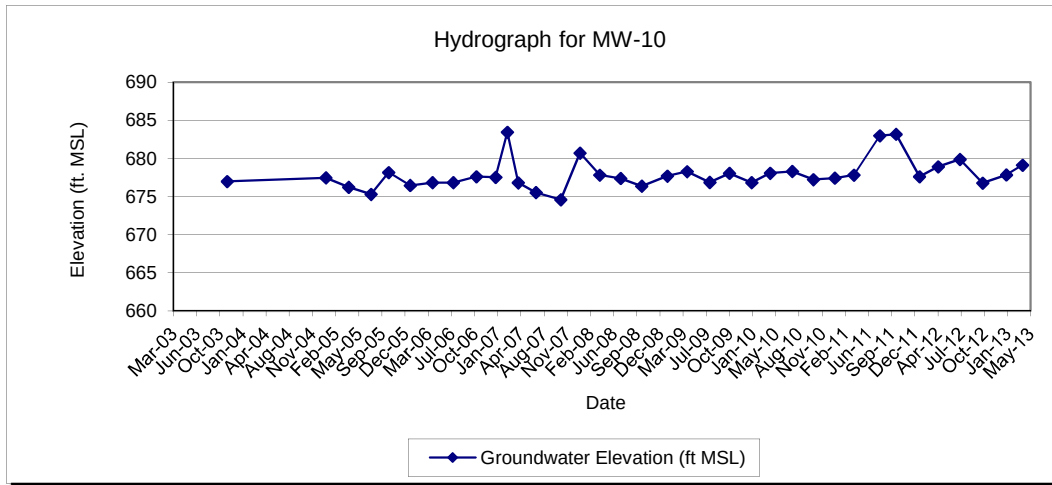
MONITORING WELL MW-10
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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
7/5/2012	7.55	679.86
10/11/2012	10.65	676.76
1/21/2013	9.59	677.82
4/1/2013	8.30	679.11

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



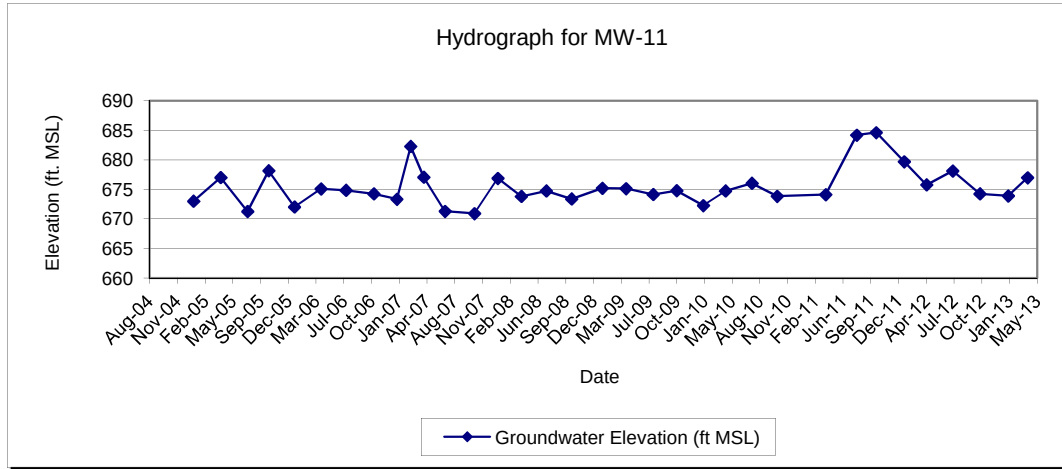
MONITORING WELL MW-11
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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	673.02
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
7/5/2012	10.53	678.12
10/11/2012	14.40	674.25
1/21/2013	14.75	673.90
4/1/2013	11.66	676.99

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



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	5.30	680.85
7/5/2012	7.20	678.95
10/11/2012	6.75	679.40
1/21/2013	5.51	680.64
4/1/2013	5.07	681.08

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.79

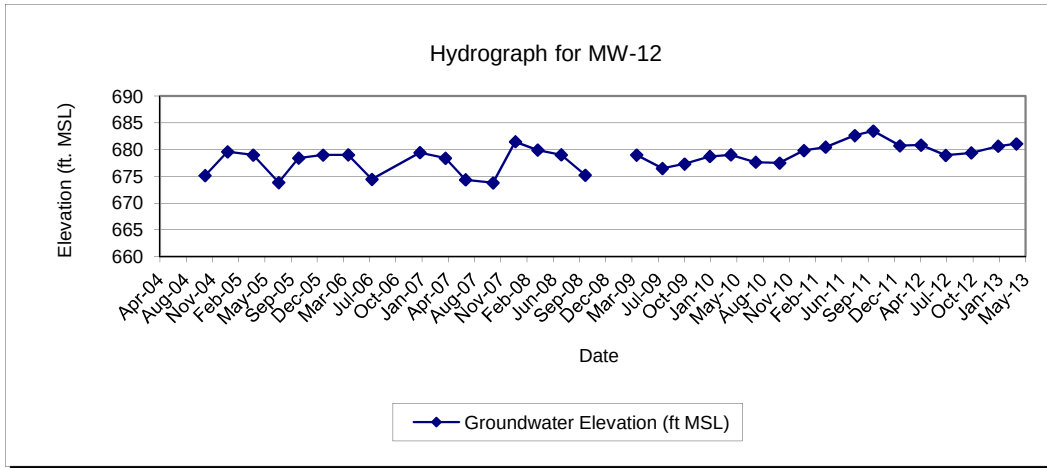
NM* - Well could not be located due to snow cover

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



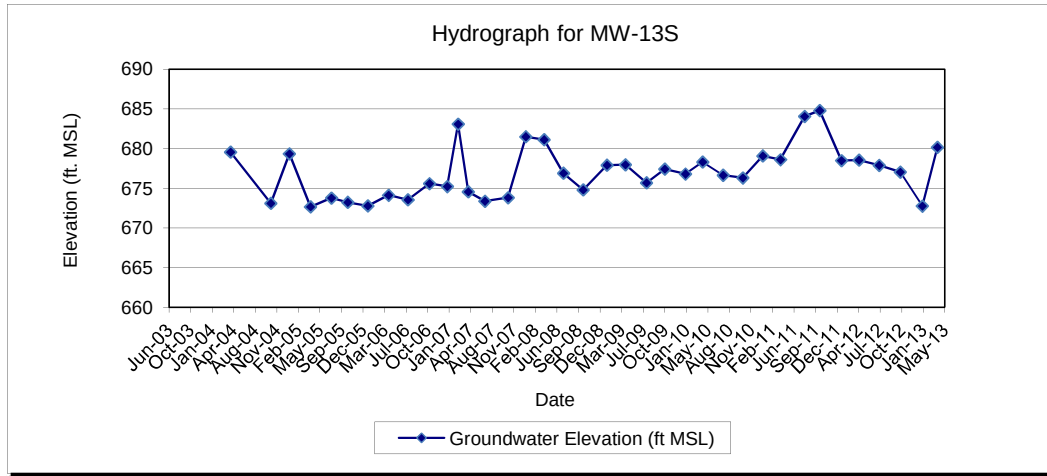
MONITORING WELL MW-13S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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
7/5/2012	8.71	677.89
10/11/2012	9.57	677.03
1/21/2013	13.85	672.75
4/1/2013	6.44	680.16

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



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
7/5/2012	9.25	677.48
10/11/2012	13.00	673.73
1/21/2013	13.85	672.88
4/1/2013	11.01	675.72

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

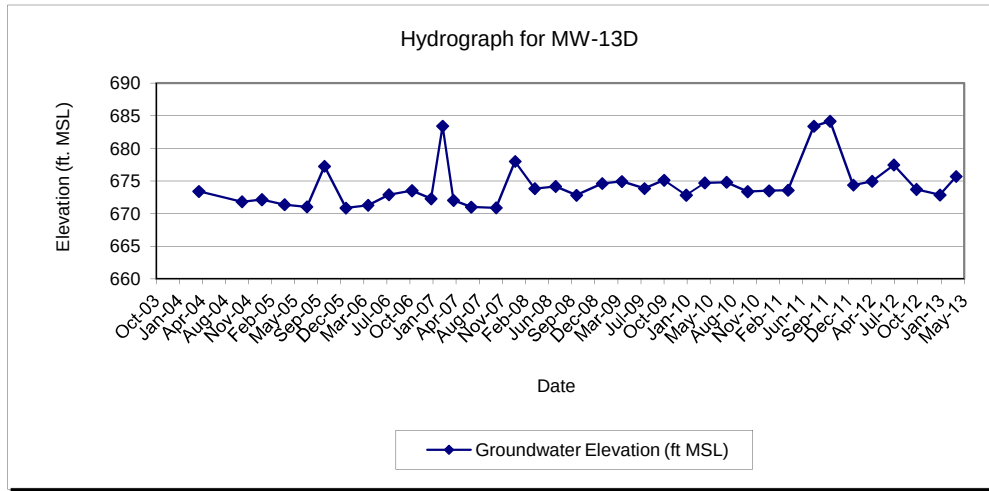
TOC Elevation - 686.71

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



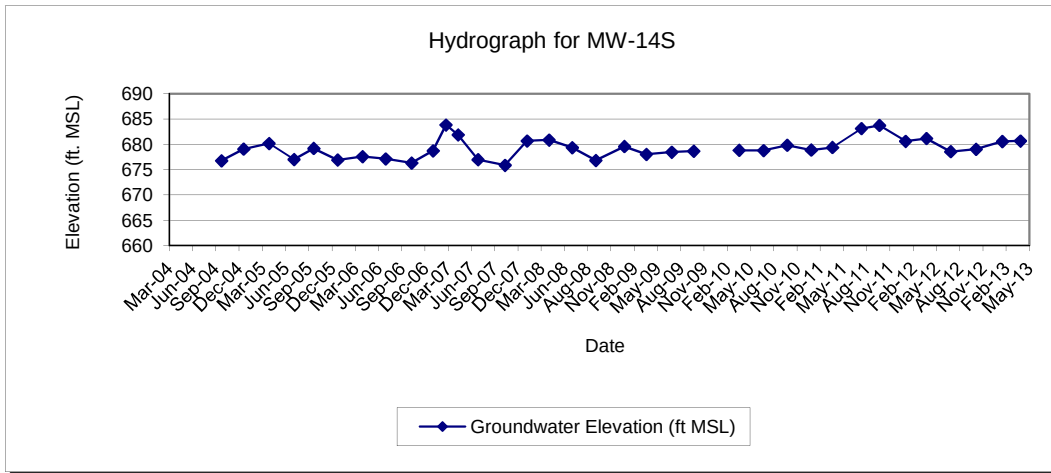
MONITORING WELL MW-14S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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
7/5/2012	7.15	678.55
10/11/2012	6.67	679.03
1/21/2013	5.15	680.55
4/1/2013	5.05	680.65

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



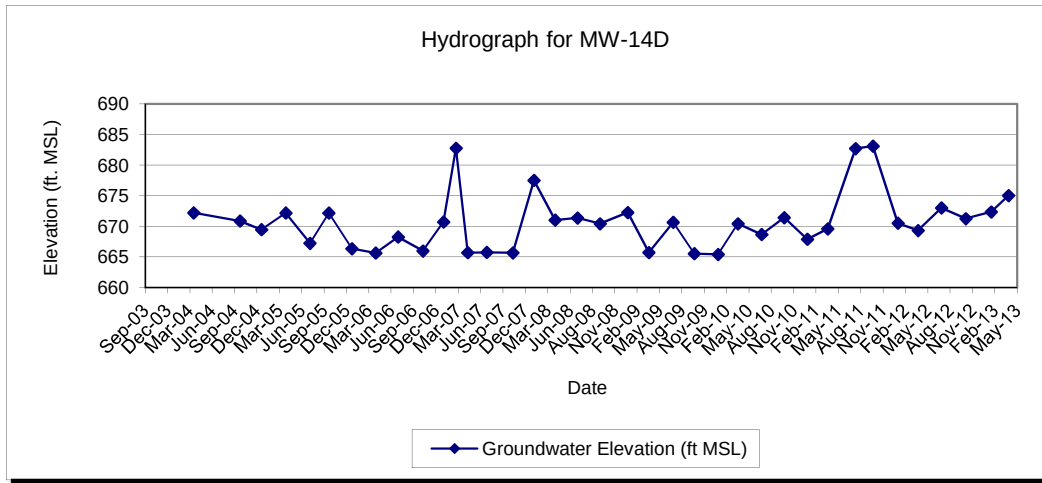
MONITORING WELL MW-14D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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
7/5/2012	12.81	673.01
10/11/2012	14.55	671.27
1/21/2013	13.45	672.37
4/1/2013	10.78	675.04

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



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
7/5/2012	3.90	683.62
10/1/2012	3.18	684.34
1/21/2013	0.00	687.52
4/1/2013	0.50	687.02

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

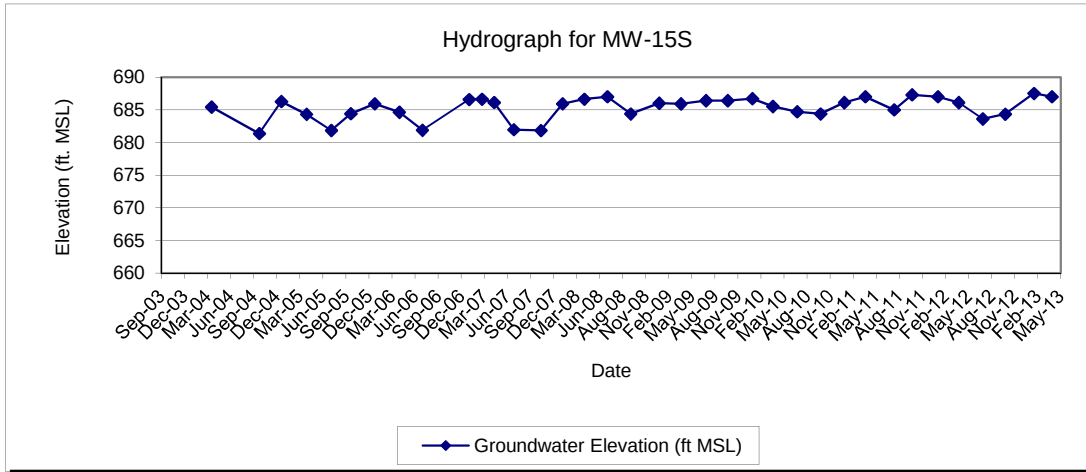
TOC Elevation - 686.64'

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



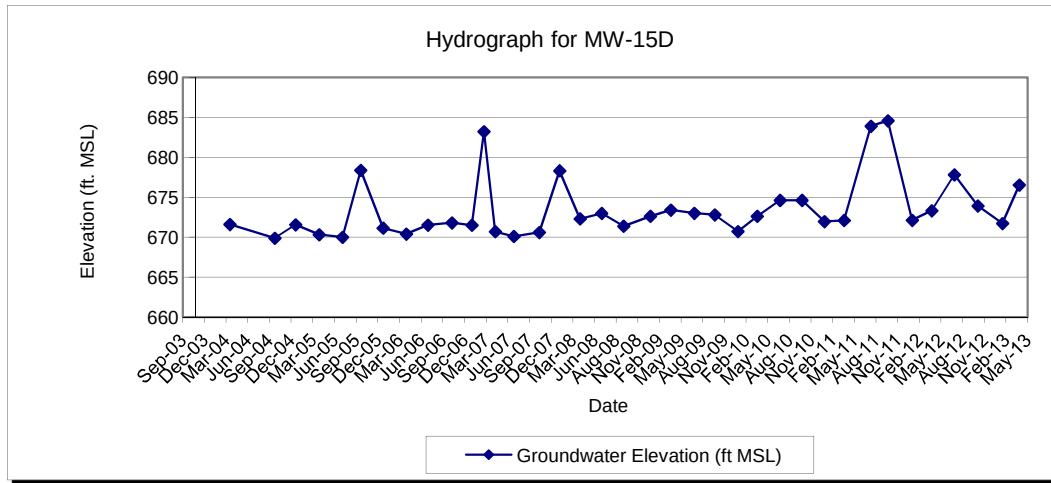
**MONITORING WELL MW-15D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York**

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
7/5/2012	9.81	677.81
10/11/2012	13.70	673.92
1/21/2013	15.90	671.72
4/1/2013	11.08	676.54

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



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
7/5/2012	9.12	676.72
10/11/2012	6.36	679.48
1/21/2013	7.85	677.99
4/1/2013	10.15	675.69

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.84'

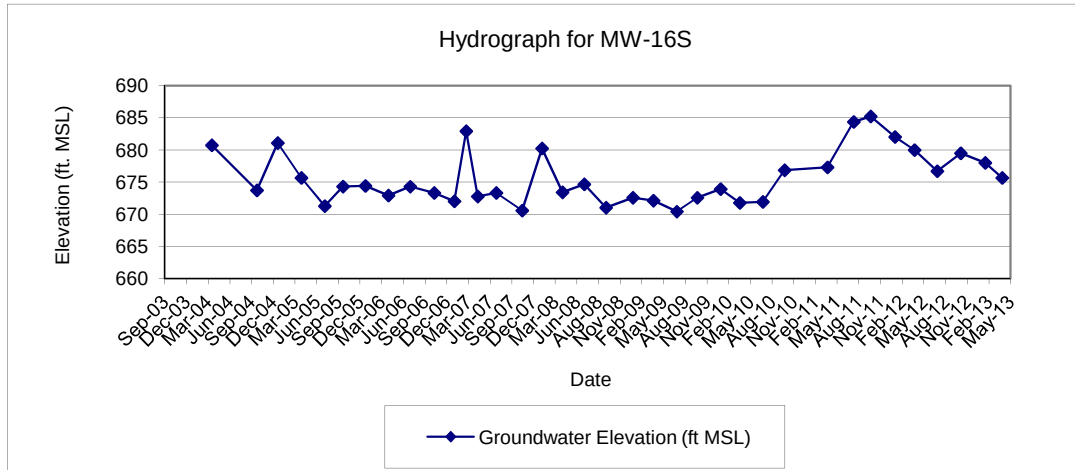
DPE and GWCT down on 2/28/07

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



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
7/5/2012	8.90	677.11
10/11/2012	13.38	672.63
1/21/2013	15.44	670.57
4/1/2013	12.31	673.70

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 686.01'

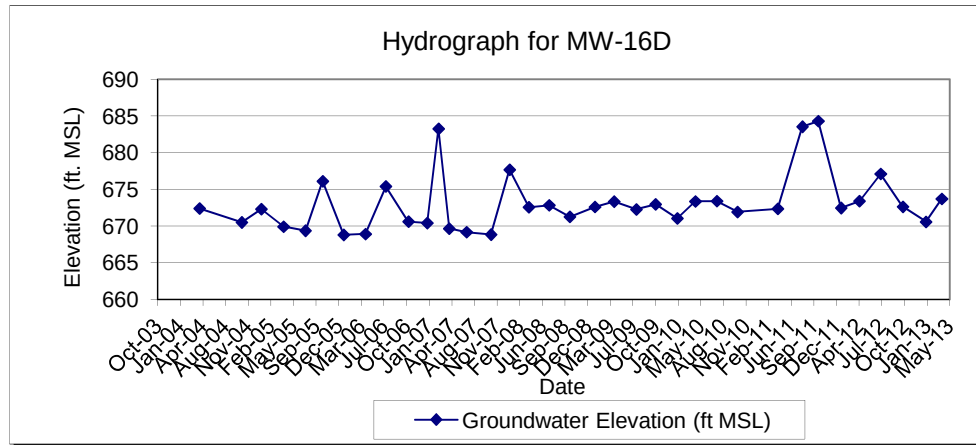
DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 690.55'

TOC Elevation as of 4/7/2011 - 686.01'

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



Appendix D

Analytical Laboratory Data Packages

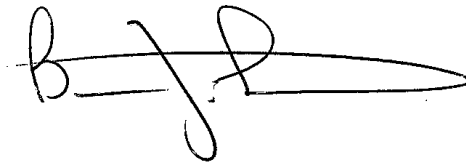
(Provided on CD)

ANALYTICAL REPORT

Job Number: 480-35528-1

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
4/17/2013 3:10 PM

Brian Fischer
Project Manager II
brian.fischer@testamericainc.com
04/17/2013

cc: Ms. Helen Jones

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

TestAmerica Laboratories, Inc.

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Job Narrative
480-35528-1

Comments

No additional comments.

Receipt

The samples were received on 4/3/2013 3:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8° C.

GC/MS VOA

Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: MW-15D (480-35528-15), MW-15S (480-35528-14), MW-16S (480-35528-16), MW-4 (480-35528-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: Duplicate (480-35528-19), MW-15D (480-35528-15), MW-8R (480-35528-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: MW-13S (480-35528-10), MW-16D (480-35528-17), MW-4 (480-35528-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The analytes Vinyl chloride, 1,1-Dichloroethane and 1,1-Dichloroethene were detected in the sample MW-13S (480-35528-10) 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.: 480-35528-1

SDG No.: _____

Instrument ID: HP5973N Analysis Batch Number: 111319Lab Sample ID: 480-35528-10 Client Sample ID: MW-13SDate Analyzed: 04/06/13 17:04 Lab File ID: N5370.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	3.34	Missed Peak	HilllL	04/08/13 09:42
Trichloroethene	4.72	Split Peak	HilllL	04/08/13 09:42

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 480-35528-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-35528-1	MW-2	Ground Water	04/02/2013 1155	04/03/2013 1535
480-35528-2	MW-3	Ground Water	04/02/2013 0830	04/03/2013 1535
480-35528-3	MW-4	Ground Water	04/02/2013 1145	04/03/2013 1535
480-35528-4	MW-6	Ground Water	04/02/2013 1315	04/03/2013 1535
480-35528-5	MW-8R	Ground Water	04/02/2013 1230	04/03/2013 1535
480-35528-6	MW-9	Ground Water	04/02/2013 0930	04/03/2013 1535
480-35528-7	MW-10	Ground Water	04/02/2013 1425	04/03/2013 1535
480-35528-8	MW-11	Ground Water	04/02/2013 1230	04/03/2013 1535
480-35528-9	MW-12	Ground Water	04/02/2013 1515	04/03/2013 1535
480-35528-10	MW-13S	Ground Water	04/02/2013 1050	04/03/2013 1535
480-35528-11	MW-13D	Ground Water	04/02/2013 1130	04/03/2013 1535
480-35528-12	MW-14S	Ground Water	04/02/2013 1545	04/03/2013 1535
480-35528-13	MW-14D	Ground Water	04/02/2013 1620	04/03/2013 1535
480-35528-14	MW-15S	Ground Water	04/02/2013 1330	04/03/2013 1535
480-35528-15	MW-15D	Ground Water	04/03/2013 1500	04/03/2013 1535
480-35528-16	MW-16S	Ground Water	04/03/2013 1020	04/03/2013 1535
480-35528-17	MW-16D	Ground Water	04/03/2013 1100	04/03/2013 1535
480-35528-18RB	Rinse	Water	04/01/2013 0730	04/03/2013 1535
480-35528-19FD	Duplicate	Water	04/02/2013 1230	04/03/2013 1535
480-35528-20TB	Trip Blank	Water	04/01/2013 0800	04/03/2013 1535

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-35528-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-35528-1 Chloroethane	MW-2	8.8		1.0	ug/L	8260B
480-35528-2 1,1-Dichloroethane cis-1,2-Dichloroethene Vinyl chloride	MW-3	9.6 1.3 4.0		1.0 1.0 1.0	ug/L ug/L ug/L	8260B 8260B 8260B
480-35528-3 1,1-Dichloroethane 1,1-Dichloroethene cis-1,2-Dichloroethene Methylene Chloride trans-1,2-Dichloroethene Trichloroethene Vinyl chloride	MW-4	850 160 57000 19 110 12000 480	J	40 40 1000 40 40 1000 40	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	8260B 8260B 8260B 8260B 8260B 8260B 8260B
480-35528-5 cis-1,2-Dichloroethene Trichloroethene Vinyl chloride	MW-8R	37000 64000 1900		1000 1000 1000	ug/L ug/L ug/L	8260B 8260B 8260B
480-35528-6 1,1-Dichloroethane 1,2-Dichloroethane Chloroethane cis-1,2-Dichloroethene Vinyl chloride	MW-9	62 1.1 5.9 16 17		1.0 1.0 1.0 1.0 1.0	ug/L ug/L ug/L ug/L ug/L	8260B 8260B 8260B 8260B 8260B
480-35528-8 1,1,1-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethene Chloroethane cis-1,2-Dichloroethene Vinyl chloride	MW-11	1.4 13 2.0 17 55 24		1.0 1.0 1.0 1.0 1.0 1.0	ug/L ug/L ug/L ug/L ug/L ug/L	8260B 8260B 8260B 8260B 8260B 8260B

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-35528-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-35528-9	MW-12					
Benzene		1.1		1.0	ug/L	8260B
Chloroethane		22		1.0	ug/L	8260B
Vinyl chloride		1.1		1.0	ug/L	8260B
480-35528-10	MW-13S					
1,2-Dichloroethane		0.61	J	1.0	ug/L	8260B
Chloroethane		3.9		1.0	ug/L	8260B
cis-1,2-Dichloroethene		22000		1000	ug/L	8260B
Methylene Chloride		0.57	J	1.0	ug/L	8260B
Tetrachloroethene		0.42	J	1.0	ug/L	8260B
Toluene		4.0		1.0	ug/L	8260B
trans-1,2-Dichloroethene		53		1.0	ug/L	8260B
Trichloroethene		40000		1000	ug/L	8260B
480-35528-11	MW-13D					
cis-1,2-Dichloroethene		44		1.0	ug/L	8260B
Trichloroethene		53		1.0	ug/L	8260B
Vinyl chloride		2.9		1.0	ug/L	8260B
480-35528-12	MW-14S					
Acetone		3.1	J	10	ug/L	8260B
480-35528-13	MW-14D					
1,1-Dichloroethane		21		1.0	ug/L	8260B
1,2-Dichloroethane		0.83	J	1.0	ug/L	8260B
Benzene		1.3		1.0	ug/L	8260B
Chloroethane		4.6		1.0	ug/L	8260B
cis-1,2-Dichloroethene		28		1.0	ug/L	8260B
Trichloroethene		0.99	J	1.0	ug/L	8260B
Vinyl chloride		19		1.0	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-35528-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-35528-14	MW-15S					
1,1-Dichloroethane		780		20	ug/L	8260B
1,1-Dichloroethene		19	J	20	ug/L	8260B
2-Butanone (MEK)		240		200	ug/L	8260B
Acetone		1400		200	ug/L	8260B
Chloroethane		560		20	ug/L	8260B
cis-1,2-Dichloroethene		1100		20	ug/L	8260B
Methylene Chloride		12	J	20	ug/L	8260B
Toluene		140		20	ug/L	8260B
Trichloroethene		140		20	ug/L	8260B
Vinyl chloride		420		20	ug/L	8260B
Xylenes, Total		19	J	40	ug/L	8260B
480-35528-15	MW-15D					
1,1-Dichloroethane		16		8.0	ug/L	8260B
Chloroethane		1900		20	ug/L	8260B
Methylene Chloride		4.1	J	8.0	ug/L	8260B
Vinyl chloride		240		8.0	ug/L	8260B
480-35528-16	MW-16S					
1,1-Dichloroethane		1500	J	4000	ug/L	8260B
cis-1,2-Dichloroethene		82000		4000	ug/L	8260B
Methylene Chloride		3100	J	4000	ug/L	8260B
Trichloroethene		230000		4000	ug/L	8260B
Vinyl chloride		7300		4000	ug/L	8260B
480-35528-17	MW-16D					
1,1,2-Trichloroethane		0.23	J	1.0	ug/L	8260B
1,1-Dichloroethane		260		50	ug/L	8260B
1,1-Dichloroethene		9.4		1.0	ug/L	8260B
1,2-Dichloroethane		1.3		1.0	ug/L	8260B
Chloroethane		190		50	ug/L	8260B
cis-1,2-Dichloroethene		2900		50	ug/L	8260B
Methylene Chloride		0.56	J	1.0	ug/L	8260B
trans-1,2-Dichloroethene		17		1.0	ug/L	8260B
Trichloroethene		57		1.0	ug/L	8260B
Vinyl chloride		1100		50	ug/L	8260B
480-35528-19FD	DUPLICATE					
cis-1,2-Dichloroethene		23000		1000	ug/L	8260B
Methylene Chloride		500	J	1000	ug/L	8260B
Trichloroethene		42000		1000	ug/L	8260B

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 480-35528-1

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: 480-35528-1

Method	Analyst	Analyst ID
SW846 8260B	Hill, Leah	LH
SW846 8260B	Jones, Rebecca	RJ
SW846 8260B	Larson, Renee	RL

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-2

Lab Sample ID: 480-35528-1

Date Sampled: 04/02/2013 1155

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5361.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1331			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1331				

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	8.8		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: 480-35528-1

Client Sample ID: MW-2

Lab Sample ID: 480-35528-1

Date Sampled: 04/02/2013 1155

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5361.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1331			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1331				

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)	104		66 - 137
4-Bromofluorobenzene (Surr)	94		73 - 120
Toluene-d8 (Surr)	101		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-3

Lab Sample ID: 480-35528-2

Date Sampled: 04/02/2013 0830

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5362.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1355			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1355				

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	9.6		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	1.3		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: 480-35528-1

Client Sample ID: MW-3

Lab Sample ID: 480-35528-2

Date Sampled: 04/02/2013 0830

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5362.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1355			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1355				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	4.0		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Toluene-d8 (Surr)	99		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-4

Lab Sample ID: 480-35528-3

Client Matrix: Ground Water

Date Sampled: 04/02/2013 1145

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5363.D
Dilution:	40			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1419			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1419				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		33	40
1,1,2,2-Tetrachloroethane	ND		8.4	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	40
1,1,2-Trichloroethane	ND		9.2	40
1,1-Dichloroethane	850		15	40
1,1-Dichloroethene	160		12	40
1,2,4-Trichlorobenzene	ND		16	40
1,2-Dibromo-3-Chloropropane	ND		16	40
1,2-Dibromoethane	ND		29	40
1,2-Dichlorobenzene	ND		32	40
1,2-Dichloroethane	ND		8.4	40
1,2-Dichloropropane	ND		29	40
1,3-Dichlorobenzene	ND		31	40
1,4-Dichlorobenzene	ND		34	40
2-Butanone (MEK)	ND		53	400
2-Hexanone	ND		50	200
4-Methyl-2-pentanone (MIBK)	ND		84	200
Acetone	ND		120	400
Benzene	ND		16	40
Bromodichloromethane	ND		16	40
Bromoform	ND		10	40
Bromomethane	ND		28	40
Carbon disulfide	ND		7.6	40
Carbon tetrachloride	ND		11	40
Chlorobenzene	ND		30	40
Chloroethane	ND		13	40
Chloroform	ND		14	40
Chloromethane	ND		14	40
cis-1,2-Dichloroethene	34000	E	32	40
cis-1,3-Dichloropropene	ND		14	40
Cyclohexane	ND		7.2	40
Dibromochloromethane	ND		13	40
Dichlorodifluoromethane	ND		27	40
Ethylbenzene	ND		30	40
Isopropylbenzene	ND		32	40
Methyl acetate	ND		20	40
Methyl tert-butyl ether	ND		6.4	40
Methylcyclohexane	ND		6.4	40
Methylene Chloride	19	J	18	40
Styrene	ND		29	40
Tetrachloroethene	ND		14	40
Toluene	ND		20	40
trans-1,2-Dichloroethene	110		36	40
trans-1,3-Dichloropropene	ND		15	40
Trichloroethene	13000	E	18	40
Trichlorofluoromethane	ND		35	40

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-4

Lab Sample ID: 480-35528-3

Date Sampled: 04/02/2013 1145

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5363.D
Dilution:	40			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1419			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1419				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	480		36	40
Xylenes, Total	ND		26	80

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Toluene-d8 (Surr)	97		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-4

Lab Sample ID: 480-35528-3

Client Matrix: Ground Water

Date Sampled: 04/02/2013 1145

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111593	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5417.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	04/09/2013 0008	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/09/2013 0008				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		820	1000
1,1,2,2-Tetrachloroethane	ND		210	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		310	1000
1,1,2-Trichloroethane	ND		230	1000
1,1-Dichloroethane	600	J	380	1000
1,1-Dichloroethene	ND		290	1000
1,2,4-Trichlorobenzene	ND		410	1000
1,2-Dibromo-3-Chloropropane	ND		390	1000
1,2-Dibromoethane	ND		730	1000
1,2-Dichlorobenzene	ND		790	1000
1,2-Dichloroethane	ND		210	1000
1,2-Dichloropropane	ND		720	1000
1,3-Dichlorobenzene	ND		780	1000
1,4-Dichlorobenzene	ND		840	1000
2-Butanone (MEK)	ND		1300	10000
2-Hexanone	ND		1200	5000
4-Methyl-2-pentanone (MIBK)	ND		2100	5000
Acetone	ND		3000	10000
Benzene	ND		410	1000
Bromodichloromethane	ND		390	1000
Bromoform	ND		260	1000
Bromomethane	ND		690	1000
Carbon disulfide	ND		190	1000
Carbon tetrachloride	ND		270	1000
Chlorobenzene	ND		750	1000
Chloroethane	ND		320	1000
Chloroform	ND		340	1000
Chloromethane	ND		350	1000
cis-1,2-Dichloroethene	57000		810	1000
cis-1,3-Dichloropropene	ND		360	1000
Cyclohexane	ND		180	1000
Dibromochloromethane	ND		320	1000
Dichlorodifluoromethane	ND		680	1000
Ethylbenzene	ND		740	1000
Isopropylbenzene	ND		790	1000
Methyl acetate	ND		500	1000
Methyl tert-butyl ether	ND		160	1000
Methylcyclohexane	ND		160	1000
Methylene Chloride	ND		440	1000
Styrene	ND		730	1000
Tetrachloroethene	ND		360	1000
Toluene	ND		510	1000
trans-1,2-Dichloroethene	ND		900	1000
trans-1,3-Dichloropropene	ND		370	1000
Trichloroethene	12000		460	1000
Trichlorofluoromethane	ND		880	1000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-4

Lab Sample ID: 480-35528-3

Date Sampled: 04/02/2013 1145

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111593	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5417.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	04/09/2013 0008	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/09/2013 0008				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		900	1000
Xylenes, Total	ND		660	2000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		66 - 137
4-Bromofluorobenzene (Surr)	89		73 - 120
Toluene-d8 (Surr)	97		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-6

Lab Sample ID: 480-35528-4

Date Sampled: 04/02/2013 1315

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5364.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1443			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1443				

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: 480-35528-1

Client Sample ID: MW-6

Lab Sample ID: 480-35528-4

Date Sampled: 04/02/2013 1315

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5364.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1443			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1443				

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)	105		66 - 137
4-Bromofluorobenzene (Surr)	90		73 - 120
Toluene-d8 (Surr)	99		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-8R

Lab Sample ID: 480-35528-5

Date Sampled: 04/02/2013 1230

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111445	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5399.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2013 1537			Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 1537				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		820	1000
1,1,2,2-Tetrachloroethane	ND		210	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		310	1000
1,1,2-Trichloroethane	ND		230	1000
1,1-Dichloroethane	ND		380	1000
1,1-Dichloroethene	ND		290	1000
1,2,4-Trichlorobenzene	ND		410	1000
1,2-Dibromo-3-Chloropropane	ND		390	1000
1,2-Dibromoethane	ND		730	1000
1,2-Dichlorobenzene	ND		790	1000
1,2-Dichloroethane	ND		210	1000
1,2-Dichloropropane	ND		720	1000
1,3-Dichlorobenzene	ND		780	1000
1,4-Dichlorobenzene	ND		840	1000
2-Butanone (MEK)	ND		1300	10000
2-Hexanone	ND		1200	5000
4-Methyl-2-pentanone (MIBK)	ND		2100	5000
Acetone	ND		3000	10000
Benzene	ND		410	1000
Bromodichloromethane	ND		390	1000
Bromoform	ND		260	1000
Bromomethane	ND		690	1000
Carbon disulfide	ND		190	1000
Carbon tetrachloride	ND		270	1000
Chlorobenzene	ND		750	1000
Chloroethane	ND		320	1000
Chloroform	ND		340	1000
Chloromethane	ND		350	1000
cis-1,2-Dichloroethene	37000		810	1000
cis-1,3-Dichloropropene	ND		360	1000
Cyclohexane	ND		180	1000
Dibromochloromethane	ND		320	1000
Dichlorodifluoromethane	ND		680	1000
Ethylbenzene	ND		740	1000
Isopropylbenzene	ND		790	1000
Methyl acetate	ND		500	1000
Methyl tert-butyl ether	ND		160	1000
Methylcyclohexane	ND		160	1000
Methylene Chloride	ND		440	1000
Styrene	ND		730	1000
Tetrachloroethene	ND		360	1000
Toluene	ND		510	1000
trans-1,2-Dichloroethene	ND		900	1000
trans-1,3-Dichloropropene	ND		370	1000
Trichloroethene	64000		460	1000
Trichlorofluoromethane	ND		880	1000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-8R

Lab Sample ID: 480-35528-5

Date Sampled: 04/02/2013 1230

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111445	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5399.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2013 1537			Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 1537				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	1900		900	1000
Xylenes, Total	ND		660	2000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		66 - 137
4-Bromofluorobenzene (Surr)	93		73 - 120
Toluene-d8 (Surr)	99		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-9

Lab Sample ID: 480-35528-6

Client Matrix: Ground Water

Date Sampled: 04/02/2013 0930

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5366.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1530			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1530				

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	62		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	1.1		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	5.9		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	16		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: 480-35528-1

Client Sample ID: MW-9

Lab Sample ID: 480-35528-6

Date Sampled: 04/02/2013 0930

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5366.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1530			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1530				

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)	109		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Toluene-d8 (Surr)	100		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-10

Lab Sample ID: 480-35528-7

Date Sampled: 04/02/2013 1425

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5367.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1553			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1553				

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: 480-35528-1

Client Sample ID: MW-10

Lab Sample ID: 480-35528-7

Date Sampled: 04/02/2013 1425

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5367.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1553			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1553				

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)	105		66 - 137
4-Bromofluorobenzene (Surr)	87		73 - 120
Toluene-d8 (Surr)	95		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-11

Lab Sample ID: 480-35528-8

Date Sampled: 04/02/2013 1230

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5368.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1617			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1617				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.4		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	13		0.38	1.0
1,1-Dichloroethene	2.0		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	17		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	55		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: 480-35528-1

Client Sample ID: MW-11

Lab Sample ID: 480-35528-8

Date Sampled: 04/02/2013 1230

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5368.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1617			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1617				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	24		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		66 - 137
4-Bromofluorobenzene (Surr)	89		73 - 120
Toluene-d8 (Surr)	97		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-12

Lab Sample ID: 480-35528-9

Date Sampled: 04/02/2013 1515

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5369.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1641			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1641				

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	1.1		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	22		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: 480-35528-1

Client Sample ID: MW-12

Lab Sample ID: 480-35528-9

Date Sampled: 04/02/2013 1515

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5369.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1641			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1641				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	1.1		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		66 - 137
4-Bromofluorobenzene (Surr)	93		73 - 120
Toluene-d8 (Surr)	99		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-13S

Lab Sample ID: 480-35528-10

Client Matrix: Ground Water

Date Sampled: 04/02/2013 1050

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5370.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1704			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1704				

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	100	E	0.38	1.0
1,1-Dichloroethene	210	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	0.61	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	3.9		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	1600	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	0.42	J	0.36	1.0
Toluene	4.0		0.51	1.0
trans-1,2-Dichloroethene	53		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	2400	E	0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-13S

Lab Sample ID: 480-35528-10

Date Sampled: 04/02/2013 1050

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5370.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1704			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1704				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	140	E	0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		66 - 137
4-Bromofluorobenzene (Surr)	74		73 - 120
Toluene-d8 (Surr)	110		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-13S

Lab Sample ID: 480-35528-10

Client Matrix: Ground Water

Date Sampled: 04/02/2013 1050

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111593	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5418.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	04/09/2013 0031	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/09/2013 0031				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		820	1000
1,1,2,2-Tetrachloroethane	ND		210	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		310	1000
1,1,2-Trichloroethane	ND		230	1000
1,1-Dichloroethane	ND		380	1000
1,1-Dichloroethene	ND		290	1000
1,2,4-Trichlorobenzene	ND		410	1000
1,2-Dibromo-3-Chloropropane	ND		390	1000
1,2-Dibromoethane	ND		730	1000
1,2-Dichlorobenzene	ND		790	1000
1,2-Dichloroethane	ND		210	1000
1,2-Dichloropropane	ND		720	1000
1,3-Dichlorobenzene	ND		780	1000
1,4-Dichlorobenzene	ND		840	1000
2-Butanone (MEK)	ND		1300	10000
2-Hexanone	ND		1200	5000
4-Methyl-2-pentanone (MIBK)	ND		2100	5000
Acetone	ND		3000	10000
Benzene	ND		410	1000
Bromodichloromethane	ND		390	1000
Bromoform	ND		260	1000
Bromomethane	ND		690	1000
Carbon disulfide	ND		190	1000
Carbon tetrachloride	ND		270	1000
Chlorobenzene	ND		750	1000
Chloroethane	ND		320	1000
Chloroform	ND		340	1000
Chloromethane	ND		350	1000
cis-1,2-Dichloroethene	22000		810	1000
cis-1,3-Dichloropropene	ND		360	1000
Cyclohexane	ND		180	1000
Dibromochloromethane	ND		320	1000
Dichlorodifluoromethane	ND		680	1000
Ethylbenzene	ND		740	1000
Isopropylbenzene	ND		790	1000
Methyl acetate	ND		500	1000
Methyl tert-butyl ether	ND		160	1000
Methylcyclohexane	ND		160	1000
Methylene Chloride	ND		440	1000
Styrene	ND		730	1000
Tetrachloroethene	ND		360	1000
Toluene	ND		510	1000
trans-1,2-Dichloroethene	ND		900	1000
trans-1,3-Dichloropropene	ND		370	1000
Trichloroethene	40000		460	1000
Trichlorofluoromethane	ND		880	1000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-13S

Lab Sample ID: 480-35528-10

Date Sampled: 04/02/2013 1050

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111593	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5418.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	04/09/2013 0031	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/09/2013 0031				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		900	1000
Xylenes, Total	ND		660	2000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		66 - 137
4-Bromofluorobenzene (Surr)	90		73 - 120
Toluene-d8 (Surr)	97		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-13D

Lab Sample ID: 480-35528-11

Date Sampled: 04/02/2013 1130

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111445	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5401.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2013 1624			Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 1624				

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	44		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	53		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-13D

Lab Sample ID: 480-35528-11

Date Sampled: 04/02/2013 1130

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111445	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5401.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2013 1624			Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 1624				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	2.9		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Toluene-d8 (Surr)	100		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-14S

Lab Sample ID: 480-35528-12

Date Sampled: 04/02/2013 1545

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111445	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5402.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2013 1648			Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 1648				

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	3.1	J	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: 480-35528-1

Client Sample ID: MW-14S

Lab Sample ID: 480-35528-12

Date Sampled: 04/02/2013 1545

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111445	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5402.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2013 1648			Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 1648				

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)	105		66 - 137
4-Bromofluorobenzene (Surr)	95		73 - 120
Toluene-d8 (Surr)	100		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-14D

Lab Sample ID: 480-35528-13

Client Matrix: Ground Water

Date Sampled: 04/02/2013 1620

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5373.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1815			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1815				

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	21		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	0.83	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	1.3		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	4.6		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	28		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	0.99	J	0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-14D

Lab Sample ID: 480-35528-13

Date Sampled: 04/02/2013 1620

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5373.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1815			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1815				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	19		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		66 - 137
4-Bromofluorobenzene (Surr)	88		73 - 120
Toluene-d8 (Surr)	96		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-15S

Lab Sample ID: 480-35528-14

Client Matrix: Ground Water

Date Sampled: 04/02/2013 1330

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5374.D
Dilution:	20			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1839			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1839				

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	780		7.6	20
1,1-Dichloroethene	19	J	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)	240		26	200
2-Hexanone	ND		25	100
4-Methyl-2-pentanone (MIBK)	ND		42	100
Acetone	1400		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	560		6.4	20
Chloroform	ND		6.8	20
Chloromethane	ND		7.0	20
cis-1,2-Dichloroethene	1100		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	12	J	8.8	20
Styrene	ND		15	20
Tetrachloroethene	ND		7.2	20
Toluene	140		10	20
trans-1,2-Dichloroethene	ND		18	20
trans-1,3-Dichloropropene	ND		7.4	20
Trichloroethene	140		9.2	20
Trichlorofluoromethane	ND		18	20

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-15S

Lab Sample ID: 480-35528-14

Date Sampled: 04/02/2013 1330

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5374.D
Dilution:	20			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1839			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1839				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	420		18	20
Xylenes, Total	19	J	13	40

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		66 - 137
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	98		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-15D

Lab Sample ID: 480-35528-15

Client Matrix: Ground Water

Date Sampled: 04/03/2013 1500

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5375.D
Dilution:	8.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1902			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1902				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		6.6	8.0
1,1,2,2-Tetrachloroethane	ND		1.7	8.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.5	8.0
1,1,2-Trichloroethane	ND		1.8	8.0
1,1-Dichloroethane	16		3.0	8.0
1,1-Dichloroethene	ND		2.3	8.0
1,2,4-Trichlorobenzene	ND		3.3	8.0
1,2-Dibromo-3-Chloropropane	ND		3.1	8.0
1,2-Dibromoethane	ND		5.8	8.0
1,2-Dichlorobenzene	ND		6.3	8.0
1,2-Dichloroethane	ND		1.7	8.0
1,2-Dichloropropane	ND		5.8	8.0
1,3-Dichlorobenzene	ND		6.2	8.0
1,4-Dichlorobenzene	ND		6.7	8.0
2-Butanone (MEK)	ND		11	80
2-Hexanone	ND		9.9	40
4-Methyl-2-pentanone (MIBK)	ND		17	40
Acetone	ND		24	80
Benzene	ND		3.3	8.0
Bromodichloromethane	ND		3.1	8.0
Bromoform	ND		2.1	8.0
Bromomethane	ND		5.5	8.0
Carbon disulfide	ND		1.5	8.0
Carbon tetrachloride	ND		2.2	8.0
Chlorobenzene	ND		6.0	8.0
Chloroethane	1400	E	2.6	8.0
Chloroform	ND		2.7	8.0
Chloromethane	ND		2.8	8.0
cis-1,2-Dichloroethene	ND		6.5	8.0
cis-1,3-Dichloropropene	ND		2.9	8.0
Cyclohexane	ND		1.4	8.0
Dibromochloromethane	ND		2.6	8.0
Dichlorodifluoromethane	ND		5.4	8.0
Ethylbenzene	ND		5.9	8.0
Isopropylbenzene	ND		6.3	8.0
Methyl acetate	ND		4.0	8.0
Methyl tert-butyl ether	ND		1.3	8.0
Methylcyclohexane	ND		1.3	8.0
Methylene Chloride	4.1	J	3.5	8.0
Styrene	ND		5.8	8.0
Tetrachloroethene	ND		2.9	8.0
Toluene	ND		4.1	8.0
trans-1,2-Dichloroethene	ND		7.2	8.0
trans-1,3-Dichloropropene	ND		3.0	8.0
Trichloroethene	ND		3.7	8.0
Trichlorofluoromethane	ND		7.0	8.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-15D

Lab Sample ID: 480-35528-15

Date Sampled: 04/03/2013 1500

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5375.D
Dilution:	8.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1902			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1902				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	240		7.2	8.0
Xylenes, Total	ND		5.3	16

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Toluene-d8 (Surr)	98		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-15D

Lab Sample ID: 480-35528-15

Client Matrix: Ground Water

Date Sampled: 04/03/2013 1500

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111445	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5403.D
Dilution:	20			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2013 1711	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 1711				

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	19	J	7.6	20
1,1-Dichloroethene	ND		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)	ND		26	200
2-Hexanone	ND		25	100
4-Methyl-2-pentanone (MIBK)	ND		42	100
Acetone	ND		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	1900		6.4	20
Chloroform	ND		6.8	20
Chloromethane	ND		7.0	20
cis-1,2-Dichloroethene	ND		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	ND		10	20
trans-1,2-Dichloroethene	ND		18	20
trans-1,3-Dichloropropene	ND		7.4	20
Trichloroethene	ND		9.2	20
Trichlorofluoromethane	ND		18	20

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-15D

Lab Sample ID: 480-35528-15

Date Sampled: 04/03/2013 1500

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111445	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5403.D
Dilution:	20			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2013 1711	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 1711				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	250		18	20
Xylenes, Total	ND		13	40

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		66 - 137
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	101		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-16S

Lab Sample ID: 480-35528-16

Client Matrix: Ground Water

Date Sampled: 04/03/2013 1020

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5376.D
Dilution:	4000			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1926			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1926				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		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	1500	J	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	82000		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	3100	J	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	230000		1800	4000
Trichlorofluoromethane	ND		3500	4000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-16S

Lab Sample ID: 480-35528-16

Date Sampled: 04/03/2013 1020

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5376.D
Dilution:	4000			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1926			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1926				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	7300		3600	4000
Xylenes, Total	ND		2600	8000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Toluene-d8 (Surr)	97		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-16D

Lab Sample ID: 480-35528-17

Client Matrix: Ground Water

Date Sampled: 04/03/2013 1100

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5377.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1950			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1950				

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	0.23	J	0.23	1.0
1,1-Dichloroethane	200	E	0.38	1.0
1,1-Dichloroethene	9.4		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)	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	140	E	0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	920	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	0.56	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	17		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	57		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-16D

Lab Sample ID: 480-35528-17

Date Sampled: 04/03/2013 1100

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5377.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 1950			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 1950				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	720	E	0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		66 - 137
4-Bromofluorobenzene (Surr)	88		73 - 120
Toluene-d8 (Surr)	97		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-16D

Lab Sample ID: 480-35528-17

Date Sampled: 04/03/2013 1100

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111593	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5419.D
Dilution:	50			Initial Weight/Volume:	5 mL
Analysis Date:	04/09/2013 0055	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/09/2013 0055				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		41	50
1,1,2,2-Tetrachloroethane	ND		11	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		16	50
1,1,2-Trichloroethane	ND		12	50
1,1-Dichloroethane	260		19	50
1,1-Dichloroethene	ND		15	50
1,2,4-Trichlorobenzene	ND		21	50
1,2-Dibromo-3-Chloropropane	ND		20	50
1,2-Dibromoethane	ND		37	50
1,2-Dichlorobenzene	ND		40	50
1,2-Dichloroethane	ND		11	50
1,2-Dichloropropane	ND		36	50
1,3-Dichlorobenzene	ND		39	50
1,4-Dichlorobenzene	ND		42	50
2-Butanone (MEK)	ND		66	500
2-Hexanone	ND		62	250
4-Methyl-2-pentanone (MIBK)	ND		110	250
Acetone	ND		150	500
Benzene	ND		21	50
Bromodichloromethane	ND		20	50
Bromoform	ND		13	50
Bromomethane	ND		35	50
Carbon disulfide	ND		9.5	50
Carbon tetrachloride	ND		14	50
Chlorobenzene	ND		38	50
Chloroethane	190		16	50
Chloroform	ND		17	50
Chloromethane	ND		18	50
cis-1,2-Dichloroethene	2900		41	50
cis-1,3-Dichloropropene	ND		18	50
Cyclohexane	ND		9.0	50
Dibromochloromethane	ND		16	50
Dichlorodifluoromethane	ND		34	50
Ethylbenzene	ND		37	50
Isopropylbenzene	ND		40	50
Methyl acetate	ND		25	50
Methyl tert-butyl ether	ND		8.0	50
Methylcyclohexane	ND		8.0	50
Methylene Chloride	ND		22	50
Styrene	ND		37	50
Tetrachloroethene	ND		18	50
Toluene	ND		26	50
trans-1,2-Dichloroethene	ND		45	50
trans-1,3-Dichloropropene	ND		19	50
Trichloroethene	69		23	50
Trichlorofluoromethane	ND		44	50

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: MW-16D

Lab Sample ID: 480-35528-17

Date Sampled: 04/03/2013 1100

Client Matrix: Ground Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111593	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5419.D
Dilution:	50			Initial Weight/Volume:	5 mL
Analysis Date:	04/09/2013 0055	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/09/2013 0055				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	1100		45	50
Xylenes, Total	ND		33	100

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		66 - 137
4-Bromofluorobenzene (Surr)	93		73 - 120
Toluene-d8 (Surr)	100		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: Rinse

Lab Sample ID: 480-35528-18RB

Client Matrix: Water

Date Sampled: 04/01/2013 0730

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5378.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 2014			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 2014				

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: 480-35528-1

Client Sample ID: Rinse

Lab Sample ID: 480-35528-18RB

Date Sampled: 04/01/2013 0730

Client Matrix: Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5378.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 2014			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 2014				

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)	108		66 - 137
4-Bromofluorobenzene (Surr)	89		73 - 120
Toluene-d8 (Surr)	95		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: Duplicate

Lab Sample ID: 480-35528-19FD

Client Matrix: Water

Date Sampled: 04/02/2013 1230

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111445	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5405.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2013 1758			Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 1758				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		820	1000
1,1,2,2-Tetrachloroethane	ND		210	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		310	1000
1,1,2-Trichloroethane	ND		230	1000
1,1-Dichloroethane	ND		380	1000
1,1-Dichloroethene	ND		290	1000
1,2,4-Trichlorobenzene	ND		410	1000
1,2-Dibromo-3-Chloropropane	ND		390	1000
1,2-Dibromoethane	ND		730	1000
1,2-Dichlorobenzene	ND		790	1000
1,2-Dichloroethane	ND		210	1000
1,2-Dichloropropane	ND		720	1000
1,3-Dichlorobenzene	ND		780	1000
1,4-Dichlorobenzene	ND		840	1000
2-Butanone (MEK)	ND		1300	10000
2-Hexanone	ND		1200	5000
4-Methyl-2-pentanone (MIBK)	ND		2100	5000
Acetone	ND		3000	10000
Benzene	ND		410	1000
Bromodichloromethane	ND		390	1000
Bromoform	ND		260	1000
Bromomethane	ND		690	1000
Carbon disulfide	ND		190	1000
Carbon tetrachloride	ND		270	1000
Chlorobenzene	ND		750	1000
Chloroethane	ND		320	1000
Chloroform	ND		340	1000
Chloromethane	ND		350	1000
cis-1,2-Dichloroethene	23000		810	1000
cis-1,3-Dichloropropene	ND		360	1000
Cyclohexane	ND		180	1000
Dibromochloromethane	ND		320	1000
Dichlorodifluoromethane	ND		680	1000
Ethylbenzene	ND		740	1000
Isopropylbenzene	ND		790	1000
Methyl acetate	ND		500	1000
Methyl tert-butyl ether	ND		160	1000
Methylcyclohexane	ND		160	1000
Methylene Chloride	500	J	440	1000
Styrene	ND		730	1000
Tetrachloroethene	ND		360	1000
Toluene	ND		510	1000
trans-1,2-Dichloroethene	ND		900	1000
trans-1,3-Dichloropropene	ND		370	1000
Trichloroethene	42000		460	1000
Trichlorofluoromethane	ND		880	1000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: Duplicate

Lab Sample ID: 480-35528-19FD

Date Sampled: 04/02/2013 1230

Client Matrix: Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111445	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5405.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2013 1758			Final Weight/Volume:	5 mL
Prep Date:	04/08/2013 1758				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		900	1000
Xylenes, Total	ND		660	2000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		66 - 137
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	98		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35528-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-35528-20TB

Date Sampled: 04/01/2013 0800

Client Matrix: Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5380.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 2102			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 2102				

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: 480-35528-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-35528-20TB

Date Sampled: 04/01/2013 0800

Client Matrix: Water

Date Received: 04/03/2013 1535

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-111319	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5380.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2013 2102			Final Weight/Volume:	5 mL
Prep Date:	04/06/2013 2102				

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)	108		66 - 137
4-Bromofluorobenzene (Surr)	89		73 - 120
Toluene-d8 (Surr)	98		71 - 126

Client: AECOM, Inc.

Job Number: 480-35528-1

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

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-35528-1	MW-2	104	101	94
480-35528-2	MW-3	105	99	91
480-35528-3	MW-4	107	97	91
480-35528-3 DL	MW-4 DL	102	97	89
480-35528-4	MW-6	105	99	90
480-35528-5	MW-8R	103	99	93
480-35528-6	MW-9	109	100	91
480-35528-7	MW-10	105	95	87
480-35528-8	MW-11	108	97	89
480-35528-9	MW-12	110	99	93
480-35528-10	MW-13S	102	110	74
480-35528-10 DL	MW-13S DL	100	97	90
480-35528-11	MW-13D	105	100	91
480-35528-12	MW-14S	105	100	95
480-35528-13	MW-14D	109	96	88
480-35528-14	MW-15S	107	98	92
480-35528-15	MW-15D	104	98	91
480-35528-15 DL	MW-15D DL	104	101	92
480-35528-16	MW-16S	105	97	91
480-35528-17	MW-16D	105	97	88
480-35528-17 DL	MW-16D DL	102	100	93
480-35528-18	Rinse	108	95	89
480-35528-19	Duplicate	104	98	92
480-35528-20	Trip Blank	108	98	89
MB 480-111319/5		104	98	91
MB 480-111445/6		100	95	91
MB 480-111593/5		100	97	90
LCS 480-111319/4		103	99	91
LCS 480-111445/5		99	100	91

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: 480-35528-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
LCS 480-111593/4		101	97	94

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: 480-35528-1

Method Blank - Batch: 480-111319

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-111319/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 04/06/2013 1132
 Prep Date: 04/06/2013 1132
 Leach Date: N/A

Analysis Batch: 480-111319
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973N
 Lab File ID: N5360.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: 480-35528-1

Method Blank - Batch: 480-111319

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-111319/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/06/2013 1132
Prep Date: 04/06/2013 1132
Leach Date: N/A

Analysis Batch: 480-111319
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973N
Lab File ID: N5360.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

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)	104	66 - 137
4-Bromofluorobenzene (Surr)	91	73 - 120
Toluene-d8 (Surr)	98	71 - 126

Lab Control Sample - Batch: 480-111319

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 480-111319/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/06/2013 1108
Prep Date: 04/06/2013 1108
Leach Date: N/A

Analysis Batch: 480-111319
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973N
Lab File ID: N5359.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	22.5	90	71 - 129	
1,1-Dichloroethene	25.0	19.0	76	58 - 121	
1,2-Dichlorobenzene	25.0	23.3	93	80 - 124	
1,2-Dichloroethane	25.0	22.7	91	75 - 127	
Benzene	25.0	23.7	95	71 - 124	
Chlorobenzene	25.0	23.6	94	72 - 120	
cis-1,2-Dichloroethene	25.0	24.1	96	74 - 124	
Ethylbenzene	25.0	23.4	94	77 - 123	
Methyl tert-butyl ether	25.0	22.0	88	64 - 127	
Tetrachloroethene	25.0	21.1	84	74 - 122	
Toluene	25.0	22.6	91	80 - 122	
trans-1,2-Dichloroethene	25.0	23.7	95	73 - 127	
Trichloroethene	25.0	22.6	90	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	66 - 137
4-Bromofluorobenzene (Surr)	91	73 - 120
Toluene-d8 (Surr)	99	71 - 126

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-35528-1

Method Blank - Batch: 480-111445

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-111445/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/08/2013 1101
Prep Date: 04/08/2013 1101
Leach Date: N/A

Analysis Batch: 480-111445
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973N
Lab File ID: N5388.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: 480-35528-1

Method Blank - Batch: 480-111445

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-111445/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/08/2013 1101
Prep Date: 04/08/2013 1101
Leach Date: N/A

Analysis Batch: 480-111445
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973N
Lab File ID: N5388.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

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)	100	66 - 137
4-Bromofluorobenzene (Surr)	91	73 - 120
Toluene-d8 (Surr)	95	71 - 126

Lab Control Sample - Batch: 480-111445

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 480-111445/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/08/2013 1037
Prep Date: 04/08/2013 1037
Leach Date: N/A

Analysis Batch: 480-111445
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973N
Lab File ID: N5387.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	22.9	91	71 - 129	
1,1-Dichloroethene	25.0	20.8	83	58 - 121	
1,2-Dichlorobenzene	25.0	25.5	102	80 - 124	
1,2-Dichloroethane	25.0	24.0	96	75 - 127	
Benzene	25.0	24.6	98	71 - 124	
Chlorobenzene	25.0	24.8	99	72 - 120	
cis-1,2-Dichloroethene	25.0	23.8	95	74 - 124	
Ethylbenzene	25.0	24.2	97	77 - 123	
Methyl tert-butyl ether	25.0	22.7	91	64 - 127	
Tetrachloroethene	25.0	23.8	95	74 - 122	
Toluene	25.0	24.0	96	80 - 122	
trans-1,2-Dichloroethene	25.0	25.2	101	73 - 127	
Trichloroethene	25.0	23.6	94	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	66 - 137
4-Bromofluorobenzene (Surr)	91	73 - 120
Toluene-d8 (Surr)	100	71 - 126

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-35528-1

Method Blank - Batch: 480-111593

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-111593/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/08/2013 2213
Prep Date: 04/08/2013 2213
Leach Date: N/A

Analysis Batch: 480-111593
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973N
Lab File ID: N5413.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: 480-35528-1

Method Blank - Batch: 480-111593

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-111593/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/08/2013 2213
Prep Date: 04/08/2013 2213
Leach Date: N/A

Analysis Batch: 480-111593
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973N
Lab File ID: N5413.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

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)	100	66 - 137
4-Bromofluorobenzene (Surr)	90	73 - 120
Toluene-d8 (Surr)	97	71 - 126

Lab Control Sample - Batch: 480-111593

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 480-111593/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/08/2013 2149
Prep Date: 04/08/2013 2149
Leach Date: N/A

Analysis Batch: 480-111593
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973N
Lab File ID: N5412.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	23.6	94	71 - 129	
1,1-Dichloroethene	25.0	21.5	86	58 - 121	
1,2-Dichlorobenzene	25.0	24.5	98	80 - 124	
1,2-Dichloroethane	25.0	24.3	97	75 - 127	
Benzene	25.0	25.2	101	71 - 124	
Chlorobenzene	25.0	25.4	102	72 - 120	
cis-1,2-Dichloroethene	25.0	24.8	99	74 - 124	
Ethylbenzene	25.0	24.8	99	77 - 123	
Methyl tert-butyl ether	25.0	23.1	93	64 - 127	
Tetrachloroethene	25.0	23.7	95	74 - 122	
Toluene	25.0	23.9	96	80 - 122	
trans-1,2-Dichloroethene	25.0	25.9	104	73 - 127	
Trichloroethene	25.0	24.6	98	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	66 - 137
4-Bromofluorobenzene (Surr)	94	73 - 120
Toluene-d8 (Surr)	97	71 - 126

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 480-35528-1

Lab Section	Qualifier	Description
GC/MS VOA	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: 480-35528-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-111319					
LCS 480-111319/4	Lab Control Sample	T	Water	8260B	
MB 480-111319/5	Method Blank	T	Water	8260B	
480-35528-1	MW-2	T	Water	8260B	
480-35528-2	MW-3	T	Water	8260B	
480-35528-3	MW-4	T	Water	8260B	
480-35528-4	MW-6	T	Water	8260B	
480-35528-6	MW-9	T	Water	8260B	
480-35528-7	MW-10	T	Water	8260B	
480-35528-8	MW-11	T	Water	8260B	
480-35528-9	MW-12	T	Water	8260B	
480-35528-10	MW-13S	T	Water	8260B	
480-35528-13	MW-14D	T	Water	8260B	
480-35528-14	MW-15S	T	Water	8260B	
480-35528-15	MW-15D	T	Water	8260B	
480-35528-16	MW-16S	T	Water	8260B	
480-35528-17	MW-16D	T	Water	8260B	
480-35528-18RB	Rinse	T	Water	8260B	
480-35528-20TB	Trip Blank	T	Water	8260B	
Analysis Batch:480-111445					
LCS 480-111445/5	Lab Control Sample	T	Water	8260B	
MB 480-111445/6	Method Blank	T	Water	8260B	
480-35528-5	MW-8R	T	Water	8260B	
480-35528-11	MW-13D	T	Water	8260B	
480-35528-12	MW-14S	T	Water	8260B	
480-35528-15DL	MW-15D	T	Water	8260B	
480-35528-19FD	Duplicate	T	Water	8260B	
Analysis Batch:480-111593					
LCS 480-111593/4	Lab Control Sample	T	Water	8260B	
MB 480-111593/5	Method Blank	T	Water	8260B	
480-35528-3DL	MW-4	T	Water	8260B	
480-35528-10DL	MW-13S	T	Water	8260B	
480-35528-17DL	MW-16D	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-35528-1

Laboratory Chronicle

Lab ID: 480-35528-1

Client ID: MW-2

Sample Date/Time: 04/02/2013 11:55

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-A-1		480-111319		04/06/2013 13:31	1	TAL BUF	LH
A:8260B	480-35528-A-1		480-111319		04/06/2013 13:31	1	TAL BUF	LH

Lab ID: 480-35528-2

Client ID: MW-3

Sample Date/Time: 04/02/2013 08:30

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-A-2		480-111319		04/06/2013 13:55	1	TAL BUF	LH
A:8260B	480-35528-A-2		480-111319		04/06/2013 13:55	1	TAL BUF	LH

Lab ID: 480-35528-3

Client ID: MW-4

Sample Date/Time: 04/02/2013 11:45

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-A-3		480-111319		04/06/2013 14:19	40	TAL BUF	LH
A:8260B	480-35528-A-3		480-111319		04/06/2013 14:19	40	TAL BUF	LH
P:5030B	480-35528-C-3	DL	480-111593		04/09/2013 00:08	1000	TAL BUF	RJ
A:8260B	480-35528-C-3	DL	480-111593		04/09/2013 00:08	1000	TAL BUF	RJ

Lab ID: 480-35528-4

Client ID: MW-6

Sample Date/Time: 04/02/2013 13:15

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-A-4		480-111319		04/06/2013 14:43	1	TAL BUF	LH
A:8260B	480-35528-A-4		480-111319		04/06/2013 14:43	1	TAL BUF	LH

Lab ID: 480-35528-5

Client ID: MW-8R

Sample Date/Time: 04/02/2013 12:30

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-B-5		480-111445		04/08/2013 15:37	1000	TAL BUF	RL
A:8260B	480-35528-B-5		480-111445		04/08/2013 15:37	1000	TAL BUF	RL

Lab ID: 480-35528-6

Client ID: MW-9

Sample Date/Time: 04/02/2013 09:30

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-A-6		480-111319		04/06/2013 15:30	1	TAL BUF	LH
A:8260B	480-35528-A-6		480-111319		04/06/2013 15:30	1	TAL BUF	LH

TestAmerica Buffalo

A = Analytical Method P = Prep Method

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-35528-1

Laboratory Chronicle

Lab ID: 480-35528-7

Client ID: MW-10

Sample Date/Time: 04/02/2013 14:25

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-A-7		480-111319		04/06/2013 15:53	1	TAL BUF	LH
A:8260B	480-35528-A-7		480-111319		04/06/2013 15:53	1	TAL BUF	LH

Lab ID: 480-35528-8

Client ID: MW-11

Sample Date/Time: 04/02/2013 12:30

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-A-8		480-111319		04/06/2013 16:17	1	TAL BUF	LH
A:8260B	480-35528-A-8		480-111319		04/06/2013 16:17	1	TAL BUF	LH

Lab ID: 480-35528-9

Client ID: MW-12

Sample Date/Time: 04/02/2013 15:15

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-A-9		480-111319		04/06/2013 16:41	1	TAL BUF	LH
A:8260B	480-35528-A-9		480-111319		04/06/2013 16:41	1	TAL BUF	LH

Lab ID: 480-35528-10

Client ID: MW-13S

Sample Date/Time: 04/02/2013 10:50

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-A-10		480-111319		04/06/2013 17:04	1	TAL BUF	LH
A:8260B	480-35528-A-10		480-111319		04/06/2013 17:04	1	TAL BUF	LH
P:5030B	480-35528-C-10	DL	480-111593		04/09/2013 00:31	1000	TAL BUF	RJ
A:8260B	480-35528-C-10	DL	480-111593		04/09/2013 00:31	1000	TAL BUF	RJ

Lab ID: 480-35528-11

Client ID: MW-13D

Sample Date/Time: 04/02/2013 11:30

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-B-11		480-111445		04/08/2013 16:24	1	TAL BUF	RL
A:8260B	480-35528-B-11		480-111445		04/08/2013 16:24	1	TAL BUF	RL

Lab ID: 480-35528-12

Client ID: MW-14S

Sample Date/Time: 04/02/2013 15:45

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-B-12		480-111445		04/08/2013 16:48	1	TAL BUF	RL
A:8260B	480-35528-B-12		480-111445		04/08/2013 16:48	1	TAL BUF	RL

TestAmerica Buffalo

A = Analytical Method P = Prep Method

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-35528-1

Laboratory Chronicle

Lab ID: 480-35528-13

Client ID: MW-14D

Sample Date/Time: 04/02/2013 16:20

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-A-13		480-111319		04/06/2013 18:15	1	TAL BUF	LH
A:8260B	480-35528-A-13		480-111319		04/06/2013 18:15	1	TAL BUF	LH

Lab ID: 480-35528-14

Client ID: MW-15S

Sample Date/Time: 04/02/2013 13:30

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-A-14		480-111319		04/06/2013 18:39	20	TAL BUF	LH
A:8260B	480-35528-A-14		480-111319		04/06/2013 18:39	20	TAL BUF	LH

Lab ID: 480-35528-15

Client ID: MW-15D

Sample Date/Time: 04/03/2013 15:00

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-A-15		480-111319		04/06/2013 19:02	8	TAL BUF	LH
A:8260B	480-35528-A-15		480-111319		04/06/2013 19:02	8	TAL BUF	LH
P:5030B	480-35528-B-15	DL	480-111445		04/08/2013 17:11	20	TAL BUF	RL
A:8260B	480-35528-B-15	DL	480-111445		04/08/2013 17:11	20	TAL BUF	RL

Lab ID: 480-35528-16

Client ID: MW-16S

Sample Date/Time: 04/03/2013 10:20

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-A-16		480-111319		04/06/2013 19:26	4000	TAL BUF	LH
A:8260B	480-35528-A-16		480-111319		04/06/2013 19:26	4000	TAL BUF	LH

Lab ID: 480-35528-17

Client ID: MW-16D

Sample Date/Time: 04/03/2013 11:00

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-A-17		480-111319		04/06/2013 19:50	1	TAL BUF	LH
A:8260B	480-35528-A-17		480-111319		04/06/2013 19:50	1	TAL BUF	LH
P:5030B	480-35528-C-17	DL	480-111593		04/09/2013 00:55	50	TAL BUF	RJ
A:8260B	480-35528-C-17	DL	480-111593		04/09/2013 00:55	50	TAL BUF	RJ

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-35528-1

Laboratory Chronicle

Lab ID: 480-35528-18

Client ID: Rinse

Sample Date/Time: 04/01/2013 07:30

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-A-18		480-111319		04/06/2013 20:14	1	TAL BUF	LH
A:8260B	480-35528-A-18		480-111319		04/06/2013 20:14	1	TAL BUF	LH

Lab ID: 480-35528-19

Client ID: Duplicate

Sample Date/Time: 04/02/2013 12:30

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-B-19		480-111445		04/08/2013 17:58	1000	TAL BUF	RL
A:8260B	480-35528-B-19		480-111445		04/08/2013 17:58	1000	TAL BUF	RL

Lab ID: 480-35528-20

Client ID: Trip Blank

Sample Date/Time: 04/01/2013 08:00

Received Date/Time: 04/03/2013 15:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35528-A-20		480-111319		04/06/2013 21:02	1	TAL BUF	LH
A:8260B	480-35528-A-20		480-111319		04/06/2013 21:02	1	TAL BUF	LH

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 480-111319/5		480-111319		04/06/2013 11:32	1	TAL BUF	LH
A:8260B	MB 480-111319/5		480-111319		04/06/2013 11:32	1	TAL BUF	LH
P:5030B	MB 480-111445/6		480-111445		04/08/2013 11:01	1	TAL BUF	RL
A:8260B	MB 480-111445/6		480-111445		04/08/2013 11:01	1	TAL BUF	RL
P:5030B	MB 480-111593/5		480-111593		04/08/2013 22:13	1	TAL BUF	RJ
A:8260B	MB 480-111593/5		480-111593		04/08/2013 22:13	1	TAL BUF	RJ

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-35528-1

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 480-111319/4		480-111319		04/06/2013 11:08	1	TAL BUF	LH
A:8260B	LCS 480-111319/4		480-111319		04/06/2013 11:08	1	TAL BUF	LH
P:5030B	LCS 480-111445/5		480-111445		04/08/2013 10:37	1	TAL BUF	RL
A:8260B	LCS 480-111445/5		480-111445		04/08/2013 10:37	1	TAL BUF	RL
P:5030B	LCS 480-111593/4		480-111593		04/08/2013 21:49	1	TAL BUF	RJ
A:8260B	LCS 480-111593/4		480-111593		04/08/2013 21:49	1	TAL BUF	RJ

Lab References:

TAL BUF = TestAmerica Buffalo

Certification Summary

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

TestAmerica Job ID: 480-35528-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAP	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAP	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAP	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAP	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAP	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
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	NELAP	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAP	1	2337
TestAmerica Buffalo	New Hampshire	NELAP	1	2973
TestAmerica Buffalo	New Jersey	NELAP	2	NY455
TestAmerica Buffalo	New York	NELAP	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAP	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAP	3	68-00281
TestAmerica Buffalo	Rhode Island	State Program	1	LAO00328
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAP	6	T104704412-11-2
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAP	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
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.: 480-35528-1

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	480-35528-1	104	101	94
MW-3	480-35528-2	105	99	91
MW-4	480-35528-3	107	97	91
MW-4 DL	480-35528-3 DL	102	97	89
MW-6	480-35528-4	105	99	90
MW-8R	480-35528-5	103	99	93
MW-9	480-35528-6	109	100	91
MW-10	480-35528-7	105	95	87
MW-11	480-35528-8	108	97	89
MW-12	480-35528-9	110	99	93
MW-13S	480-35528-10	102	110	74
MW-13S DL	480-35528-10 DL	100	97	90
MW-13D	480-35528-11	105	100	91
MW-14S	480-35528-12	105	100	95
MW-14D	480-35528-13	109	96	88
MW-15S	480-35528-14	107	98	92
MW-15D	480-35528-15	104	98	91
MW-15D DL	480-35528-15 DL	104	101	92
MW-16S	480-35528-16	105	97	91
MW-16D	480-35528-17	105	97	88
MW-16D DL	480-35528-17 DL	102	100	93
Rinse	480-35528-18	108	95	89
Duplicate	480-35528-19	104	98	92
Trip Blank	480-35528-20	108	98	89
	MB 480-111319/5	104	98	91
	MB 480-111445/6	100	95	91
	MB 480-111593/5	100	97	90
	LCS 480-111319/4	103	99	91
	LCS 480-111445/5	99	100	91
	LCS 480-111593/4	101	97	94

QC LIMITS

DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

66-137
71-126
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.: 480-35528-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N5359.D
 Lab ID: LCS 480-111319/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	22.5	90	71-129	
1,1-Dichloroethene	25.0	19.0	76	58-121	
1,2-Dichlorobenzene	25.0	23.3	93	80-124	
1,2-Dichloroethane	25.0	22.7	91	75-127	
Benzene	25.0	23.7	95	71-124	
Chlorobenzene	25.0	23.6	94	72-120	
cis-1,2-Dichloroethene	25.0	24.1	96	74-124	
Ethylbenzene	25.0	23.4	94	77-123	
Methyl tert-butyl ether	25.0	22.0	88	64-127	
Tetrachloroethene	25.0	21.1	84	74-122	
Toluene	25.0	22.6	91	80-122	
trans-1,2-Dichloroethene	25.0	23.7	95	73-127	
Trichloroethene	25.0	22.6	90	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.: 480-35528-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N5387.D
 Lab ID: LCS 480-111445/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	22.9	91	71-129	
1,1-Dichloroethene	25.0	20.8	83	58-121	
1,2-Dichlorobenzene	25.0	25.5	102	80-124	
1,2-Dichloroethane	25.0	24.0	96	75-127	
Benzene	25.0	24.6	98	71-124	
Chlorobenzene	25.0	24.8	99	72-120	
cis-1,2-Dichloroethene	25.0	23.8	95	74-124	
Ethylbenzene	25.0	24.2	97	77-123	
Methyl tert-butyl ether	25.0	22.7	91	64-127	
Tetrachloroethene	25.0	23.8	95	74-122	
Toluene	25.0	24.0	96	80-122	
trans-1,2-Dichloroethene	25.0	25.2	101	73-127	
Trichloroethene	25.0	23.6	94	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.: 480-35528-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N5412.D
 Lab ID: LCS 480-111593/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	23.6	94	71-129	
1,1-Dichloroethene	25.0	21.5	86	58-121	
1,2-Dichlorobenzene	25.0	24.5	98	80-124	
1,2-Dichloroethane	25.0	24.3	97	75-127	
Benzene	25.0	25.2	101	71-124	
Chlorobenzene	25.0	25.4	102	72-120	
cis-1,2-Dichloroethene	25.0	24.8	99	74-124	
Ethylbenzene	25.0	24.8	99	77-123	
Methyl tert-butyl ether	25.0	23.1	93	64-127	
Tetrachloroethene	25.0	23.7	95	74-122	
Toluene	25.0	23.9	96	80-122	
trans-1,2-Dichloroethene	25.0	25.9	104	73-127	
Trichloroethene	25.0	24.6	98	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.: 480-35528-1
 SDG No.: _____
 Lab File ID: N5360.D Lab Sample ID: MB 480-111319/5
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: HP5973N Date Analyzed: 04/06/2013 11:32
 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 480-111319/4	N5359.D	04/06/2013 11:08
MW-2	480-35528-1	N5361.D	04/06/2013 13:31
MW-3	480-35528-2	N5362.D	04/06/2013 13:55
MW-4	480-35528-3	N5363.D	04/06/2013 14:19
MW-6	480-35528-4	N5364.D	04/06/2013 14:43
MW-9	480-35528-6	N5366.D	04/06/2013 15:30
MW-10	480-35528-7	N5367.D	04/06/2013 15:53
MW-11	480-35528-8	N5368.D	04/06/2013 16:17
MW-12	480-35528-9	N5369.D	04/06/2013 16:41
MW-13S	480-35528-10	N5370.D	04/06/2013 17:04
MW-14D	480-35528-13	N5373.D	04/06/2013 18:15
MW-15S	480-35528-14	N5374.D	04/06/2013 18:39
MW-15D	480-35528-15	N5375.D	04/06/2013 19:02
MW-16S	480-35528-16	N5376.D	04/06/2013 19:26
MW-16D	480-35528-17	N5377.D	04/06/2013 19:50
Rinse	480-35528-18	N5378.D	04/06/2013 20:14
Trip Blank	480-35528-20	N5380.D	04/06/2013 21:02

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1
SDG No.: _____
Lab File ID: N5388.D Lab Sample ID: MB 480-111445/6
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973N Date Analyzed: 04/08/2013 11:01
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 480-111445/5	N5387.D	04/08/2013 10:37
MW-8R	480-35528-5	N5399.D	04/08/2013 15:37
MW-13D	480-35528-11	N5401.D	04/08/2013 16:24
MW-14S	480-35528-12	N5402.D	04/08/2013 16:48
MW-15D DL	480-35528-15 DL	N5403.D	04/08/2013 17:11
Duplicate	480-35528-19	N5405.D	04/08/2013 17:58

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1
SDG No.: _____
Lab File ID: N5413.D Lab Sample ID: MB 480-111593/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973N Date Analyzed: 04/08/2013 22:13
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 480-111593/4	N5412.D	04/08/2013 21:49
MW-4 DL	480-35528-3 DL	N5417.D	04/09/2013 00:08
MW-13S DL	480-35528-10 DL	N5418.D	04/09/2013 00:31
MW-16D DL	480-35528-17 DL	N5419.D	04/09/2013 00:55

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

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1
 SDG No.: _____
 Lab File ID: N4539.D BFB Injection Date: 03/14/2013
 Instrument ID: HP5973N BFB Injection Time: 11:28
 Analysis Batch No.: 107379

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.7
75	30.0 - 60.0 % of mass 95	49.7
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	86.9
175	5.0 - 9.0 % of mass 174	6.6 (7.6) 1
176	95.0 - 101.0 % of mass 174	83.9 (96.5) 1
177	5.0 - 9.0 % of mass 176	5.9 (7.0) 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 480-107379/2	N4541.D	03/14/2013	12:28
	IC 480-107379/3	N4542.D	03/14/2013	12:51
	IC 480-107379/4	N4543.D	03/14/2013	13:15
	ICIS 480-107379/5	N4544.D	03/14/2013	13:39
	IC 480-107379/6	N4545.D	03/14/2013	14:02
	IC 480-107379/7	N4546.D	03/14/2013	14:26

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

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1
SDG No.: _____
Lab File ID: N5356.D BFB Injection Date: 04/06/2013
Instrument ID: HP5973N BFB Injection Time: 09:36
Analysis Batch No.: 111319

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.0
75	30.0 - 60.0 % of mass 95	49.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.6
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	84.4
175	5.0 - 9.0 % of mass 174	6.7 (7.9) 1
176	95.0 - 101.0 % of mass 174	82.2 (97.3) 1
177	5.0 - 9.0 % of mass 176	5.7 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-111319/2	N5357.D	04/06/2013	10:01
	CCV 480-111319/3	N5358.D	04/06/2013	10:45
	LCS 480-111319/4	N5359.D	04/06/2013	11:08
	MB 480-111319/5	N5360.D	04/06/2013	11:32
MW-2	480-35528-1	N5361.D	04/06/2013	13:31
MW-3	480-35528-2	N5362.D	04/06/2013	13:55
MW-4	480-35528-3	N5363.D	04/06/2013	14:19
MW-6	480-35528-4	N5364.D	04/06/2013	14:43
MW-9	480-35528-6	N5366.D	04/06/2013	15:30
MW-10	480-35528-7	N5367.D	04/06/2013	15:53
MW-11	480-35528-8	N5368.D	04/06/2013	16:17
MW-12	480-35528-9	N5369.D	04/06/2013	16:41
MW-13S	480-35528-10	N5370.D	04/06/2013	17:04
MW-14D	480-35528-13	N5373.D	04/06/2013	18:15
MW-15S	480-35528-14	N5374.D	04/06/2013	18:39
MW-15D	480-35528-15	N5375.D	04/06/2013	19:02
MW-16S	480-35528-16	N5376.D	04/06/2013	19:26
MW-16D	480-35528-17	N5377.D	04/06/2013	19:50
Rinse	480-35528-18	N5378.D	04/06/2013	20:14
Trip Blank	480-35528-20	N5380.D	04/06/2013	21:02

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

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1
 SDG No.: _____
 Lab File ID: N5383.D BFB Injection Date: 04/08/2013
 Instrument ID: HP5973N BFB Injection Time: 08:21
 Analysis Batch No.: 111445

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.8
75	30.0 - 60.0 % of mass 95	48.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	84.1
175	5.0 - 9.0 % of mass 174	6.4 (7.6) 1
176	95.0 - 101.0 % of mass 174	81.3 (96.7) 1
177	5.0 - 9.0 % of mass 176	5.6 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-111445/3	N5385.D	04/08/2013	09:34
	CCV 480-111445/4	N5386.D	04/08/2013	10:13
	LCS 480-111445/5	N5387.D	04/08/2013	10:37
	MB 480-111445/6	N5388.D	04/08/2013	11:01
MW-8R	480-35528-5	N5399.D	04/08/2013	15:37
MW-13D	480-35528-11	N5401.D	04/08/2013	16:24
MW-14S	480-35528-12	N5402.D	04/08/2013	16:48
MW-15D DL	480-35528-15 DL	N5403.D	04/08/2013	17:11
Duplicate	480-35528-19	N5405.D	04/08/2013	17:58

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

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1
 SDG No.: _____
 Lab File ID: N5409.D BFB Injection Date: 04/08/2013
 Instrument ID: HP5973N BFB Injection Time: 20:13
 Analysis Batch No.: 111593

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.7
75	30.0 - 60.0 % of mass 95	47.5
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	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	86.0
175	5.0 - 9.0 % of mass 174	6.9 (8.0) 1
176	95.0 - 101.0 % of mass 174	84.9 (98.7) 1
177	5.0 - 9.0 % of mass 176	6.1 (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 480-111593/2	N5410.D	04/08/2013	20:47
	CCV 480-111593/3	N5411.D	04/08/2013	21:25
	LCS 480-111593/4	N5412.D	04/08/2013	21:49
	MB 480-111593/5	N5413.D	04/08/2013	22:13
MW-4 DL	480-35528-3 DL	N5417.D	04/09/2013	00:08
MW-13S DL	480-35528-10 DL	N5418.D	04/09/2013	00:31
MW-16D DL	480-35528-17 DL	N5419.D	04/09/2013	00:55

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

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1
 SDG No.: _____
 Sample No.: ICIS 480-107379/5 Date Analyzed: 03/14/2013 13:39
 Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): N4544.D Heated Purge: (Y/N) N
 Calibration ID: 12635

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	404438	4.44	346801	7.22	188325	9.69	
UPPER LIMIT	808876	4.94	693602	7.72	376650	10.19	
LOWER LIMIT	202219	3.94	173401	6.72	94163	9.19	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-111319/2		337225	4.44	291589	7.22	165083	9.69
CCVIS 480-111445/3		355157	4.44	306350	7.22	170185	9.69
CCVIS 480-111593/2		359859	4.44	302354	7.22	164904	9.69

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.: 480-35528-1
 SDG No.: _____
 Sample No.: CCVIS 480-111319/2 Date Analyzed: 04/06/2013 10:01
 Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): N5357.D Heated Purge: (Y/N) N
 Calibration ID: 12638

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		337225	4.44	291589	7.22	165083	9.69
UPPER LIMIT		674450	4.94	583178	7.72	330166	10.19
LOWER LIMIT		168613	3.94	145795	6.72	82542	9.19
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-111319/3		340144	4.44	300978	7.22	166851	9.69
LCS 480-111319/4		332409	4.44	283047	7.22	159782	9.69
MB 480-111319/5		326733	4.44	282840	7.22	155064	9.69
480-35528-1	MW-2	343683	4.44	285810	7.22	157922	9.69
480-35528-2	MW-3	330393	4.44	277816	7.22	157536	9.69
480-35528-3	MW-4	321836	4.44	286735	7.22	154346	9.69
480-35528-4	MW-6	326626	4.44	274693	7.22	151336	9.69
480-35528-6	MW-9	312940	4.44	271845	7.22	149505	9.69
480-35528-7	MW-10	309182	4.44	273642	7.22	148066	9.69
480-35528-8	MW-11	300798	4.44	264628	7.22	142899	9.69
480-35528-9	MW-12	309501	4.44	273070	7.22	146820	9.69
480-35528-10	MW-13S	356904	4.44	267812	7.22	90739	9.69
480-35528-13	MW-14D	307206	4.44	279455	7.22	149447	9.69
480-35528-14	MW-15S	300767	4.44	261572	7.22	145423	9.69
480-35528-15	MW-15D	312529	4.44	274435	7.22	146082	9.69
480-35528-16	MW-16S	307932	4.44	268512	7.22	148691	9.69
480-35528-17	MW-16D	321091	4.44	278988	7.22	148159	9.69
480-35528-18	Rinse	303801	4.44	271853	7.22	146230	9.69
480-35528-20	Trip Blank	307283	4.44	266565	7.22	146683	9.69

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.: 480-35528-1
 SDG No.: _____
 Sample No.: CCVIS 480-111445/3 Date Analyzed: 04/08/2013 09:34
 Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): N5385.D Heated Purge: (Y/N) N
 Calibration ID: 12638

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		355157	4.44	306350	7.22	170185	9.69
UPPER LIMIT		710314	4.94	612700	7.72	340370	10.19
LOWER LIMIT		177579	3.94	153175	6.72	85093	9.19
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCV 480-111445/4		348860	4.43	296921	7.22	165061	9.69
LCS 480-111445/5		336443	4.44	283178	7.22	154090	9.69
MB 480-111445/6		328046	4.44	288384	7.22	151921	9.69
480-35528-5	MW-8R	314359	4.44	274557	7.22	148802	9.69
480-35528-11	MW-13D	307682	4.44	265182	7.22	147813	9.69
480-35528-12	MW-14S	315329	4.44	262590	7.22	149005	9.69
480-35528-15 DL	MW-15D DL	308886	4.44	253602	7.22	140348	9.69
480-35528-19	Duplicate	322144	4.44	268695	7.22	147375	9.69

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.: 480-35528-1
 SDG No.: _____
 Sample No.: CCVIS 480-111593/2 Date Analyzed: 04/08/2013 20:47
 Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): N5410.D Heated Purge: (Y/N) N
 Calibration ID: 12638

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		359859	4.44	302354	7.22	164904	9.69
UPPER LIMIT		719718	4.94	604708	7.72	329808	10.19
LOWER LIMIT		179930	3.94	151177	6.72	82452	9.19
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCV 480-111593/3		331697	4.44	277442	7.22	155556	9.69
LCS 480-111593/4		324993	4.44	281462	7.22	157495	9.69
MB 480-111593/5		324791	4.44	277432	7.22	150756	9.69
480-35528-3 DL	MW-4 DL	332579	4.44	285472	7.22	153953	9.69
480-35528-10 DL	MW-13S DL	324382	4.44	280290	7.22	148494	9.69
480-35528-17 DL	MW-16D DL	316477	4.44	262684	7.22	150094	9.69

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.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-2 Lab Sample ID: 480-35528-1

Matrix: Ground Water Lab File ID: N5361.D

Analysis Method: 8260B Date Collected: 04/02/2013 11:55

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 13:31

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.: 111319 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	8.8		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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: MW-2 Lab Sample ID: 480-35528-1
 Matrix: Ground Water Lab File ID: N5361.D
 Analysis Method: 8260B Date Collected: 04/02/2013 11:55
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 13:31
 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.: 111319 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)	104		66-137
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
2037-26-5	Toluene-d8 (Surr)	101		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5361.D
 Lims ID: 480-35528-A-1 Client ID: MW-2
 Inject. Date: 06-Apr-2013 13:31:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-35528-A-1
 Misc. Info.: 480-0020332-028
 Operator: TF Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 3
 Lims Batch ID: 111319 Lims Sample ID: 28
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
 Last Update: 08-Apr-2013 09:42:23 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 13:13:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	94	343683	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	285810	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	95	157922	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	87	126348	26.1	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	83	381624	25.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	91	121995	23.4	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62		1.066					
15 Bromomethane	94		1.243					
16 Chloroethane	64	1.322	1.310	0.012	80	16681	8.79	
18 Trichlorofluoromethane	101		1.444					
22 1,1-Dichloroethene	96		1.803					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43	1.918	1.900	0.018	66	3655	2.31	
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.800					
43 cis-1,2-Dichloroethene	96		3.317					
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
52 Cyclohexane	56		3.713					
51 1,1,1-Trichloroethane	97		3.713					
53 Carbon tetrachloride	117		3.841					
55 Benzene	78		4.041					9
57 1,2-Dichloroethane	62		4.108					
60 Trichloroethene	95		4.644					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.759					
63 1,2-Dichloropropane	63		4.863					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.733					9
73 Toluene	92		5.842					9
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					9
90 m-Xylene & p-Xylene	106		7.485					9
91 o-Xylene	106		7.892					
92 Styrene	104		7.923					
93 Bromoform	173		8.142					
95 Isopropylbenzene	105		8.282					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.561					
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

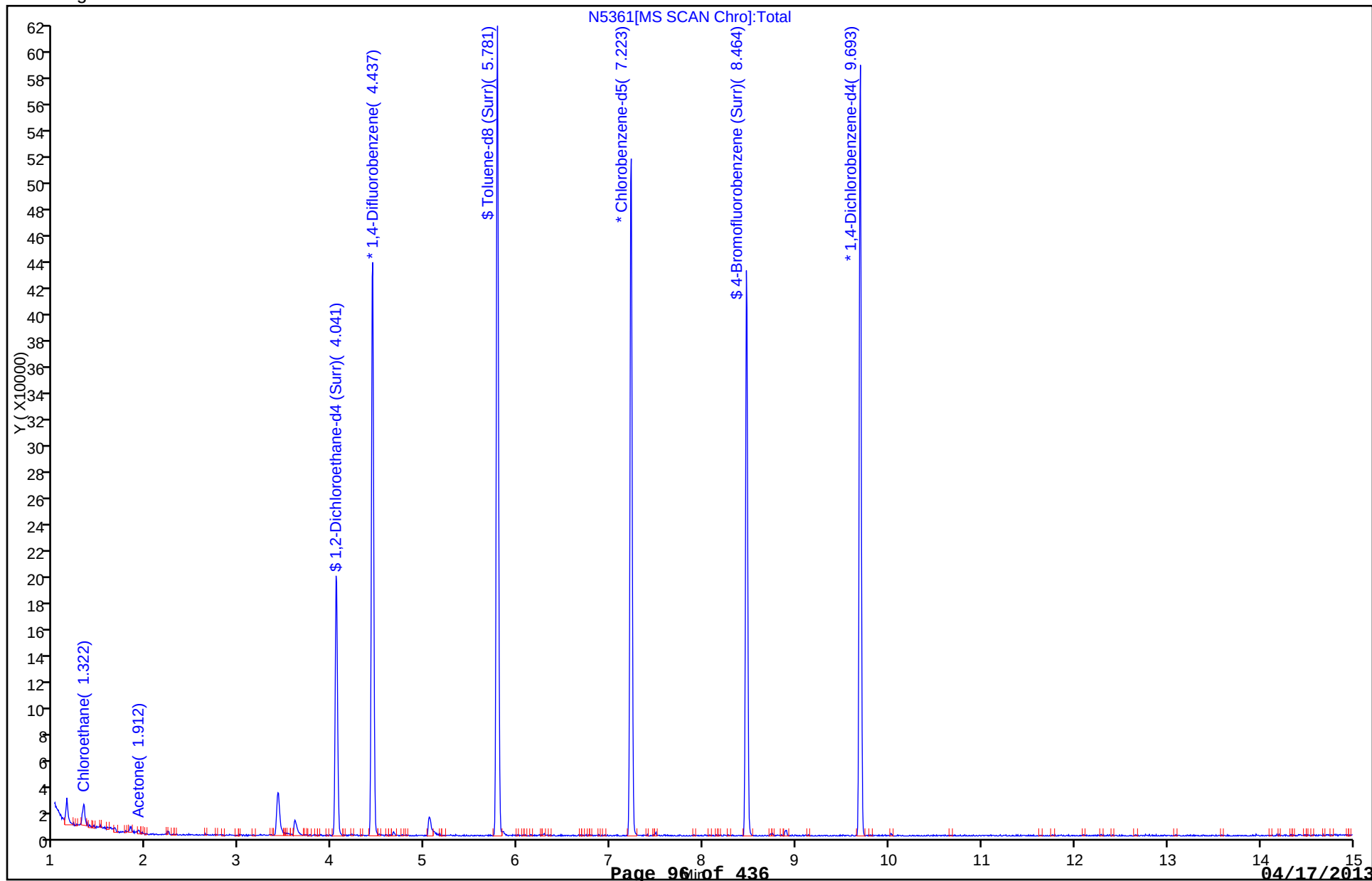
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5361.D
Injection Date: 06-Apr-2013 13:31:30 Limit Group: MV - 8260B ICAL
Client ID: MW-2 Instrument ID: HP5973N
Lims Batch ID: 111319 Lims Sample ID: 28
Operator ID: TF Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5361.D

Injection Date: 06-Apr-2013 13:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-2

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 28

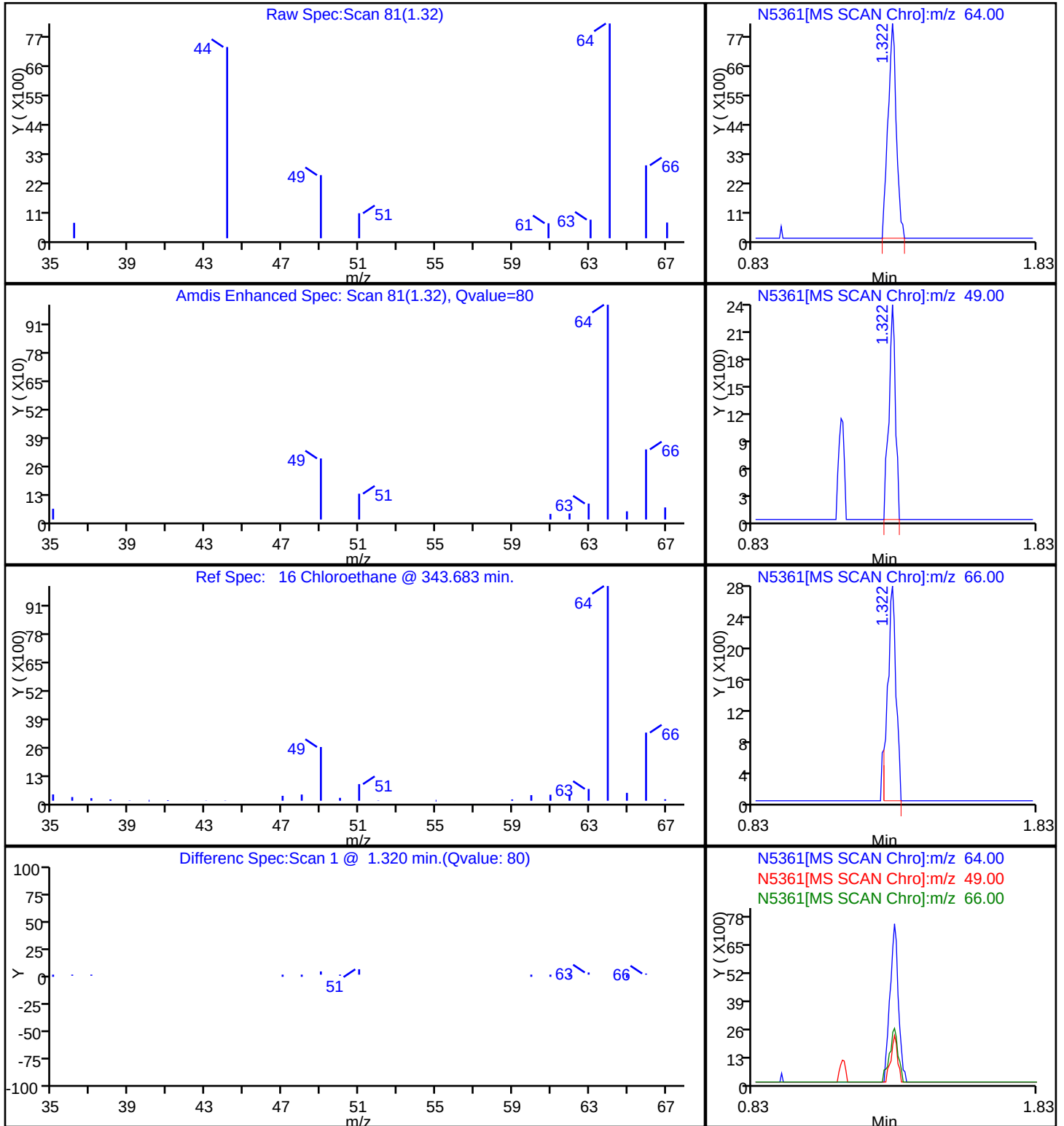
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

16 Chloroethane



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-3 Lab Sample ID: 480-35528-2

Matrix: Ground Water Lab File ID: N5362.D

Analysis Method: 8260B Date Collected: 04/02/2013 08:30

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 13:55

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.: 111319 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	9.6		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	1.3		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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: MW-3 Lab Sample ID: 480-35528-2
 Matrix: Ground Water Lab File ID: N5362.D
 Analysis Method: 8260B Date Collected: 04/02/2013 08:30
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 13:55
 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.: 111319 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	4.0		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)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	99		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5362.D
 Lims ID: 480-35528-A-2 Client ID: MW-3
 Inject. Date: 06-Apr-2013 13:55:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-35528-A-2
 Misc. Info.: 480-0020332-029
 Operator: TF Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 4
 Lims Batch ID: 111319 Lims Sample ID: 29
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
 Last Update: 08-Apr-2013 13:14:32 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 13:14:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.436	4.437	-0.001	91	330393	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	277816	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	157536	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	88	122317	26.3	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	362946	24.7	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.464	8.470	-0.006	85	115337	22.8	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62	1.060	1.066	-0.006	80	16366	4.00	
15 Bromomethane	94		1.243					
16 Chloroethane	64	1.316	1.310	0.006	19	3223	-0.2212	
18 Trichlorofluoromethane	101		1.444					
22 1,1-Dichloroethene	96		1.803					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43		1.900					
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96		2.429					9
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63	2.806	2.800	0.006	94	79107	9.62	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	33	6318	1.32	
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
52 Cyclohexane	56		3.713					
51 1,1,1-Trichloroethane	97		3.713					
53 Carbon tetrachloride	117		3.841					
55 Benzene	78		4.041					9
57 1,2-Dichloroethane	62		4.108					
60 Trichloroethene	95		4.644					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.759					
63 1,2-Dichloropropane	63		4.863					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.733				9	
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					
90 m-Xylene & p-Xylene	106		7.485					
91 o-Xylene	106		7.892					
92 Styrene	104		7.923					
93 Bromoform	173		8.142					
95 Isopropylbenzene	105		8.282					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.561					
S 126 Xylenes, Total	1		30.000				7	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5362.D

Injection Date: 06-Apr-2013 13:55:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 29

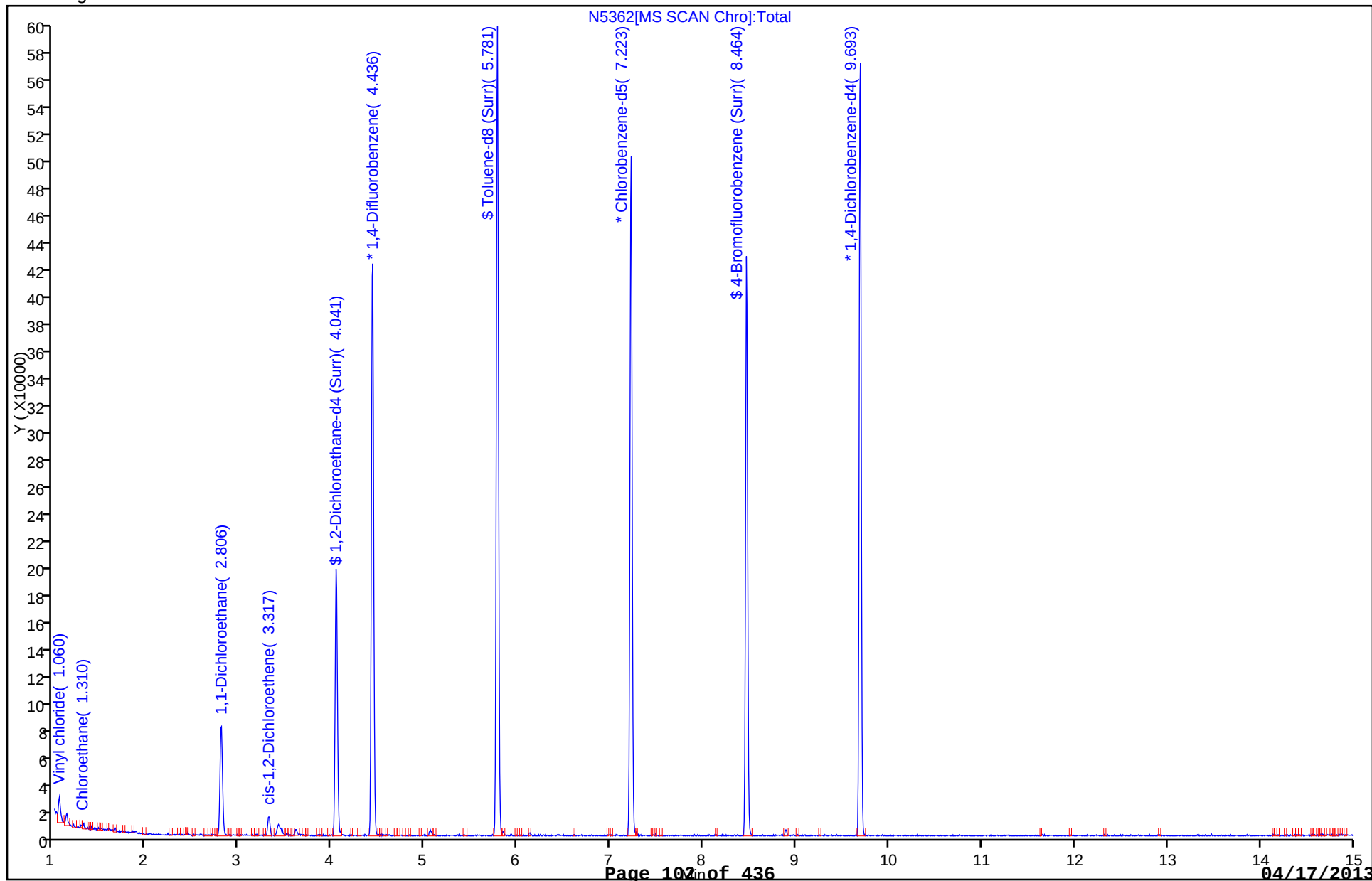
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5362.D

Injection Date: 06-Apr-2013 13:55:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 29

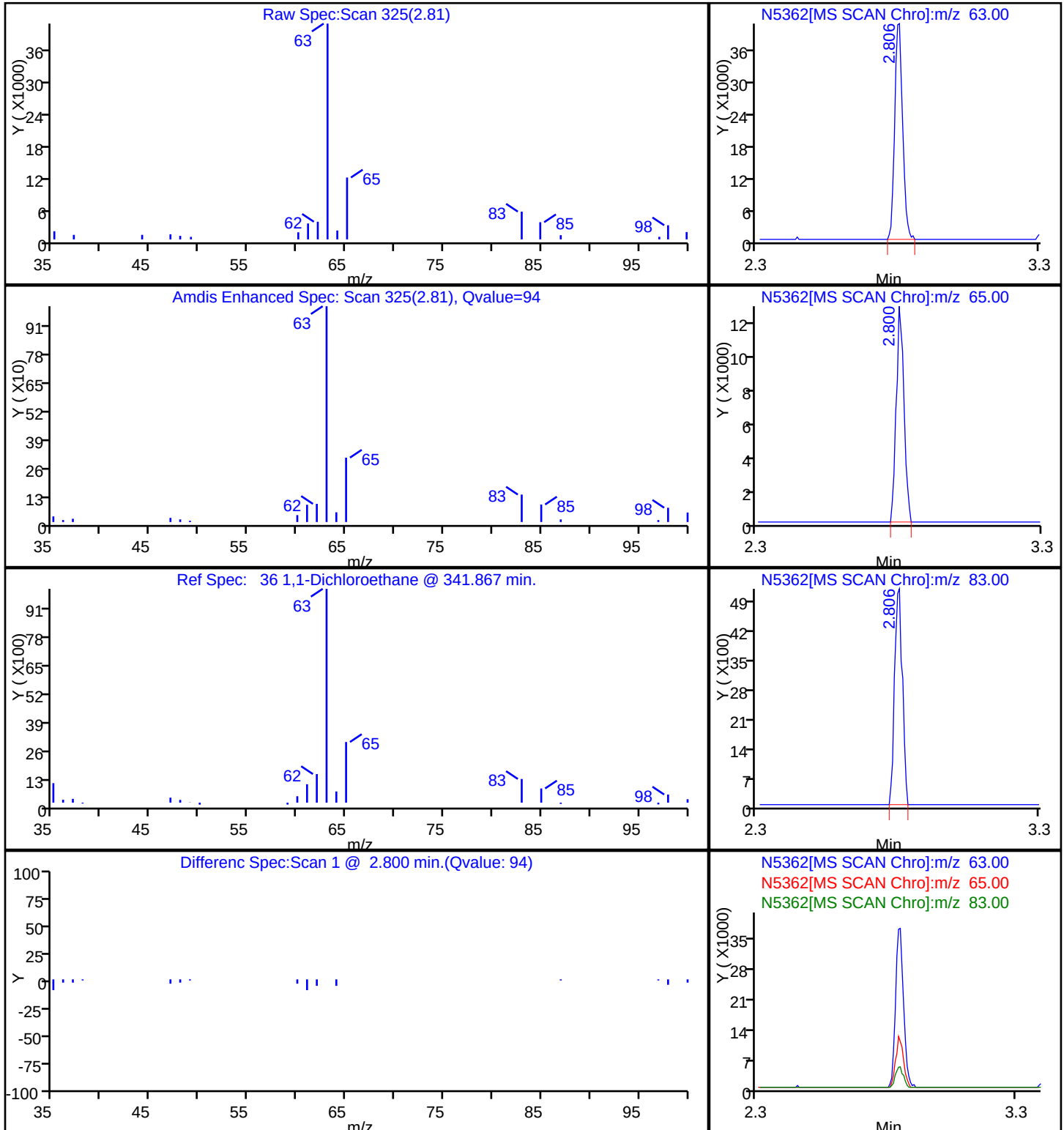
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

36 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5362.D

Injection Date: 06-Apr-2013 13:55:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 29

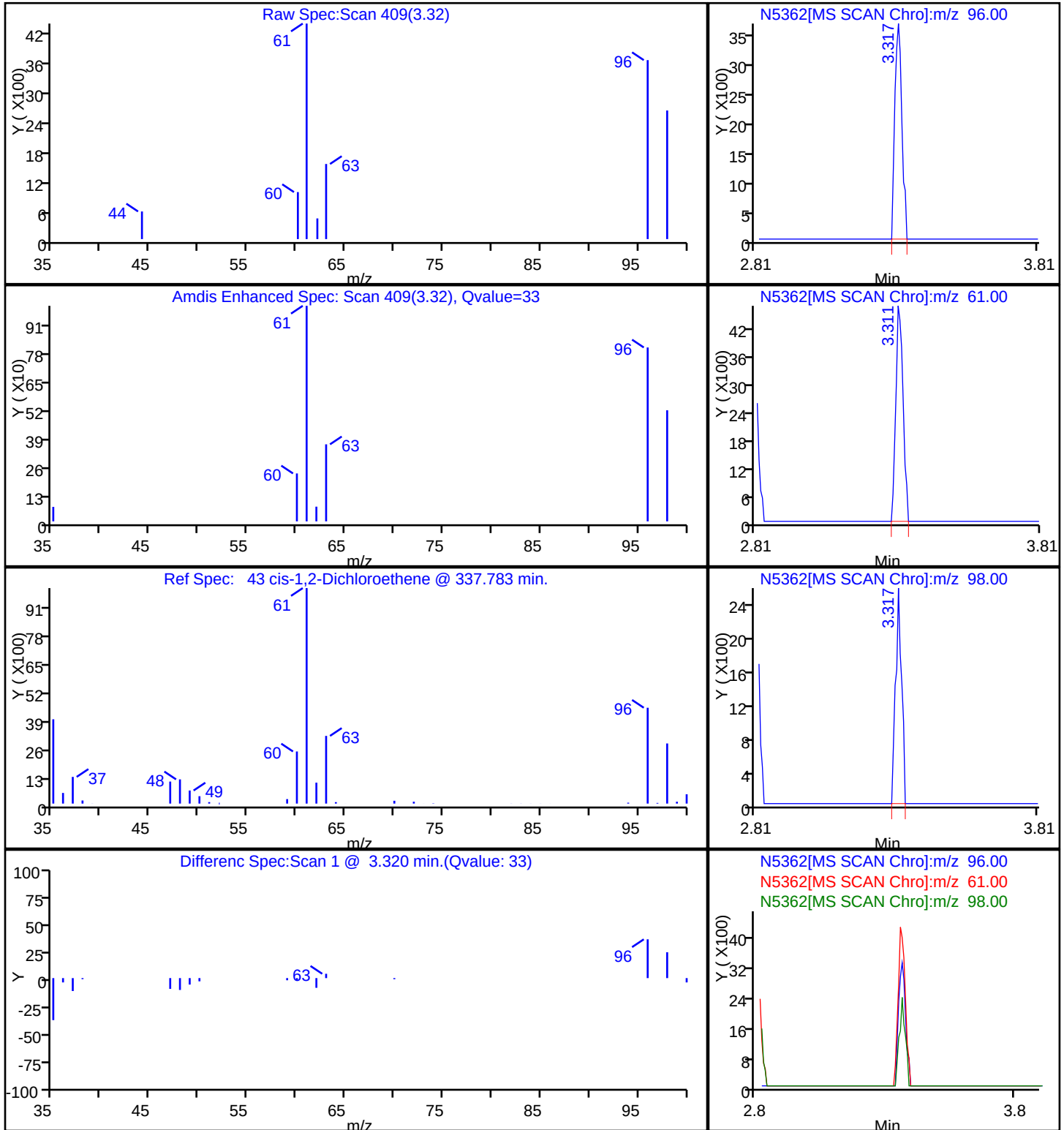
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5362.D

Injection Date: 06-Apr-2013 13:55:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 29

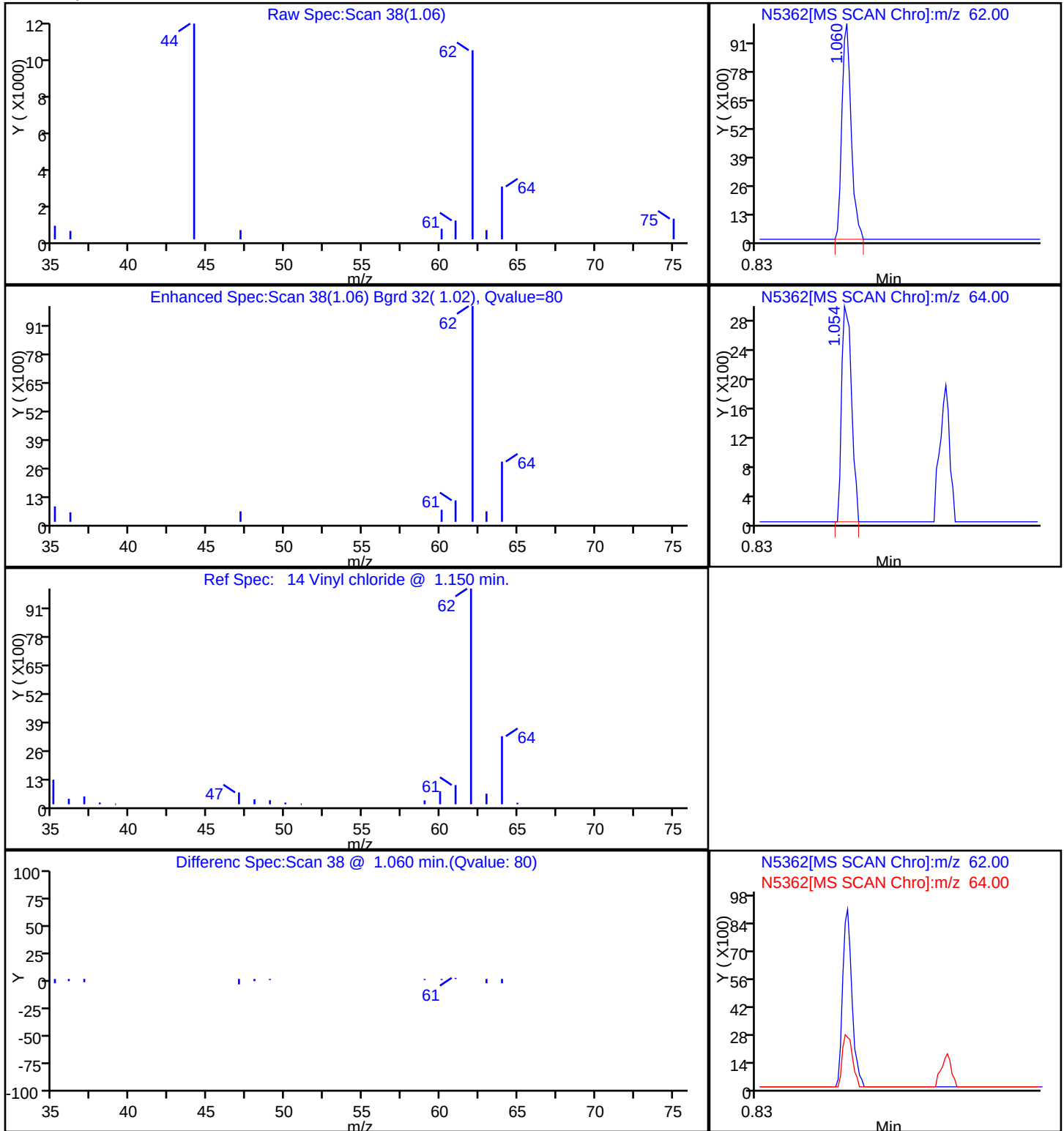
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

14 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-4 Lab Sample ID: 480-35528-3

Matrix: Ground Water Lab File ID: N5363.D

Analysis Method: 8260B Date Collected: 04/02/2013 11:45

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 14:19

Soil Aliquot Vol: _____ Dilution Factor: 40

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

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

Analysis Batch No.: 111319 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		40	33
79-34-5	1,1,2,2-Tetrachloroethane	ND		40	8.4
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12
79-00-5	1,1,2-Trichloroethane	ND		40	9.2
75-34-3	1,1-Dichloroethane	850		40	15
75-35-4	1,1-Dichloroethene	160		40	12
120-82-1	1,2,4-Trichlorobenzene	ND		40	16
96-12-8	1,2-Dibromo-3-Chloropropane	ND		40	16
106-93-4	1,2-Dibromoethane	ND		40	29
95-50-1	1,2-Dichlorobenzene	ND		40	32
107-06-2	1,2-Dichloroethane	ND		40	8.4
78-87-5	1,2-Dichloropropane	ND		40	29
541-73-1	1,3-Dichlorobenzene	ND		40	31
106-46-7	1,4-Dichlorobenzene	ND		40	34
78-93-3	2-Butanone (MEK)	ND		400	53
591-78-6	2-Hexanone	ND		200	50
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		200	84
67-64-1	Acetone	ND		400	120
71-43-2	Benzene	ND		40	16
75-27-4	Bromodichloromethane	ND		40	16
75-25-2	Bromoform	ND		40	10
74-83-9	Bromomethane	ND		40	28
75-15-0	Carbon disulfide	ND		40	7.6
56-23-5	Carbon tetrachloride	ND		40	11
108-90-7	Chlorobenzene	ND		40	30
75-00-3	Chloroethane	ND		40	13
67-66-3	Chloroform	ND		40	14
74-87-3	Chloromethane	ND		40	14
156-59-2	cis-1,2-Dichloroethene	34000	E	40	32
10061-01-5	cis-1,3-Dichloropropene	ND		40	14
110-82-7	Cyclohexane	ND		40	7.2
124-48-1	Dibromochloromethane	ND		40	13
75-71-8	Dichlorodifluoromethane	ND		40	27
100-41-4	Ethylbenzene	ND		40	30
98-82-8	Isopropylbenzene	ND		40	32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1
 SDG No.: _____
 Client Sample ID: MW-4 Lab Sample ID: 480-35528-3
 Matrix: Ground Water Lab File ID: N5363.D
 Analysis Method: 8260B Date Collected: 04/02/2013 11:45
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 14:19
 Soil Aliquot Vol: _____ Dilution Factor: 40
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 111319 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		40	20
1634-04-4	Methyl tert-butyl ether	ND		40	6.4
108-87-2	Methylcyclohexane	ND		40	6.4
75-09-2	Methylene Chloride	19	J	40	18
100-42-5	Styrene	ND		40	29
127-18-4	Tetrachloroethene	ND		40	14
108-88-3	Toluene	ND		40	20
156-60-5	trans-1,2-Dichloroethene	110		40	36
10061-02-6	trans-1,3-Dichloropropene	ND		40	15
79-01-6	Trichloroethene	13000	E	40	18
75-69-4	Trichlorofluoromethane	ND		40	35
75-01-4	Vinyl chloride	480		40	36
1330-20-7	Xylenes, Total	ND		80	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	97		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5363.D
 Lims ID: 480-35528-A-3 Client ID: MW-4
 Inject. Date: 06-Apr-2013 14:19:30 Dil. Factor: 40.0000
 Sample Type: Client
 Sample ID: 480-35528-A-3
 Misc. Info.: 480-0020332-030
 Operator: TF Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 5
 Lims Batch ID: 111319 Lims Sample ID: 30
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
 Last Update: 08-Apr-2013 13:15:36 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 13:15:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	94	321836	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	286735	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	95	154346	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	87	121561	26.8	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	367402	24.2	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.464	8.470	-0.006	87	118529	22.7	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62	1.060	1.066	-0.006	96	47701	12.0	
15 Bromomethane	94		1.243					
16 Chloroethane	64		1.310					
18 Trichlorofluoromethane	101		1.444					
22 1,1-Dichloroethene	96	1.809	1.803	0.006	84	12047	3.90	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		1.821					
23 Acetone	43		1.900					
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84	2.222	2.228	-0.006	51	2288	0.4756	
33 trans-1,2-Dichloroethene	96	2.435	2.429	0.006	88	12183	2.83	
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63	2.800	2.800	0.0	97	169240	21.1	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	65	3905149	838.1	E
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
52 Cyclohexane	56		3.713					
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	21	3469	0.5762	
53 Carbon tetrachloride	117		3.841					
55 Benzene	78		4.041					9
57 1,2-Dichloroethane	62		4.108					9
60 Trichloroethene	95	4.643	4.644	-0.001	94	1372628	319.4	E

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.759					9
63 1,2-Dichloropropane	63		4.863					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.733					9
73 Toluene	92		5.842					9
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					
90 m-Xylene & p-Xylene	106		7.485					
91 o-Xylene	106		7.892					
92 Styrene	104		7.923					
93 Bromoform	173		8.142					
95 Isopropylbenzene	105		8.282					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.561					
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5363.D

Injection Date: 06-Apr-2013 14:19:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 30

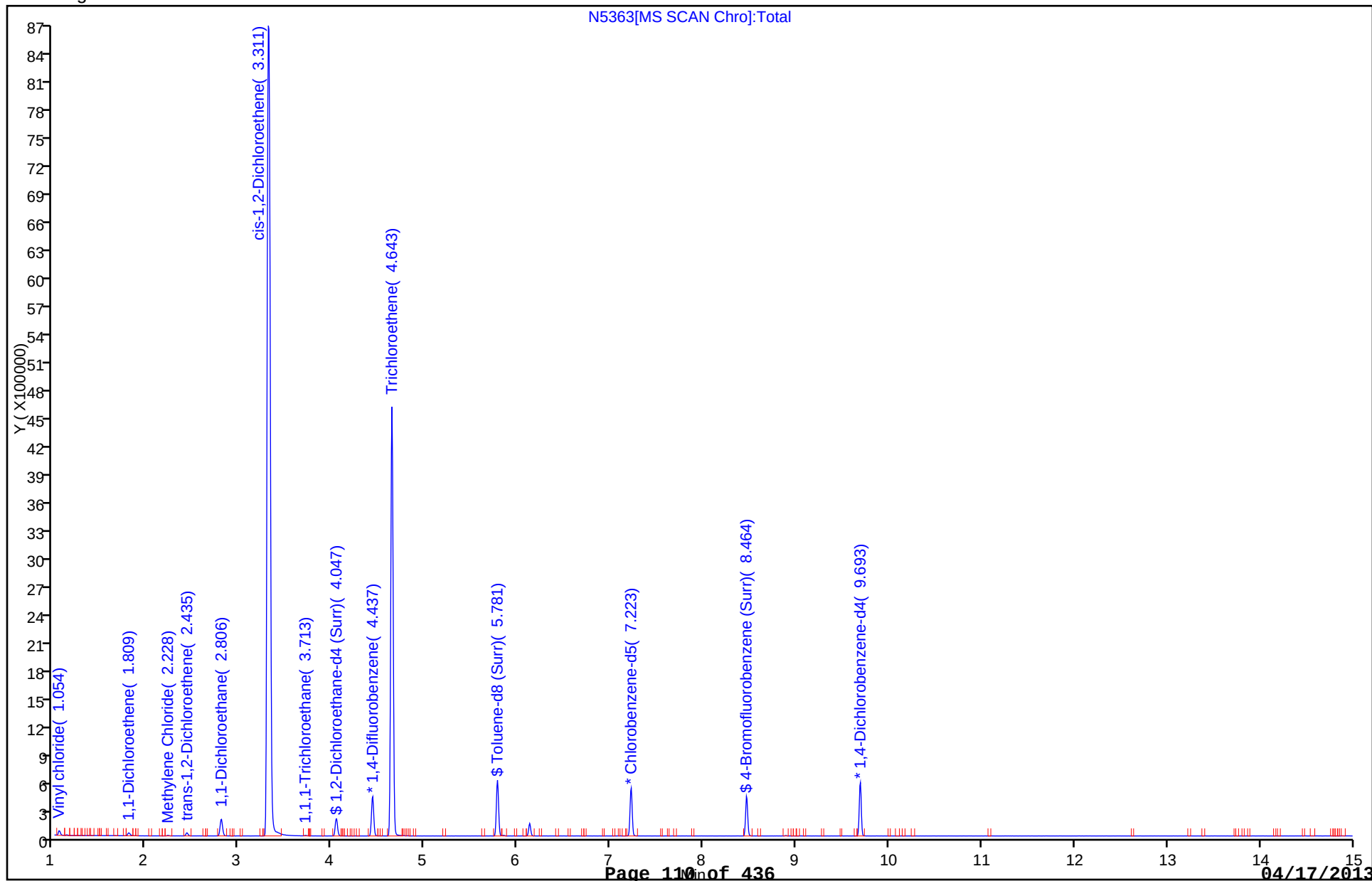
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5363.D

Injection Date: 06-Apr-2013 14:19:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 30

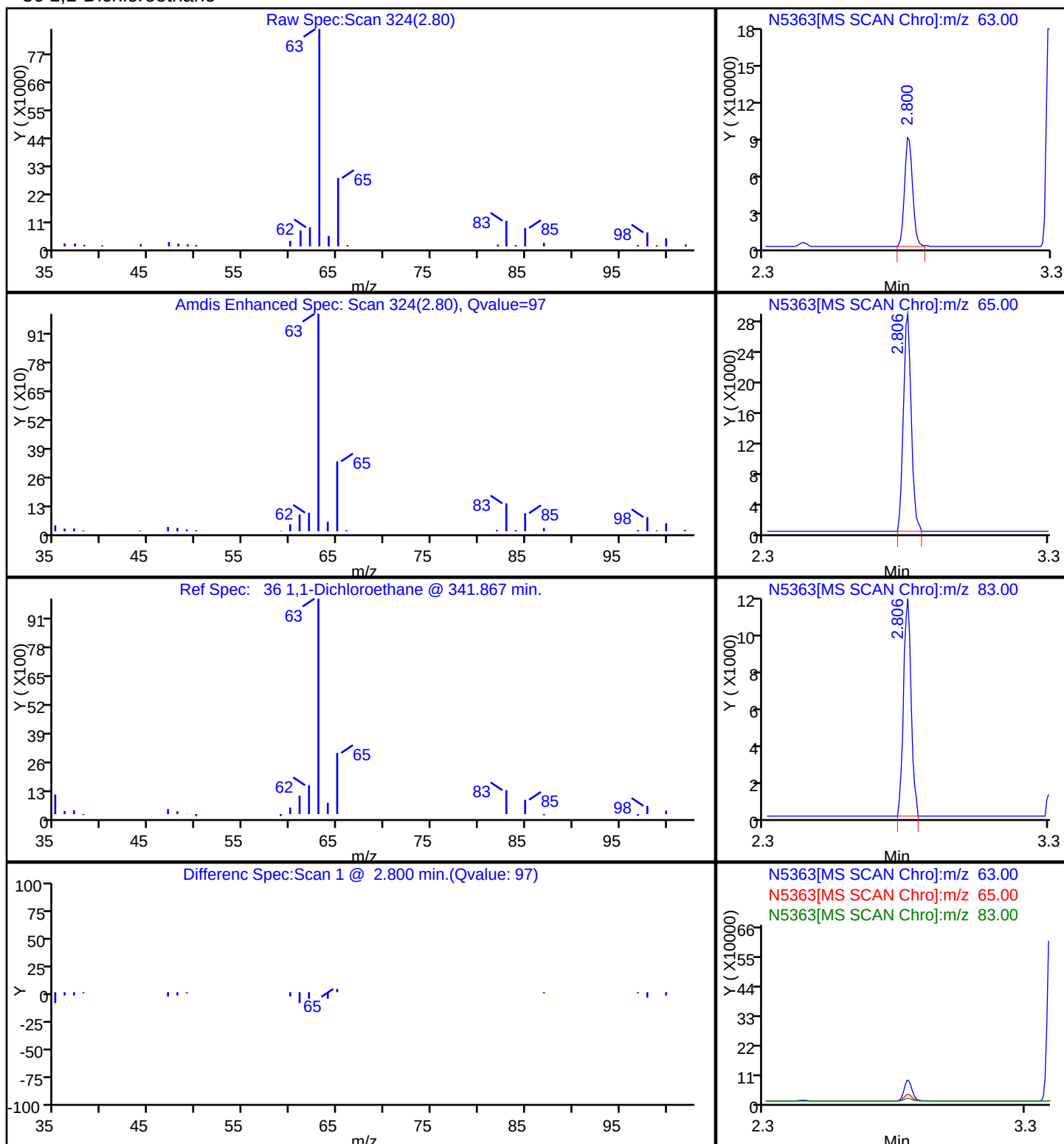
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

36 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5363.D

Injection Date: 06-Apr-2013 14:19:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 30

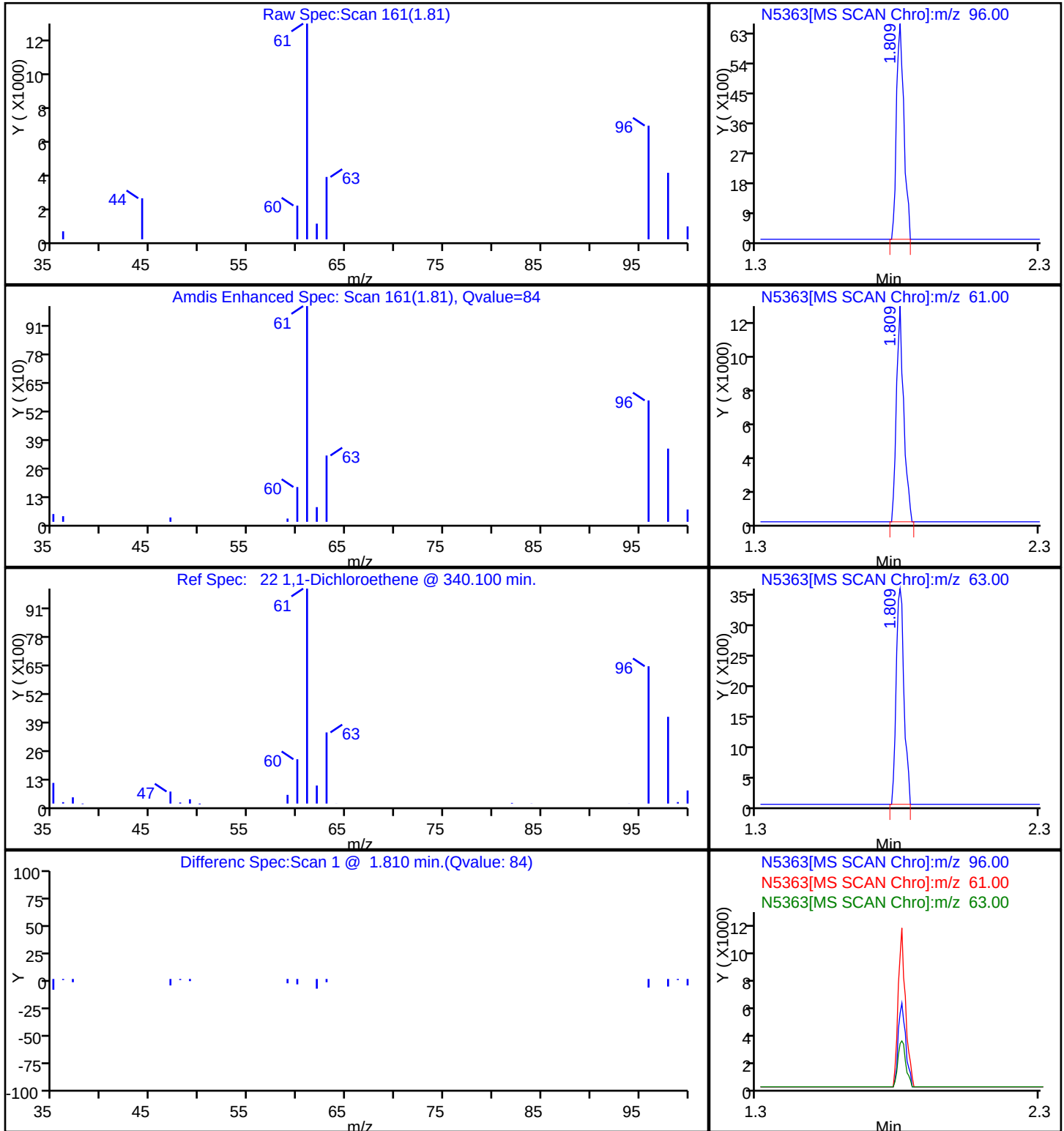
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

22 1,1-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5363.D

Injection Date: 06-Apr-2013 14:19:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 30

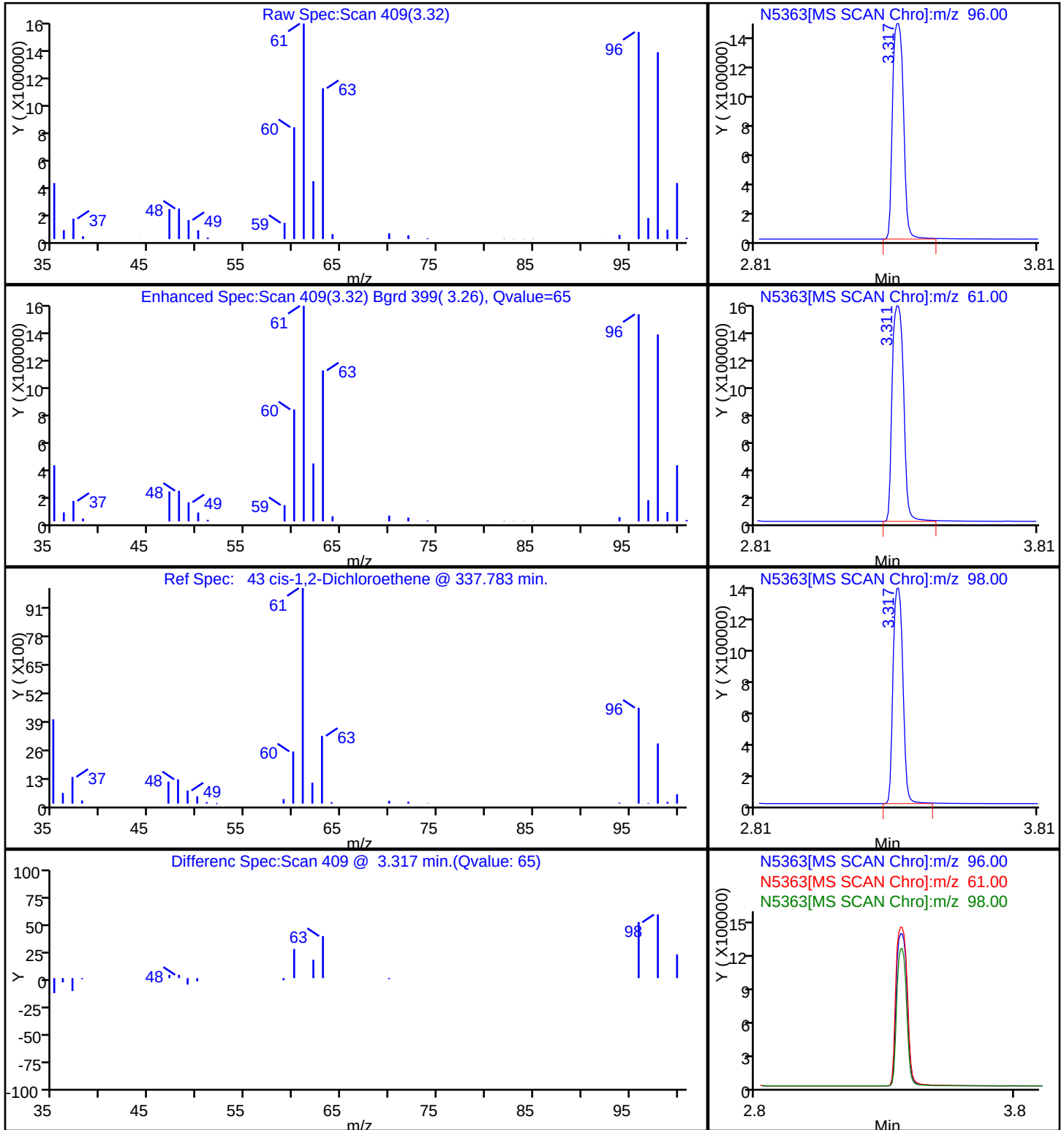
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5363.D

Injection Date: 06-Apr-2013 14:19:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 30

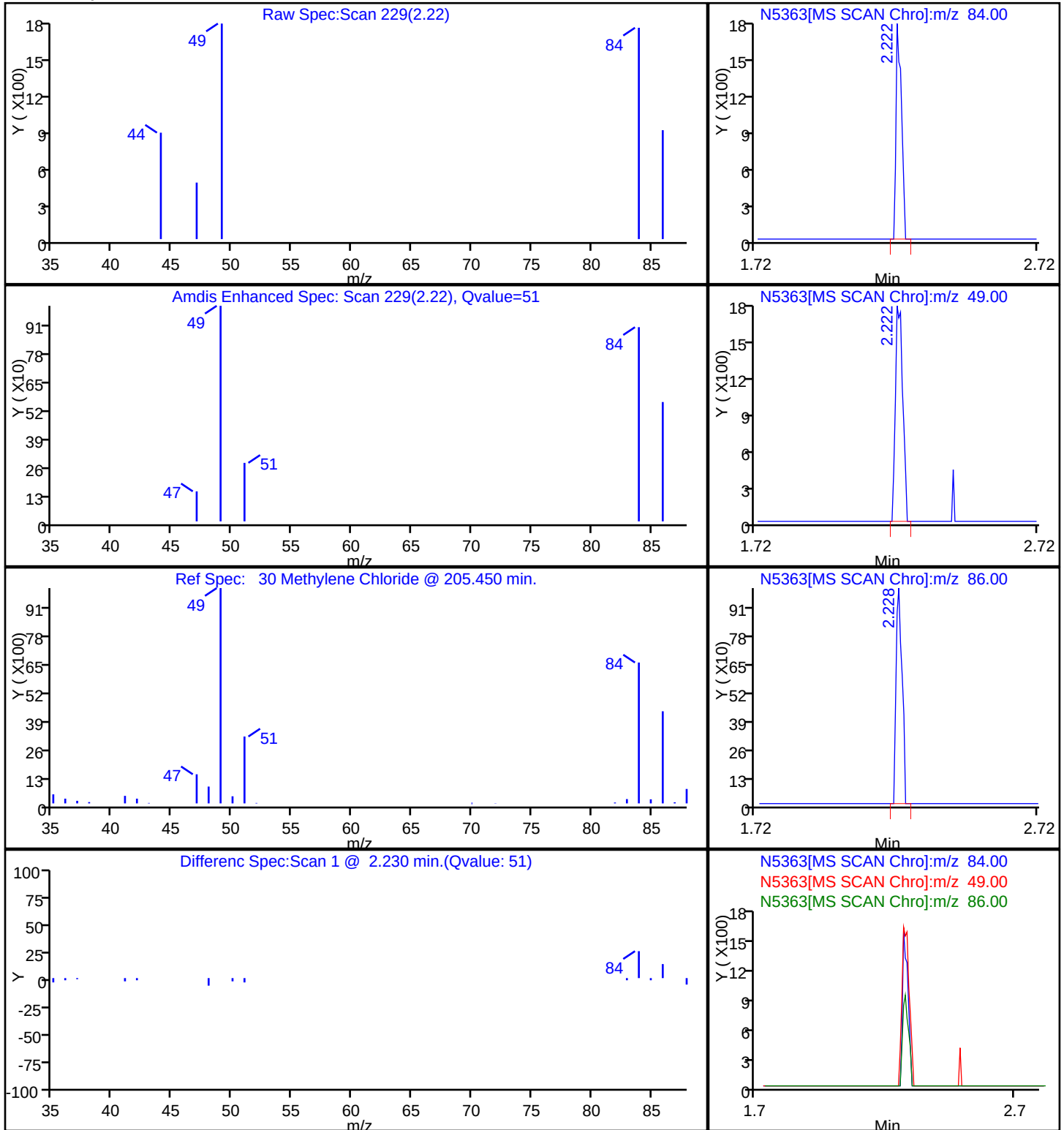
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

30 Methylene Chloride



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5363.D

Injection Date: 06-Apr-2013 14:19:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 30

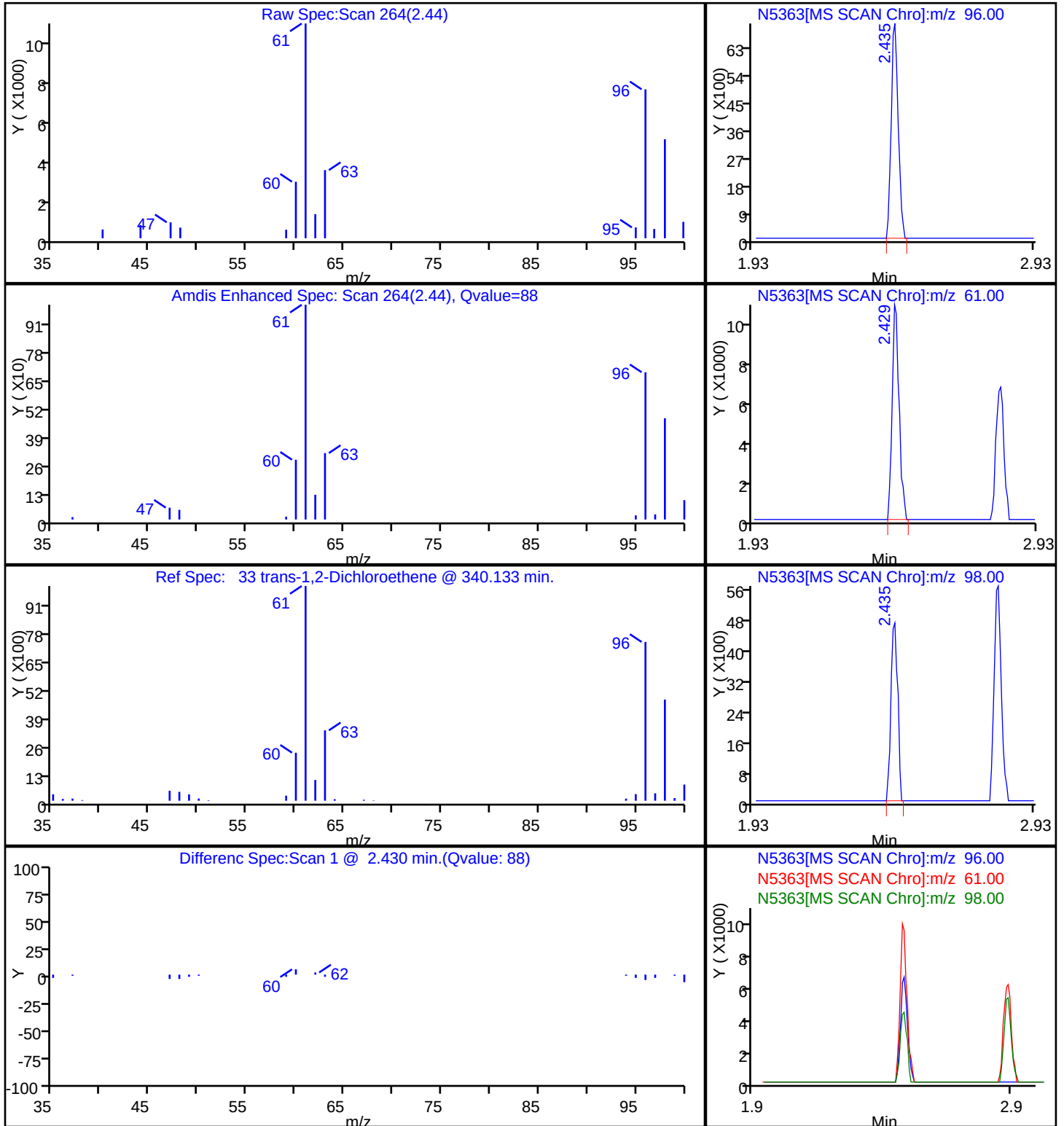
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

33 trans-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5363.D

Injection Date: 06-Apr-2013 14:19:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 30

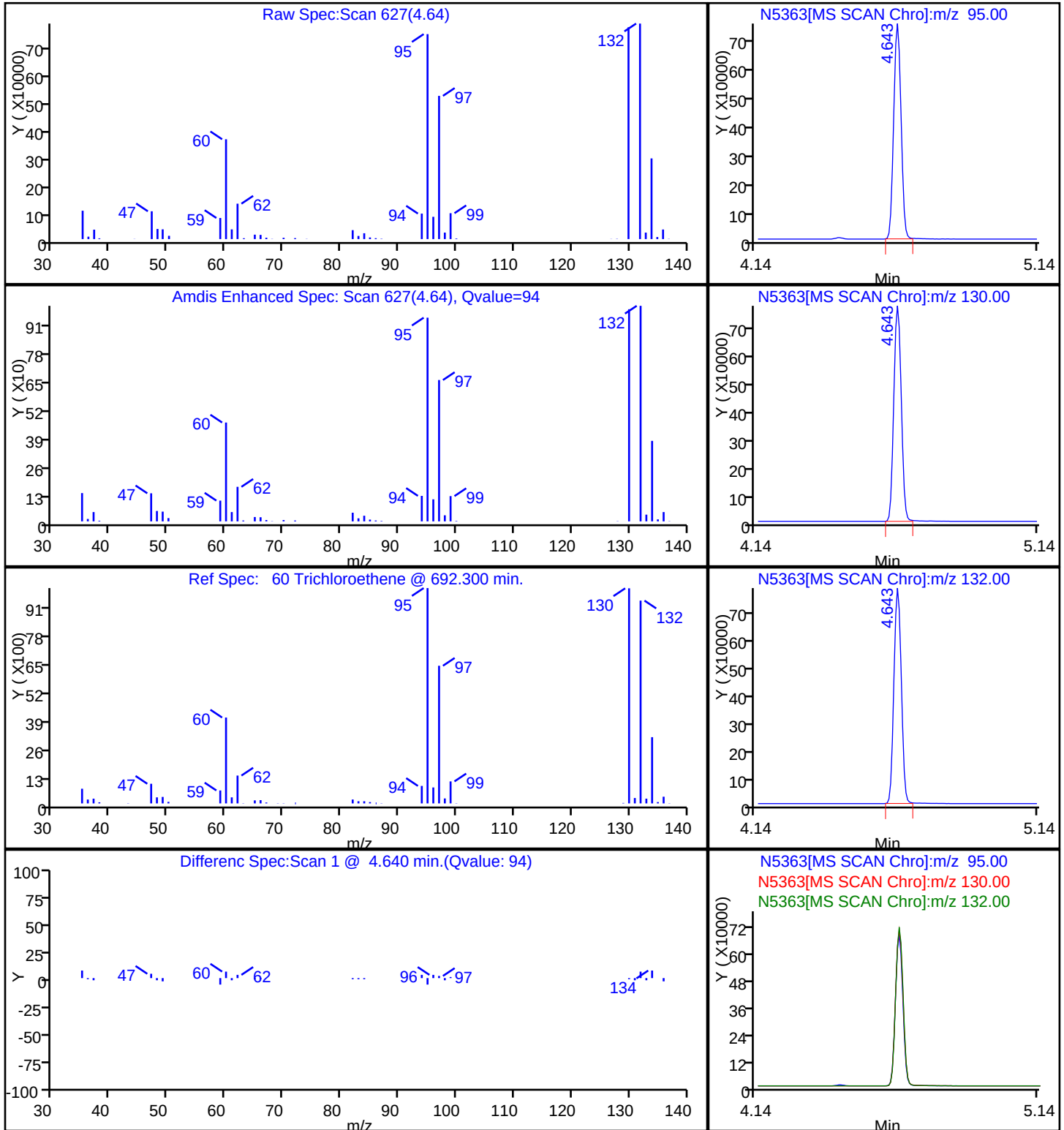
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

60 Trichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5363.D

Injection Date: 06-Apr-2013 14:19:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 30

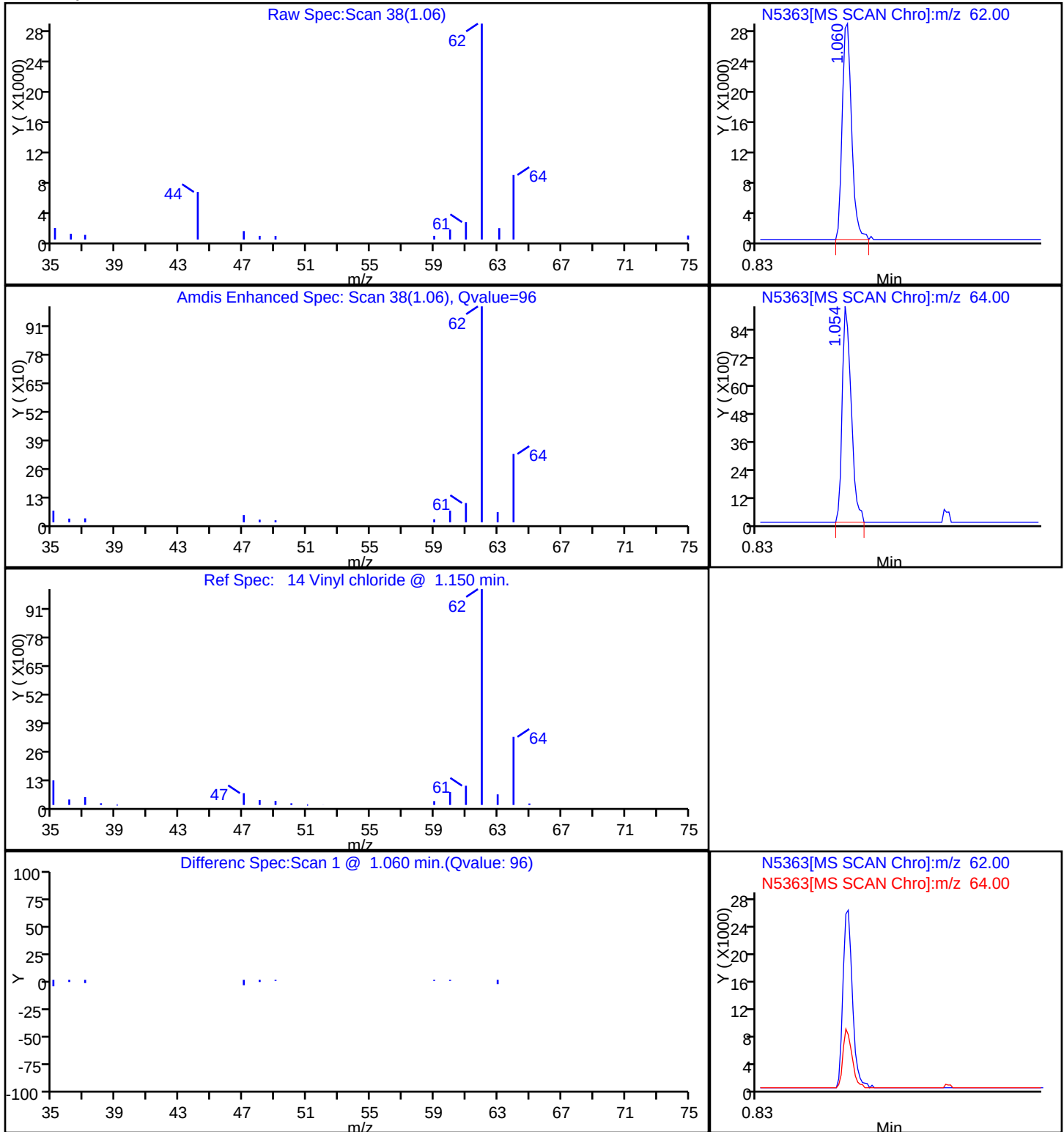
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

14 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-4 DL Lab Sample ID: 480-35528-3 DL

Matrix: Ground Water Lab File ID: N5417.D

Analysis Method: 8260B Date Collected: 04/02/2013 11:45

Sample wt/vol: 5(mL) Date Analyzed: 04/09/2013 00:08

Soil Aliquot Vol: _____ Dilution Factor: 1000

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

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

Analysis Batch No.: 111593 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1000	820
79-34-5	1,1,2,2-Tetrachloroethane	ND		1000	210
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	310
79-00-5	1,1,2-Trichloroethane	ND		1000	230
75-34-3	1,1-Dichloroethane	600	J	1000	380
75-35-4	1,1-Dichloroethene	ND		1000	290
120-82-1	1,2,4-Trichlorobenzene	ND		1000	410
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1000	390
106-93-4	1,2-Dibromoethane	ND		1000	730
95-50-1	1,2-Dichlorobenzene	ND		1000	790
107-06-2	1,2-Dichloroethane	ND		1000	210
78-87-5	1,2-Dichloropropane	ND		1000	720
541-73-1	1,3-Dichlorobenzene	ND		1000	780
106-46-7	1,4-Dichlorobenzene	ND		1000	840
78-93-3	2-Butanone (MEK)	ND		10000	1300
591-78-6	2-Hexanone	ND		5000	1200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5000	2100
67-64-1	Acetone	ND		10000	3000
71-43-2	Benzene	ND		1000	410
75-27-4	Bromodichloromethane	ND		1000	390
75-25-2	Bromoform	ND		1000	260
74-83-9	Bromomethane	ND		1000	690
75-15-0	Carbon disulfide	ND		1000	190
56-23-5	Carbon tetrachloride	ND		1000	270
108-90-7	Chlorobenzene	ND		1000	750
75-00-3	Chloroethane	ND		1000	320
67-66-3	Chloroform	ND		1000	340
74-87-3	Chloromethane	ND		1000	350
156-59-2	cis-1,2-Dichloroethene	57000		1000	810
10061-01-5	cis-1,3-Dichloropropene	ND		1000	360
110-82-7	Cyclohexane	ND		1000	180
124-48-1	Dibromochloromethane	ND		1000	320
75-71-8	Dichlorodifluoromethane	ND		1000	680
100-41-4	Ethylbenzene	ND		1000	740
98-82-8	Isopropylbenzene	ND		1000	790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1
 SDG No.: _____
 Client Sample ID: MW-4 DL Lab Sample ID: 480-35528-3 DL
 Matrix: Ground Water Lab File ID: N5417.D
 Analysis Method: 8260B Date Collected: 04/02/2013 11:45
 Sample wt/vol: 5(mL) Date Analyzed: 04/09/2013 00:08
 Soil Aliquot Vol: _____ Dilution Factor: 1000
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 111593 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1000	500
1634-04-4	Methyl tert-butyl ether	ND		1000	160
108-87-2	Methylcyclohexane	ND		1000	160
75-09-2	Methylene Chloride	ND		1000	440
100-42-5	Styrene	ND		1000	730
127-18-4	Tetrachloroethene	ND		1000	360
108-88-3	Toluene	ND		1000	510
156-60-5	trans-1,2-Dichloroethene	ND		1000	900
10061-02-6	trans-1,3-Dichloropropene	ND		1000	370
79-01-6	Trichloroethene	12000		1000	460
75-69-4	Trichlorofluoromethane	ND		1000	880
75-01-4	Vinyl chloride	ND		1000	900
1330-20-7	Xylenes, Total	ND		2000	660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		66-137
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
2037-26-5	Toluene-d8 (Surr)	97		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5417.D
 Lims ID: 480-35528-C-3 Client ID: MW-4
 Inject. Date: 09-Apr-2013 00:08:30 Dil. Factor: 1000.0000
 Sample Type: Client
 Sample ID: 480-35528-C-3
 Misc. Info.: 480-0020382-009
 Operator: RAL Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 4
 Lims Batch ID: 111593 Lims Sample ID: 9
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N-8260.m
 Last Update: 09-Apr-2013 11:59:03 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK012

First Level Reviewer: jonesr

Date: 09-Apr-2013 11:59:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	92	332579	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	285472	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	95	153953	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	88	118894	25.4	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	366949	24.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	116372	22.4	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.987					
14 Vinyl chloride	62		1.060					9
15 Bromomethane	94		1.243					
16 Chloroethane	64		1.310					
18 Trichlorofluoromethane	101		1.444					
22 1,1-Dichloroethene	96		1.809					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.815					
23 Acetone	43		1.906					
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.161					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63	2.806	2.806	0.0	1	4976	0.6014	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	81	273689	56.8	
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.840					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.114					
60 Trichloroethene	95	4.643	4.643	0.0	94	51961	11.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.759					
63 1,2-Dichloropropane	63		4.869					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732				9	
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.363					
90 m-Xylene & p-Xylene	106		7.485					
91 o-Xylene	106		7.892					
92 Styrene	104		7.929					
93 Bromoform	173		8.148					
95 Isopropylbenzene	105		8.288					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.620					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.561					
S 126 Xylenes, Total	1		30.000				7	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5417.D

Injection Date: 09-Apr-2013 00:08:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973N

Lims Batch ID: 111593

Lims Sample ID: 9

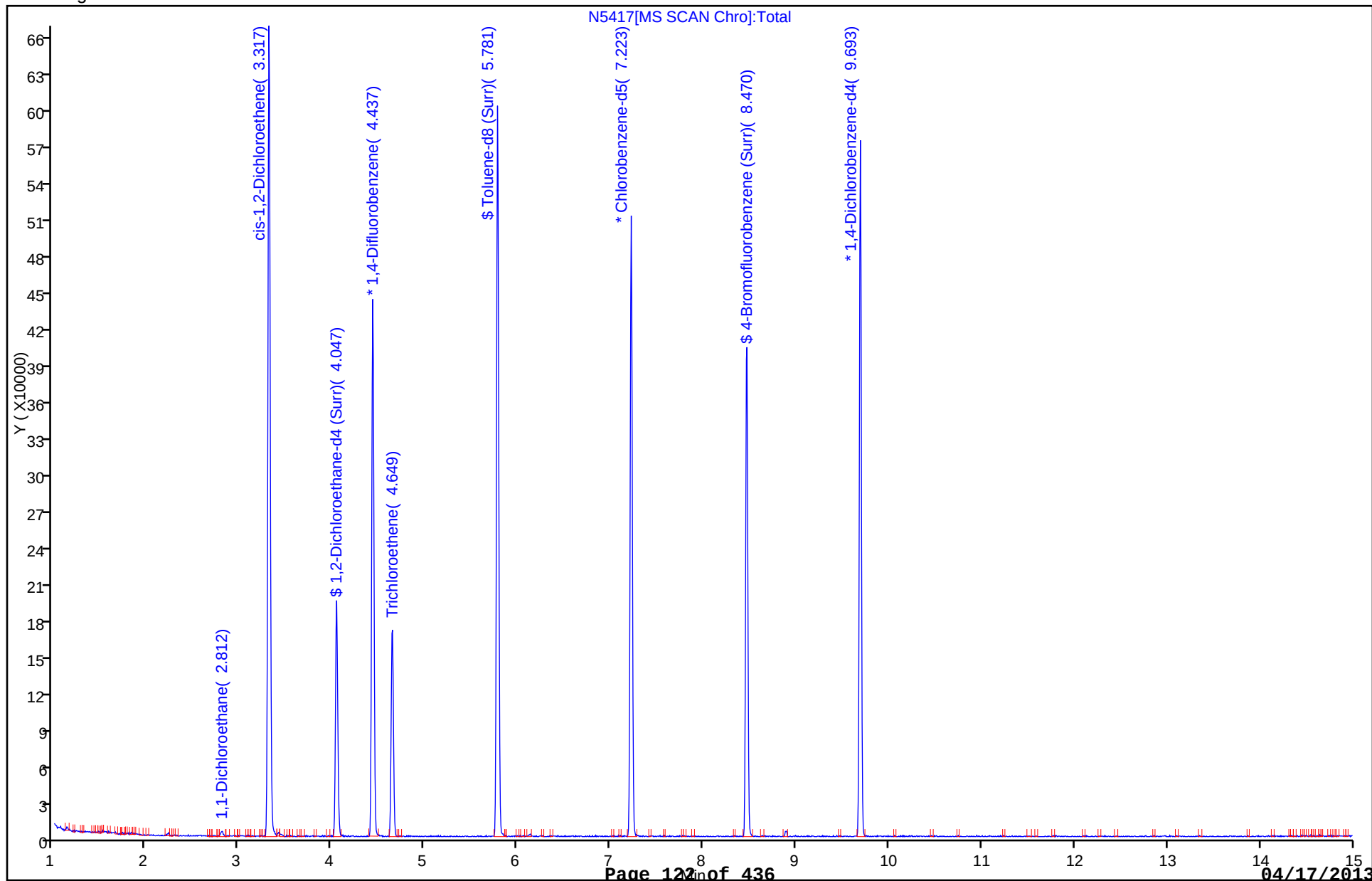
Operator ID: RAL

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5417.D

Injection Date: 09-Apr-2013 00:08:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973N

Lims Batch ID: 111593

Lims Sample ID: 9

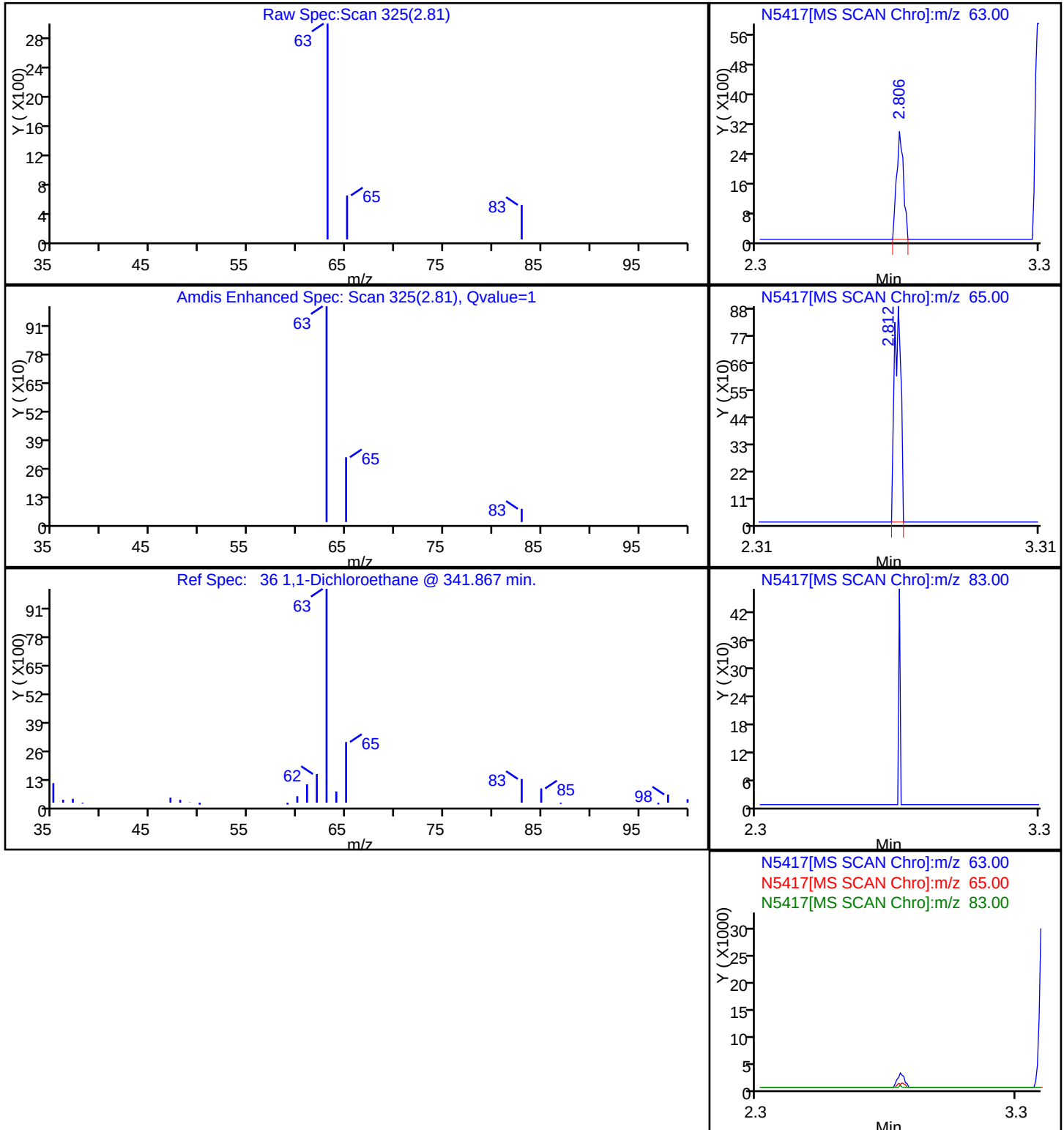
Operator ID: RAL

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

36 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5417.D

Injection Date: 09-Apr-2013 00:08:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973N

Lims Batch ID: 111593

Lims Sample ID: 9

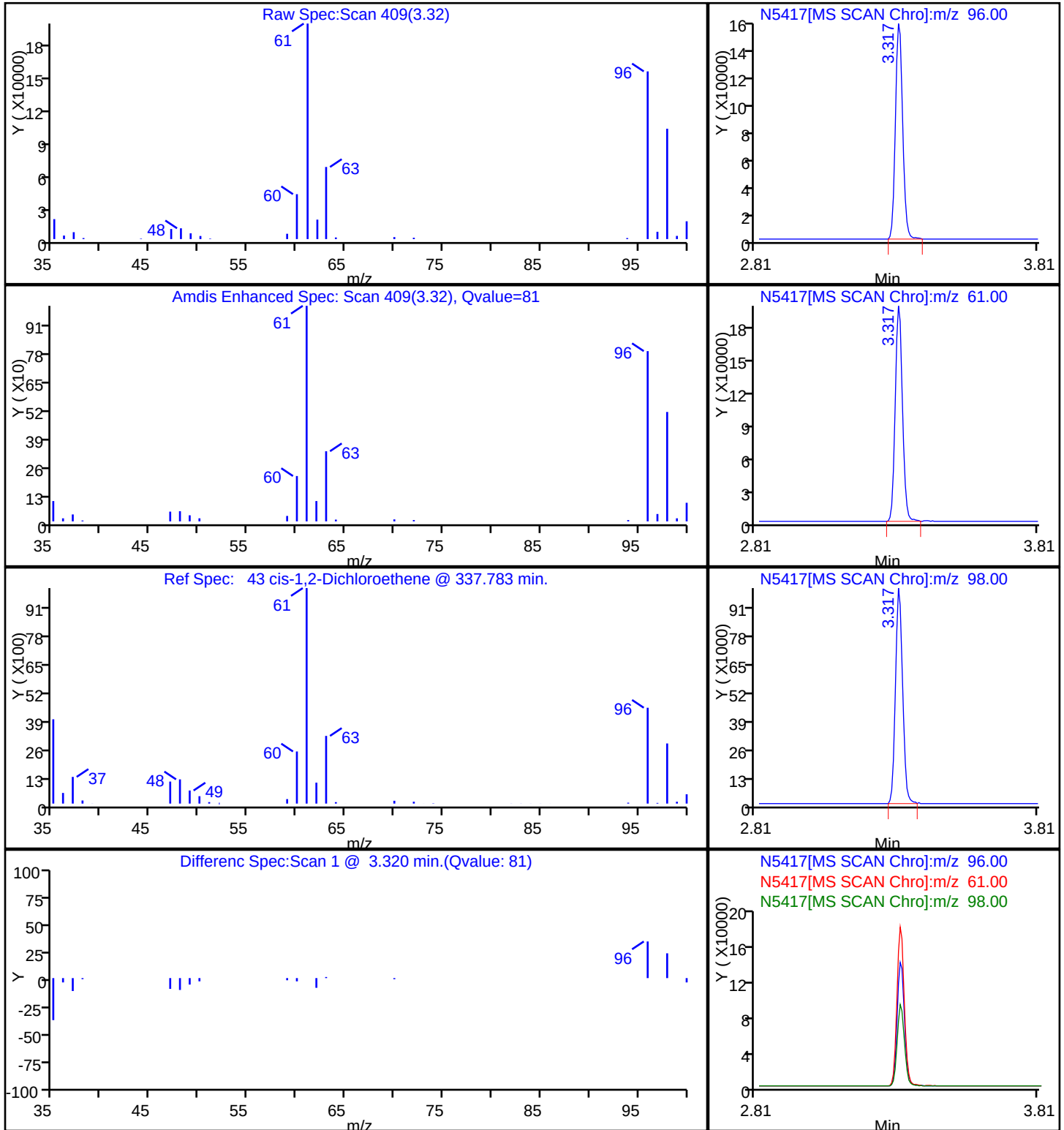
Operator ID: RAL

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5417.D

Injection Date: 09-Apr-2013 00:08:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973N

Lims Batch ID: 111593

Lims Sample ID: 9

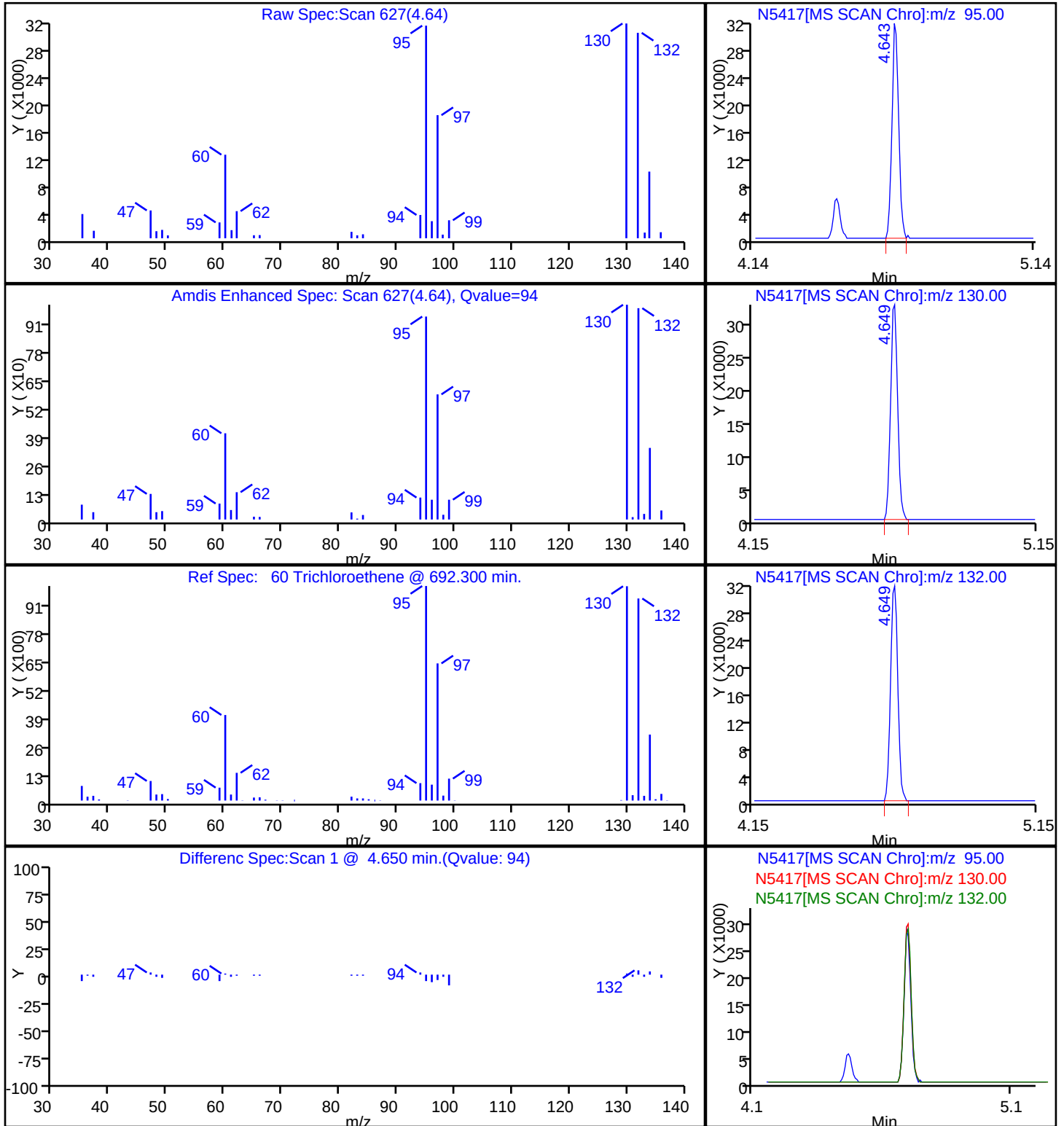
Operator ID: RAL

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

60 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-6 Lab Sample ID: 480-35528-4

Matrix: Ground Water Lab File ID: N5364.D

Analysis Method: 8260B Date Collected: 04/02/2013 13:15

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 14:43

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.: 111319 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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: MW-6 Lab Sample ID: 480-35528-4
 Matrix: Ground Water Lab File ID: N5364.D
 Analysis Method: 8260B Date Collected: 04/02/2013 13:15
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 14:43
 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.: 111319 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)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	90		73-120
2037-26-5	Toluene-d8 (Surr)	99		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5364.D
 Lims ID: 480-35528-A-4 Client ID: MW-6
 Inject. Date: 06-Apr-2013 14:43:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-35528-A-4
 Misc. Info.: 480-0020332-031
 Operator: TF Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 6
 Lims Batch ID: 111319 Lims Sample ID: 31
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
 Last Update: 08-Apr-2013 13:15:50 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 13:15:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.436	4.437	-0.001	91	326626	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	274693	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	95	151336	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	88	120888	26.3	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	358091	24.7	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	88	113112	22.6	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62		1.066					
15 Bromomethane	94		1.243					
16 Chloroethane	64		1.310					
18 Trichlorofluoromethane	101		1.444					
22 1,1-Dichloroethene	96		1.803					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43		1.900					
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.800					
43 cis-1,2-Dichloroethene	96		3.317					
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
52 Cyclohexane	56		3.713					
51 1,1,1-Trichloroethane	97		3.713					
53 Carbon tetrachloride	117		3.841					
55 Benzene	78		4.041					
57 1,2-Dichloroethane	62		4.108					
60 Trichloroethene	95		4.644					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.759					
63 1,2-Dichloropropane	63		4.863					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.733				9	
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					
90 m-Xylene & p-Xylene	106		7.485					
91 o-Xylene	106		7.892					
92 Styrene	104		7.923					
93 Bromoform	173		8.142					
95 Isopropylbenzene	105		8.282					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.561					
S 126 Xylenes, Total	1		30.000				7	

QC Flag Legend

Processing Flags

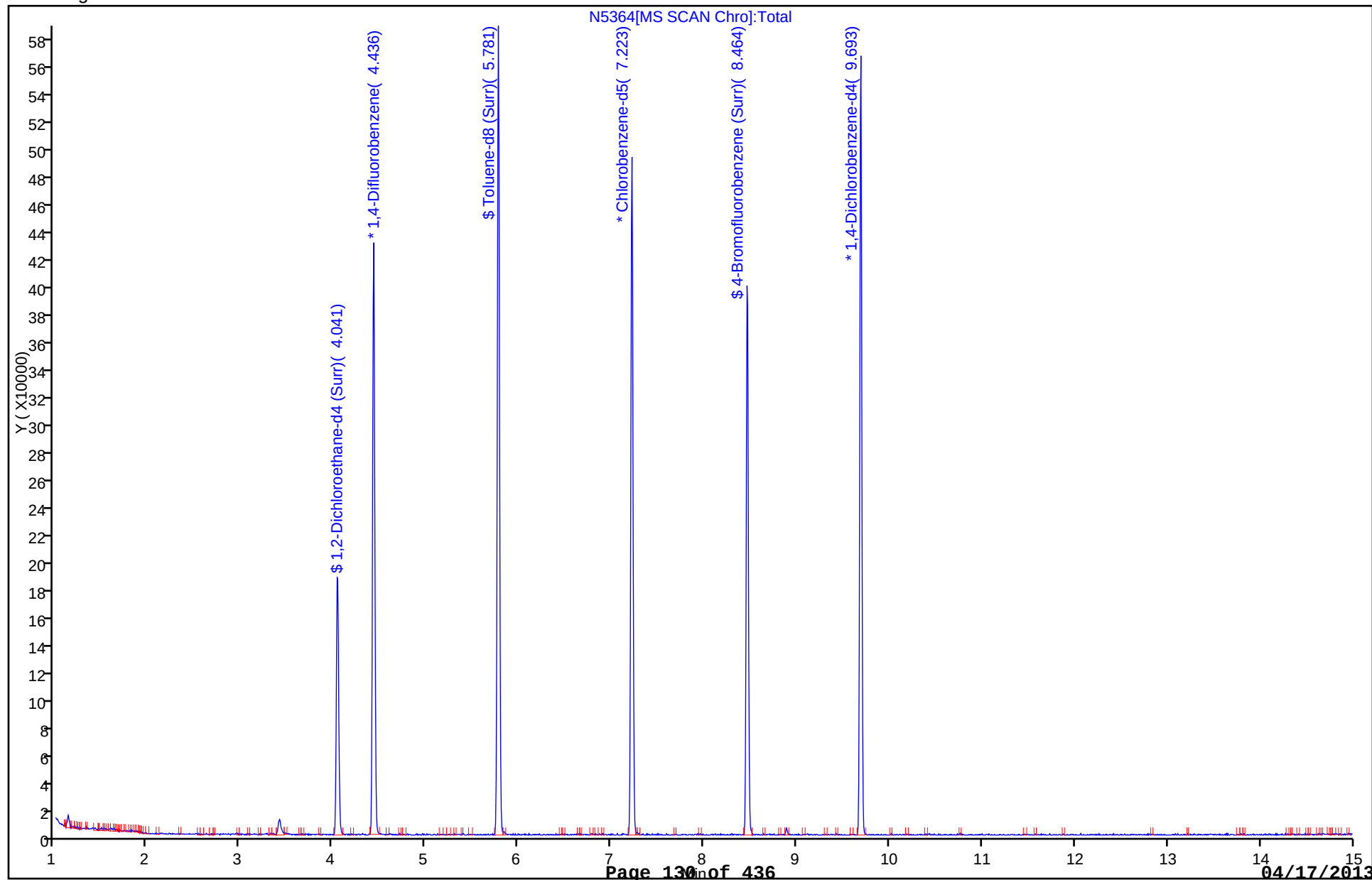
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5364.D
Injection Date: 06-Apr-2013 14:43:30 Limit Group: MV - 8260B ICAL
Client ID: MW-6 Instrument ID: HP5973N
Lims Batch ID: 111319 Lims Sample ID: 31
Operator ID: TF Purge Vol: 5.000 mL
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.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-8R Lab Sample ID: 480-35528-5

Matrix: Ground Water Lab File ID: N5399.D

Analysis Method: 8260B Date Collected: 04/02/2013 12:30

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 15:37

Soil Aliquot Vol: _____ Dilution Factor: 1000

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

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

Analysis Batch No.: 111445 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1000	820
79-34-5	1,1,2,2-Tetrachloroethane	ND		1000	210
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	310
79-00-5	1,1,2-Trichloroethane	ND		1000	230
75-34-3	1,1-Dichloroethane	ND		1000	380
75-35-4	1,1-Dichloroethene	ND		1000	290
120-82-1	1,2,4-Trichlorobenzene	ND		1000	410
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1000	390
106-93-4	1,2-Dibromoethane	ND		1000	730
95-50-1	1,2-Dichlorobenzene	ND		1000	790
107-06-2	1,2-Dichloroethane	ND		1000	210
78-87-5	1,2-Dichloropropane	ND		1000	720
541-73-1	1,3-Dichlorobenzene	ND		1000	780
106-46-7	1,4-Dichlorobenzene	ND		1000	840
78-93-3	2-Butanone (MEK)	ND		10000	1300
591-78-6	2-Hexanone	ND		5000	1200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5000	2100
67-64-1	Acetone	ND		10000	3000
71-43-2	Benzene	ND		1000	410
75-27-4	Bromodichloromethane	ND		1000	390
75-25-2	Bromoform	ND		1000	260
74-83-9	Bromomethane	ND		1000	690
75-15-0	Carbon disulfide	ND		1000	190
56-23-5	Carbon tetrachloride	ND		1000	270
108-90-7	Chlorobenzene	ND		1000	750
75-00-3	Chloroethane	ND		1000	320
67-66-3	Chloroform	ND		1000	340
74-87-3	Chloromethane	ND		1000	350
156-59-2	cis-1,2-Dichloroethene	37000		1000	810
10061-01-5	cis-1,3-Dichloropropene	ND		1000	360
110-82-7	Cyclohexane	ND		1000	180
124-48-1	Dibromochloromethane	ND		1000	320
75-71-8	Dichlorodifluoromethane	ND		1000	680
100-41-4	Ethylbenzene	ND		1000	740
98-82-8	Isopropylbenzene	ND		1000	790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1
 SDG No.: _____
 Client Sample ID: MW-8R Lab Sample ID: 480-35528-5
 Matrix: Ground Water Lab File ID: N5399.D
 Analysis Method: 8260B Date Collected: 04/02/2013 12:30
 Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 15:37
 Soil Aliquot Vol: _____ Dilution Factor: 1000
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 111445 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1000	500
1634-04-4	Methyl tert-butyl ether	ND		1000	160
108-87-2	Methylcyclohexane	ND		1000	160
75-09-2	Methylene Chloride	ND		1000	440
100-42-5	Styrene	ND		1000	730
127-18-4	Tetrachloroethene	ND		1000	360
108-88-3	Toluene	ND		1000	510
156-60-5	trans-1,2-Dichloroethene	ND		1000	900
10061-02-6	trans-1,3-Dichloropropene	ND		1000	370
79-01-6	Trichloroethene	64000		1000	460
75-69-4	Trichlorofluoromethane	ND		1000	880
75-01-4	Vinyl chloride	1900		1000	900
1330-20-7	Xylenes, Total	ND		2000	660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		66-137
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
2037-26-5	Toluene-d8 (Surr)	99		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5399.D
 Lims ID: 480-35528-B-5 Client ID: MW-8R
 Inject. Date: 08-Apr-2013 15:37:30 Dil. Factor: 1000.0000
 Sample Type: Client
 Sample ID: 480-35528-B-5
 Misc. Info.: 480-0020354-017
 Operator: LH/NQ Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 41
 Lims Batch ID: 111445 Lims Sample ID: 17
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N-8260.m
 Last Update: 08-Apr-2013 18:25:05 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK002

First Level Reviewer: larsonr

Date: 08-Apr-2013 18:26:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.431	0.006	91	314359	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	82	274557	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	148802	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	85	113607	25.7	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	357688	24.7	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	116600	23.3	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62	1.066	1.066	0.0	34	7477	1.92	
15 Bromomethane	94		1.249					
16 Chloroethane	64		1.310					
18 Trichlorofluoromethane	101		1.443					
22 1,1-Dichloroethene	96		1.802					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43		1.906					
25 Carbon disulfide	76		1.954					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84	2.234	2.228	0.006	30	1786	0.3801	
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63	2.812	2.800	0.012	1	2681	0.3428	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	82	168209	37.0	
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.846					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.108					
60 Trichloroethene	95	4.643	4.643	0.0	96	268675	64.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.753					9
63 1,2-Dichloropropane	63		4.862					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732					9
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.929					
93 Bromoform	173		8.148					
95 Isopropylbenzene	105		8.281					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.620					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.560					
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5399.D

Injection Date: 08-Apr-2013 15:37:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8R

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 17

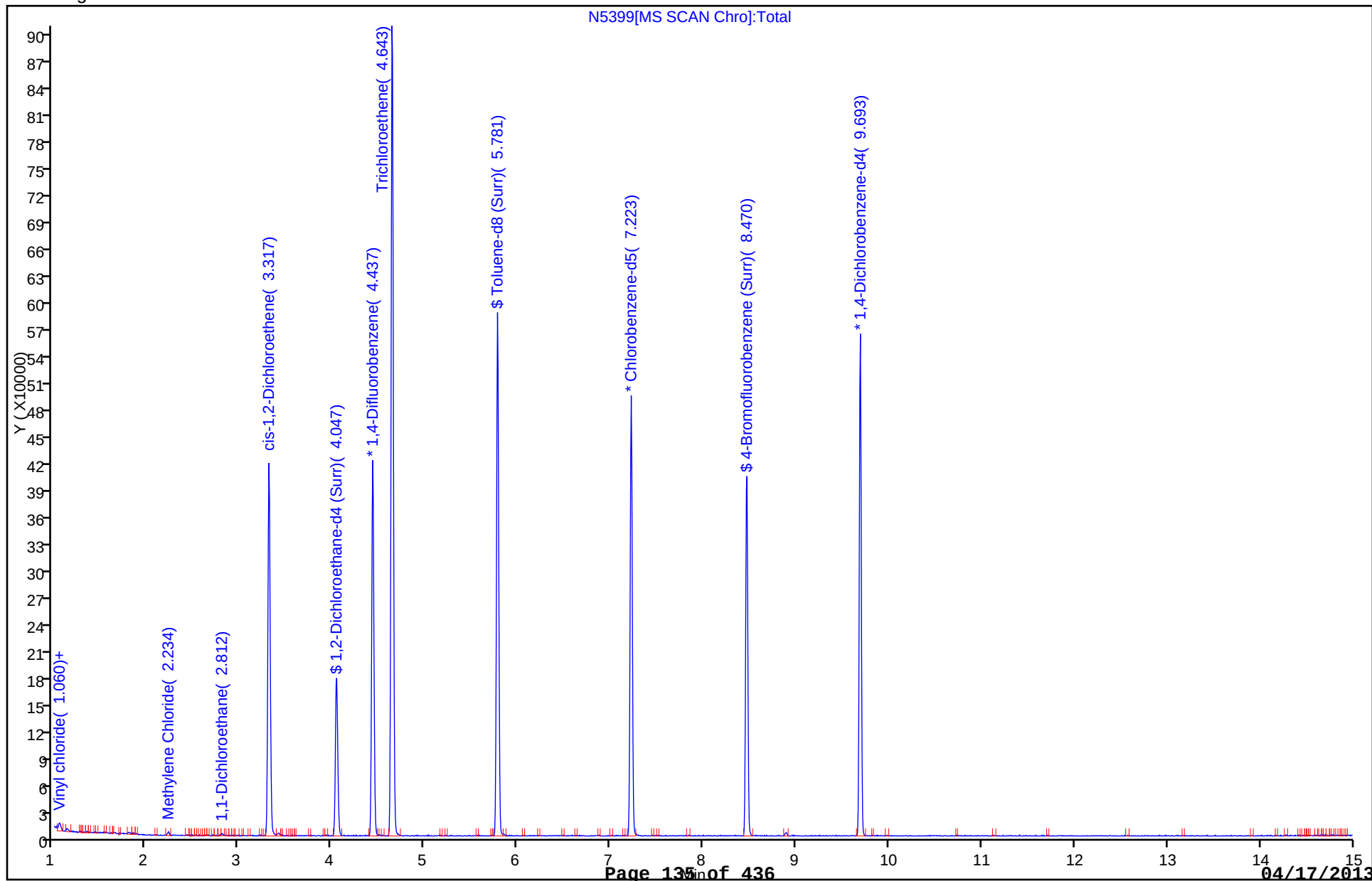
Operator ID: LH/NQ

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5399.D

Injection Date: 08-Apr-2013 15:37:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8R

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 17

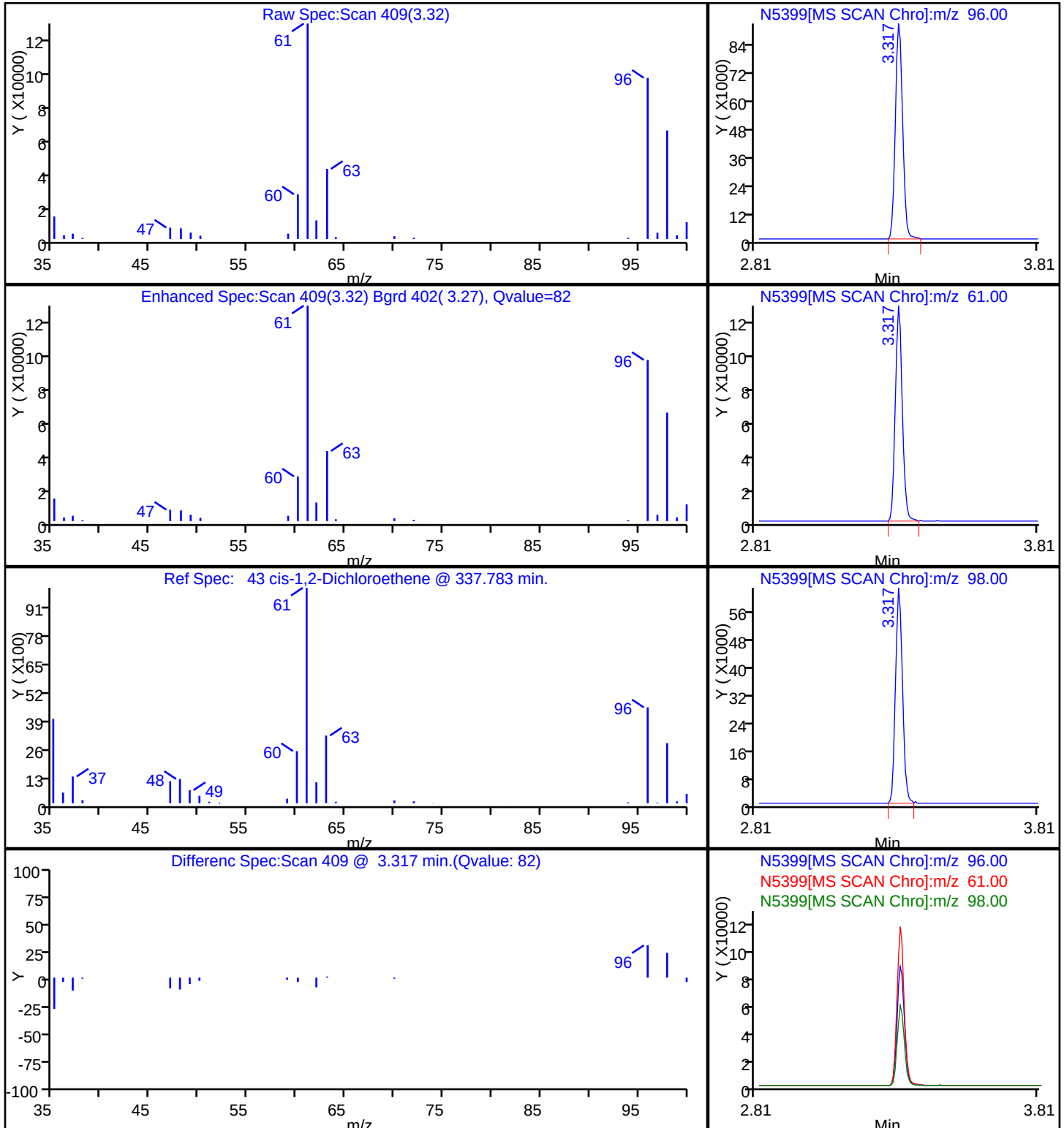
Operator ID: LH/NQ

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5399.D

Injection Date: 08-Apr-2013 15:37:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8R

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 17

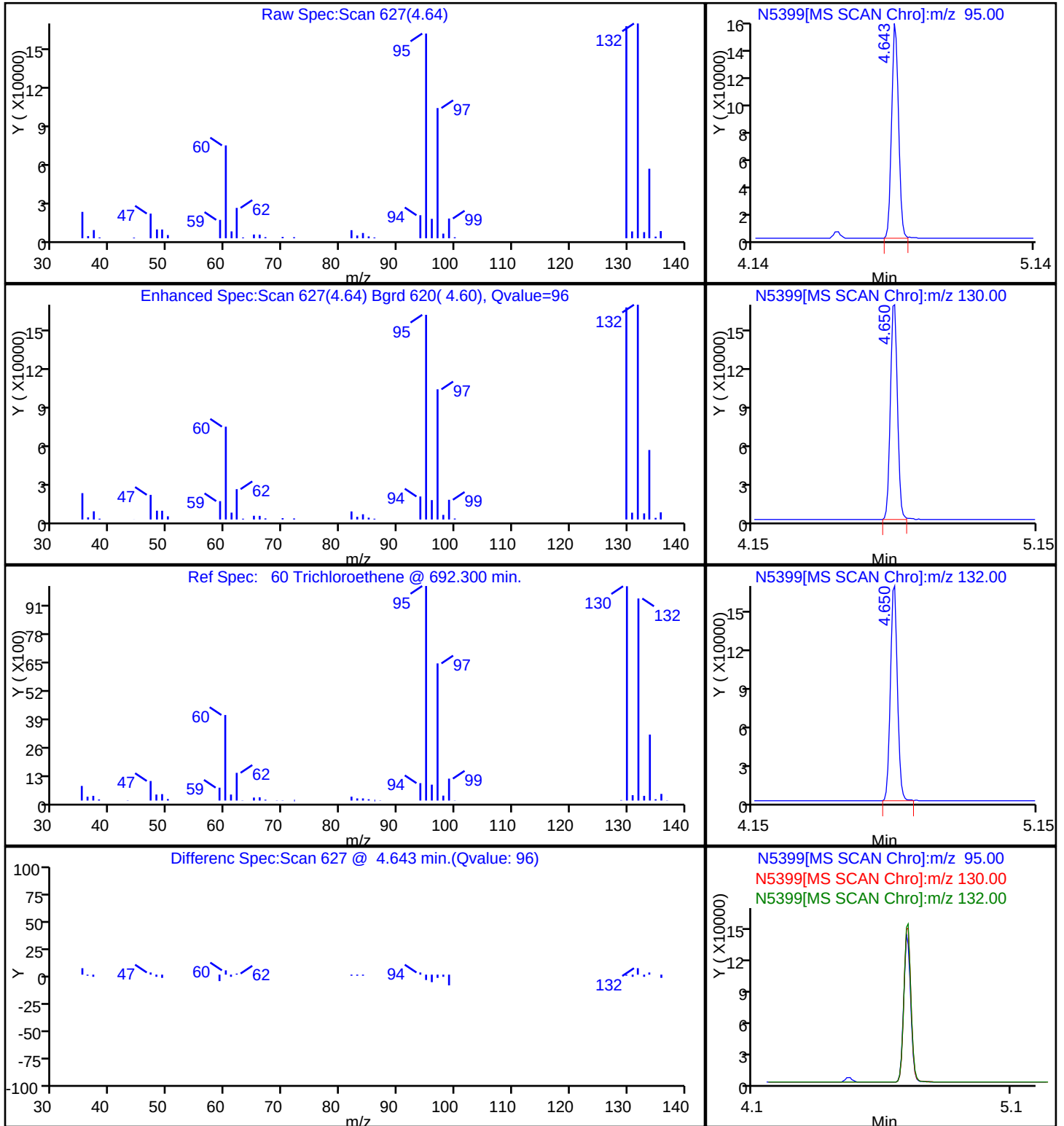
Operator ID: LH/NQ

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

60 Trichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5399.D

Injection Date: 08-Apr-2013 15:37:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8R

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 17

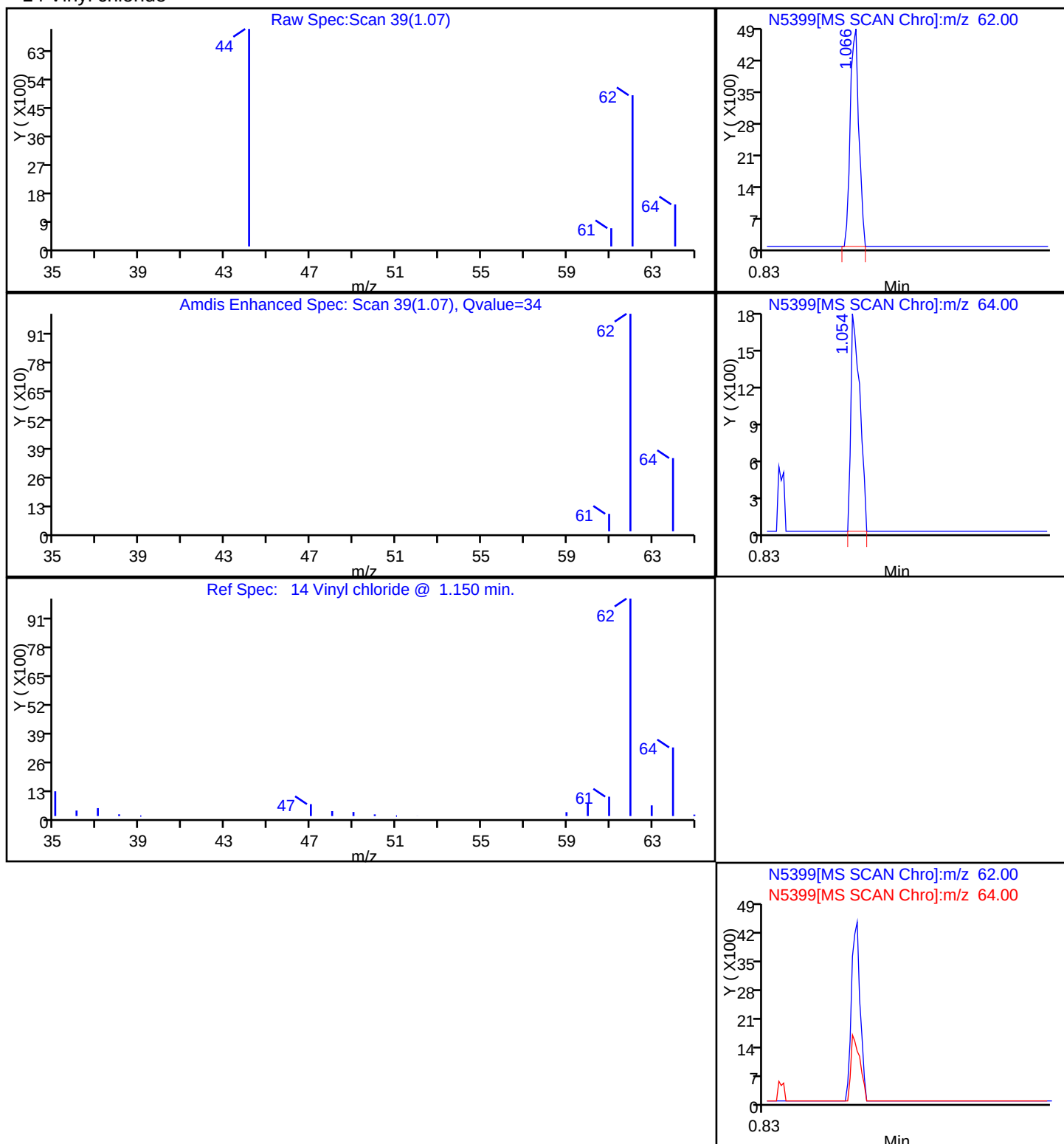
Operator ID: LH/NQ

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

14 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-9 Lab Sample ID: 480-35528-6

Matrix: Ground Water Lab File ID: N5366.D

Analysis Method: 8260B Date Collected: 04/02/2013 09:30

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 15:30

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.: 111319 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	62		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	1.1		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	5.9		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	16		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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: MW-9 Lab Sample ID: 480-35528-6
 Matrix: Ground Water Lab File ID: N5366.D
 Analysis Method: 8260B Date Collected: 04/02/2013 09:30
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 15:30
 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.: 111319 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	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)	109		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	100		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5366.D
 Lims ID: 480-35528-A-6 Client ID: MW-9
 Inject. Date: 06-Apr-2013 15:30:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-35528-A-6
 Misc. Info.: 480-0020332-033
 Operator: TF Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 8
 Lims Batch ID: 111319 Lims Sample ID: 33
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
 Last Update: 08-Apr-2013 13:17:46 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 13:17:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	312940	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	271845	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	95	149505	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	84	119579	27.1	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	358885	25.0	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	112696	22.7	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62	1.060	1.066	-0.006	96	66848	17.3	
15 Bromomethane	94		1.243					
16 Chloroethane	64	1.316	1.310	0.006	57	11089	5.86	
18 Trichlorofluoromethane	101		1.444					
22 1,1-Dichloroethene	96		1.803					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43		1.900					
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96	2.435	2.429	0.006	38	1608	0.3838	
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63	2.806	2.800	0.006	97	482794	62.0	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	80	71599	15.8	
44 2-Butanone (MEK)	43		3.366					9
50 Chloroform	83		3.615					
52 Cyclohexane	56		3.713					
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	9	2249	0.3842	
53 Carbon tetrachloride	117		3.841					
55 Benzene	78		4.041					
57 1,2-Dichloroethane	62	4.114	4.108	0.006	42	6275	1.11	
60 Trichloroethene	95		4.644					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.759					
63 1,2-Dichloropropane	63		4.863					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.733					9
73 Toluene	92		5.842					9
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					
90 m-Xylene & p-Xylene	106		7.485					
91 o-Xylene	106		7.892					
92 Styrene	104		7.923					
93 Bromoform	173		8.142					
95 Isopropylbenzene	105		8.282					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.561					
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5366.D

Injection Date: 06-Apr-2013 15:30:30

Limit Group: MV - 8260B ICAL

Client ID: MW-9

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 33

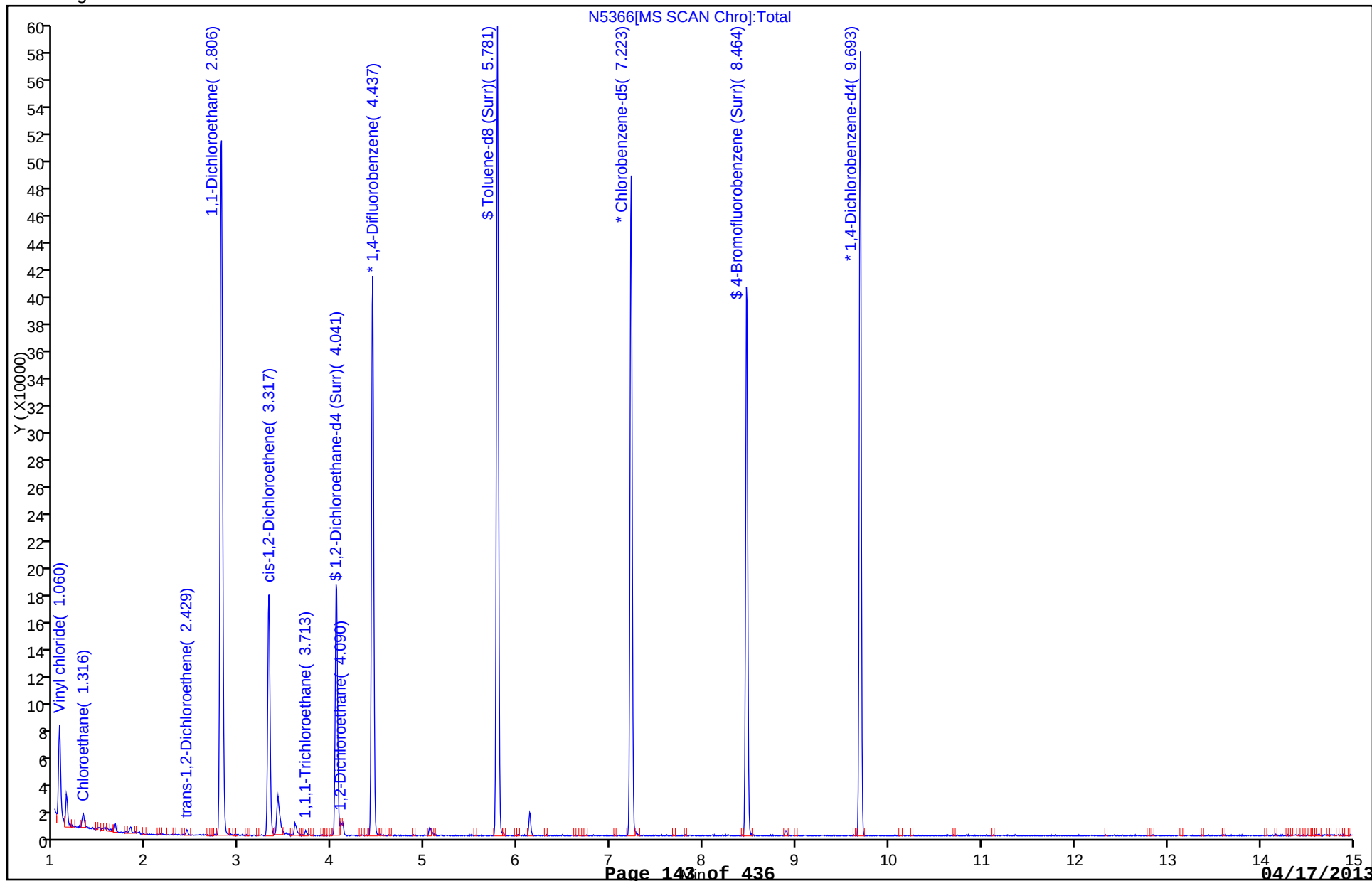
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5366.D

Injection Date: 06-Apr-2013 15:30:30

Limit Group: MV - 8260B ICAL

Client ID: MW-9

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 33

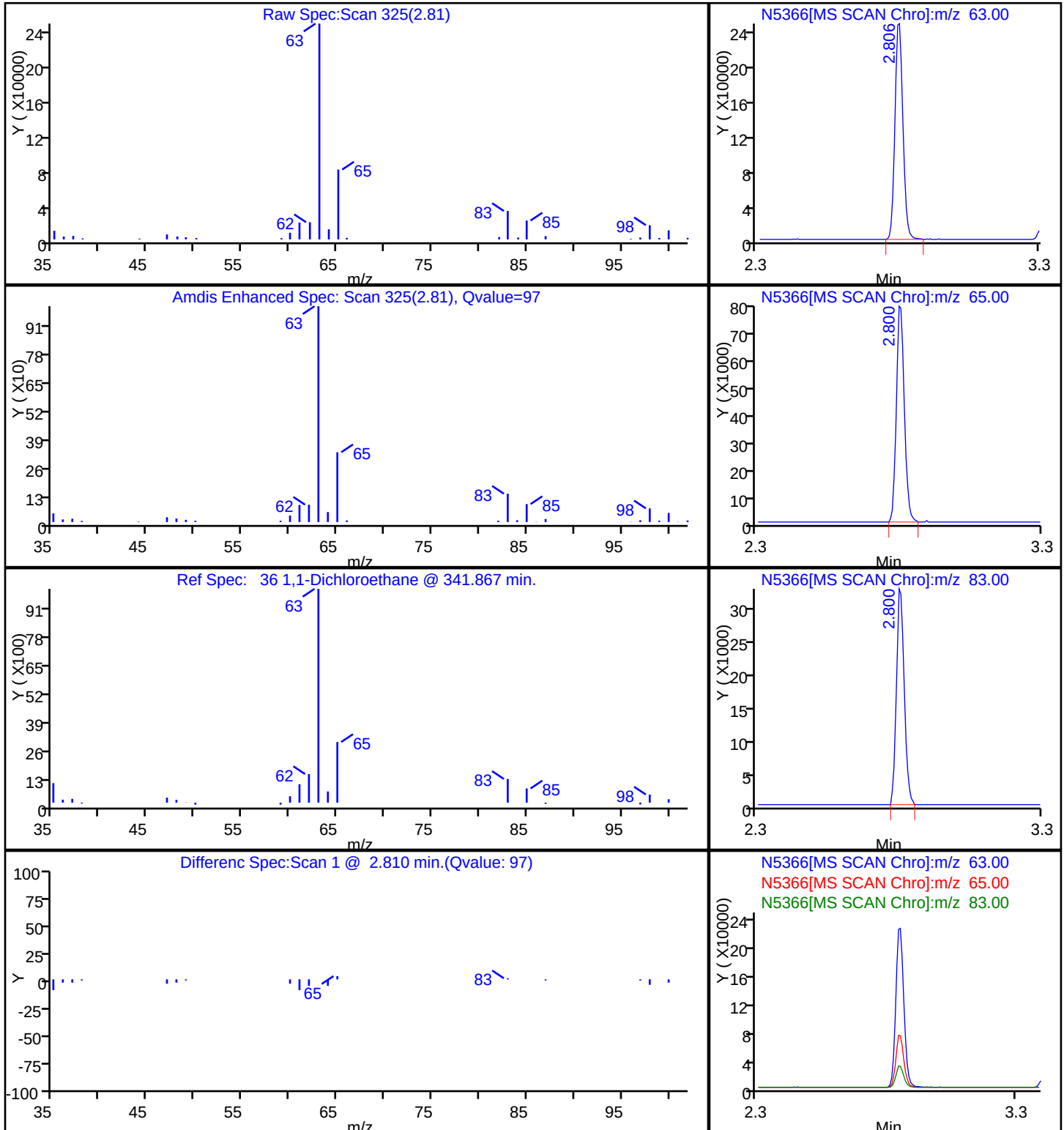
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

36 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5366.D

Injection Date: 06-Apr-2013 15:30:30

Limit Group: MV - 8260B ICAL

Client ID: MW-9

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 33

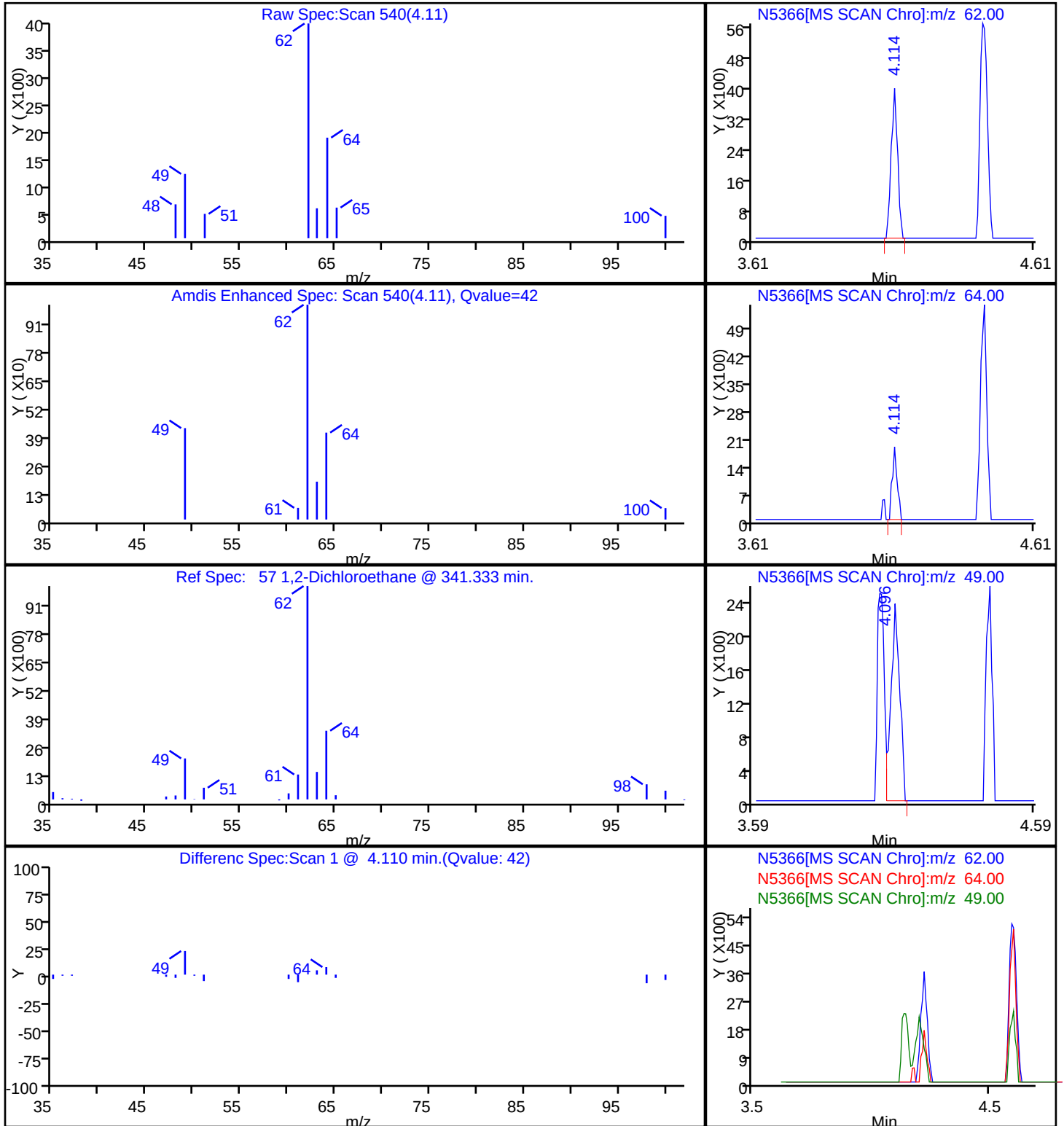
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

57 1,2-Dichloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5366.D

Injection Date: 06-Apr-2013 15:30:30

Limit Group: MV - 8260B ICAL

Client ID: MW-9

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 33

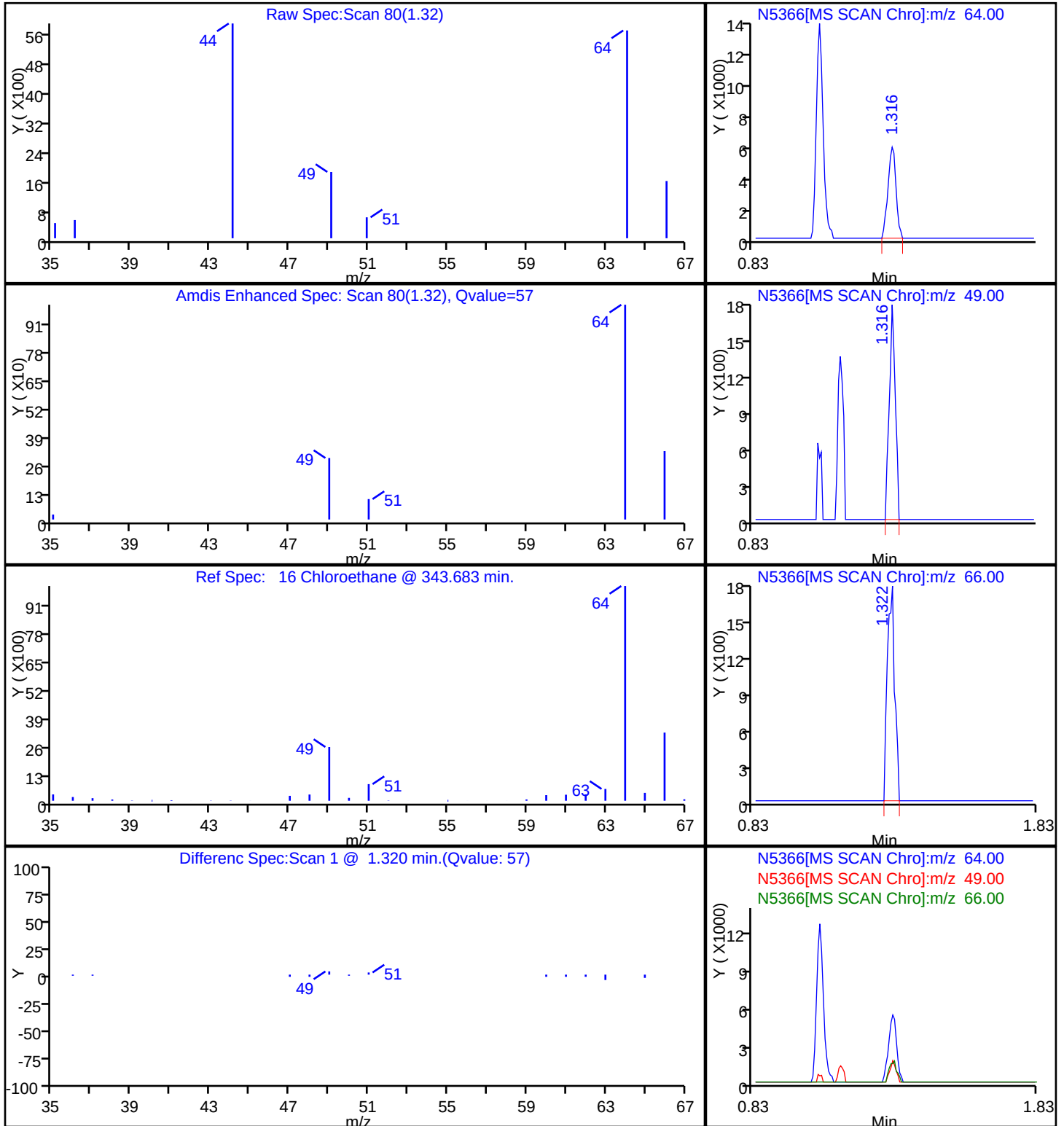
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

16 Chloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5366.D

Injection Date: 06-Apr-2013 15:30:30

Limit Group: MV - 8260B ICAL

Client ID: MW-9

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 33

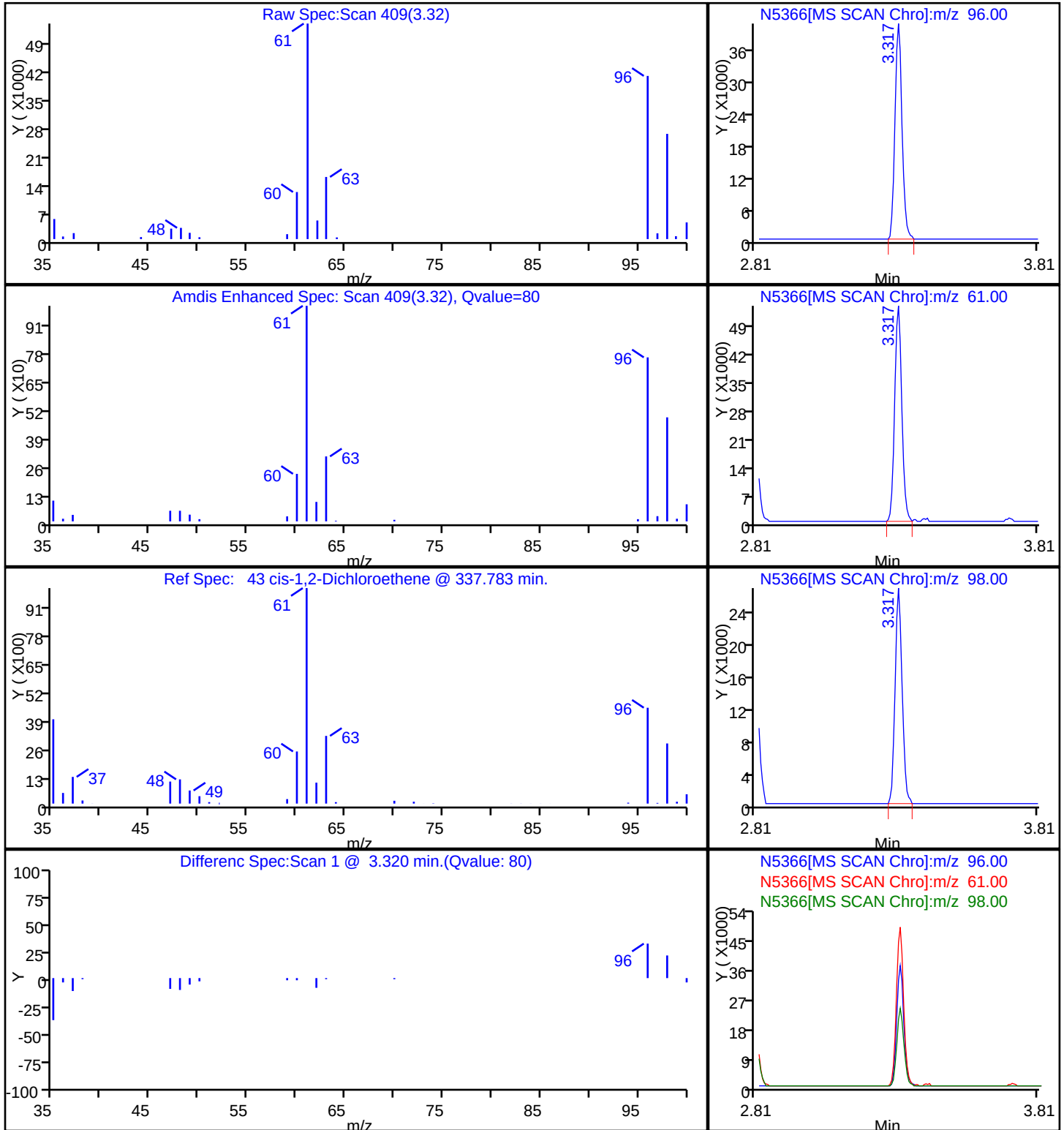
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5366.D

Injection Date: 06-Apr-2013 15:30:30

Limit Group: MV - 8260B ICAL

Client ID: MW-9

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 33

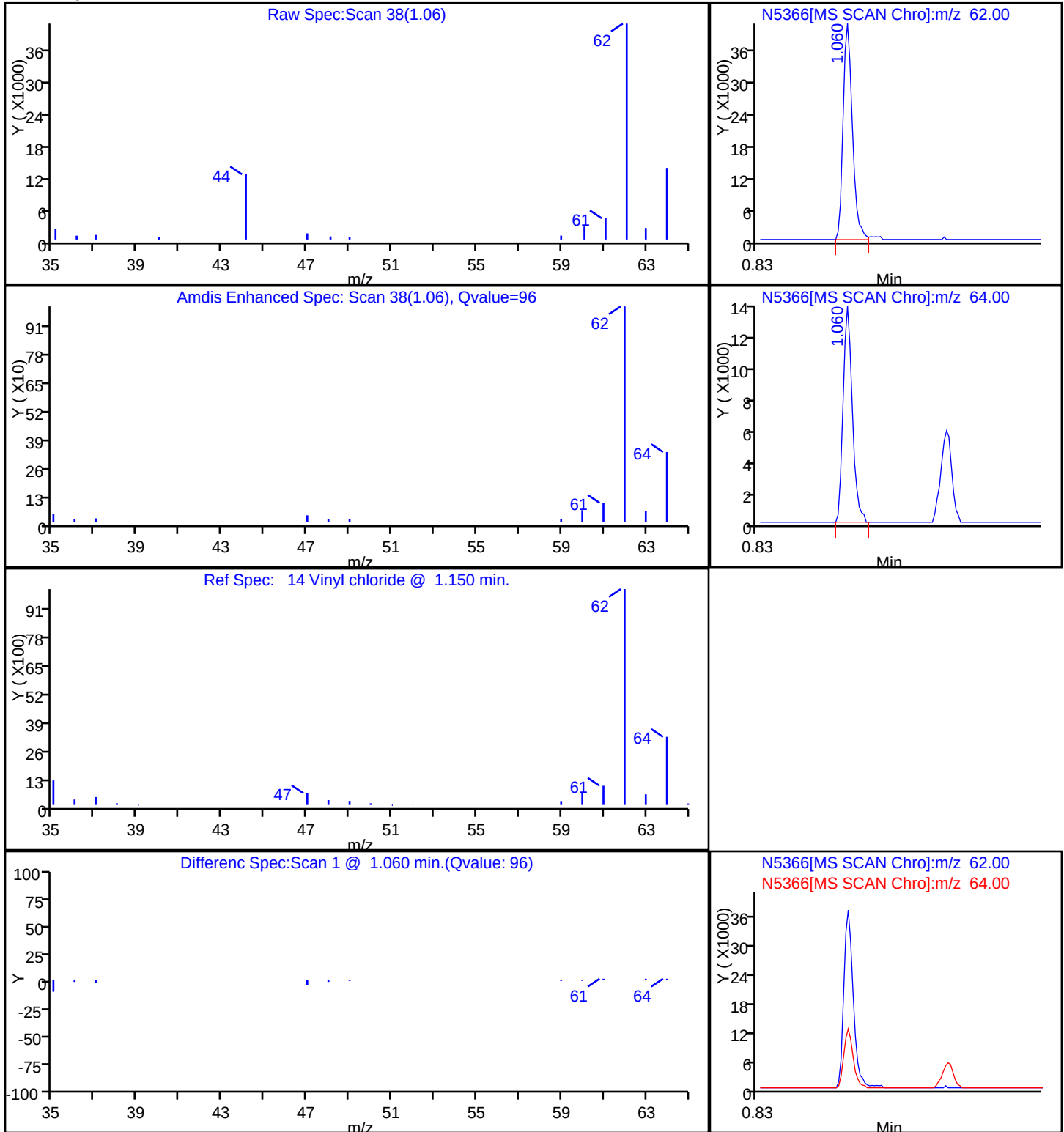
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

14 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-10 Lab Sample ID: 480-35528-7

Matrix: Ground Water Lab File ID: N5367.D

Analysis Method: 8260B Date Collected: 04/02/2013 14:25

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 15:53

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.: 111319 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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: MW-10 Lab Sample ID: 480-35528-7
 Matrix: Ground Water Lab File ID: N5367.D
 Analysis Method: 8260B Date Collected: 04/02/2013 14:25
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 15:53
 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.: 111319 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)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	87		73-120
2037-26-5	Toluene-d8 (Surr)	95		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5367.D
 Lims ID: 480-35528-A-7 Client ID: MW-10
 Inject. Date: 06-Apr-2013 15:53:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-35528-A-7
 Misc. Info.: 480-0020332-034
 Operator: TF Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 9
 Lims Batch ID: 111319 Lims Sample ID: 34
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
 Last Update: 08-Apr-2013 13:18:04 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 13:18:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	309182	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	273642	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	95	148066	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	88	114016	26.2	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	344660	23.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.464	8.470	-0.006	86	108310	21.7	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62		1.066					
15 Bromomethane	94		1.243					
16 Chloroethane	64		1.310					
18 Trichlorofluoromethane	101		1.444					
22 1,1-Dichloroethene	96		1.803					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43		1.900					
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.800					
43 cis-1,2-Dichloroethene	96		3.317					
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
52 Cyclohexane	56		3.713					
51 1,1,1-Trichloroethane	97		3.713					
53 Carbon tetrachloride	117		3.841					
55 Benzene	78		4.041					
57 1,2-Dichloroethane	62		4.108					
60 Trichloroethene	95		4.644					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.759					
63 1,2-Dichloropropane	63		4.863					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.733					9
73 Toluene	92		5.842					9
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					
90 m-Xylene & p-Xylene	106		7.485					
91 o-Xylene	106		7.892					
92 Styrene	104		7.923					
93 Bromoform	173		8.142					
95 Isopropylbenzene	105		8.282					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.561					
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

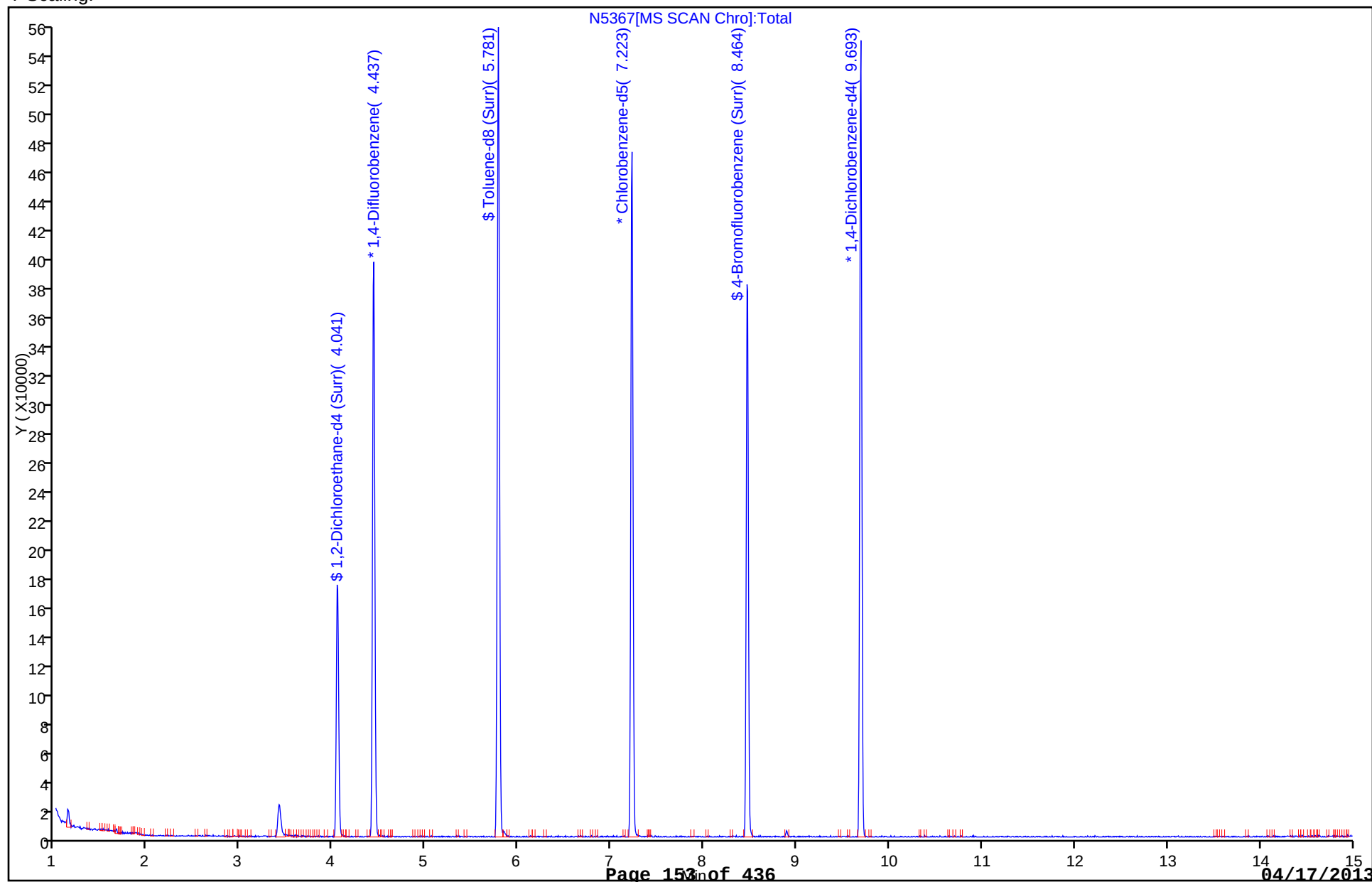
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5367.D
Injection Date: 06-Apr-2013 15:53:30 Limit Group: MV - 8260B ICAL
Client ID: MW-10 Instrument ID: HP5973N
Lims Batch ID: 111319 Lims Sample ID: 34
Operator ID: TF Purge Vol: 5.000 mL
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.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-11 Lab Sample ID: 480-35528-8

Matrix: Ground Water Lab File ID: N5368.D

Analysis Method: 8260B Date Collected: 04/02/2013 12:30

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 16:17

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.: 111319 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.4		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	13		1.0	0.38
75-35-4	1,1-Dichloroethene	2.0		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	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	55		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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: MW-11 Lab Sample ID: 480-35528-8
 Matrix: Ground Water Lab File ID: N5368.D
 Analysis Method: 8260B Date Collected: 04/02/2013 12:30
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 16:17
 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.: 111319 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	24		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)	108		66-137
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
2037-26-5	Toluene-d8 (Surr)	97		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5368.D
 Lims ID: 480-35528-A-8 Client ID: MW-11
 Inject. Date: 06-Apr-2013 16:17:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-35528-A-8
 Misc. Info.: 480-0020332-035
 Operator: TF Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 10
 Lims Batch ID: 111319 Lims Sample ID: 35
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
 Last Update: 08-Apr-2013 13:19:38 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 13:19:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	-0.001	91	300798	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	264628	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	95	142899	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	88	114119	26.9	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	338801	24.2	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	87	107036	22.2	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62	1.066	1.066	0.0	97	87916	23.6	
15 Bromomethane	94		1.243					
16 Chloroethane	64	1.316	1.310	0.006	95	26697	17.2	
18 Trichlorofluoromethane	101		1.444					
22 1,1-Dichloroethene	96	1.814	1.803	0.011	82	5693	1.97	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43		1.900					
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96	2.435	2.429	0.006	53	2473	0.6141	
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63	2.806	2.800	0.006	94	98542	13.2	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	82	240498	55.2	
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
52 Cyclohexane	56		3.713					
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	66	8055	1.43	
53 Carbon tetrachloride	117		3.841					
55 Benzene	78		4.041					9
57 1,2-Dichloroethane	62		4.108					
60 Trichloroethene	95		4.644					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.759					
63 1,2-Dichloropropane	63		4.863					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.733					9
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					
90 m-Xylene & p-Xylene	106		7.485					
91 o-Xylene	106		7.892					
92 Styrene	104		7.923					
93 Bromoform	173		8.142					
95 Isopropylbenzene	105		8.282					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.561					
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5368.D

Injection Date: 06-Apr-2013 16:17:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 35

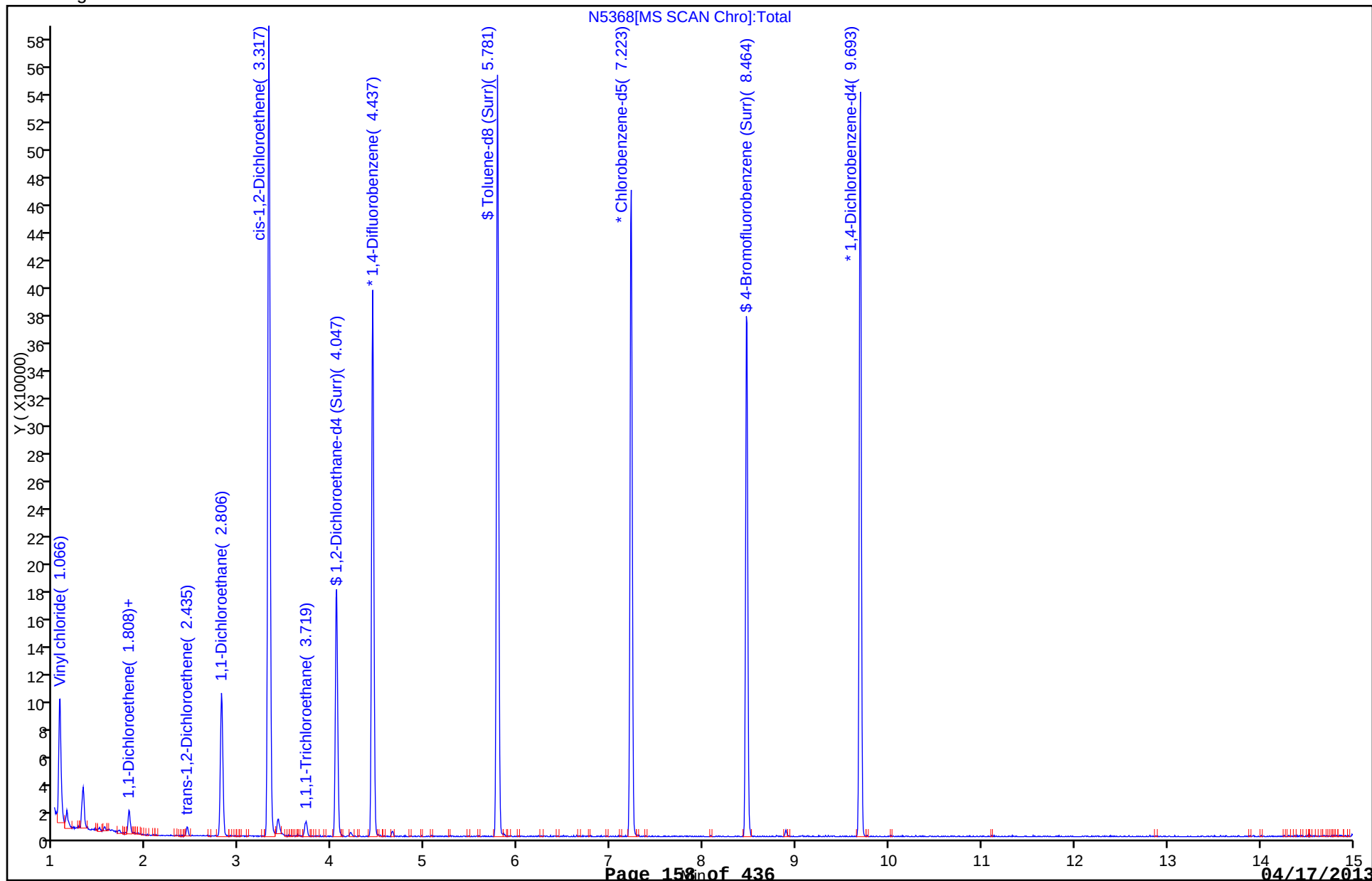
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5368.D

Injection Date: 06-Apr-2013 16:17:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 35

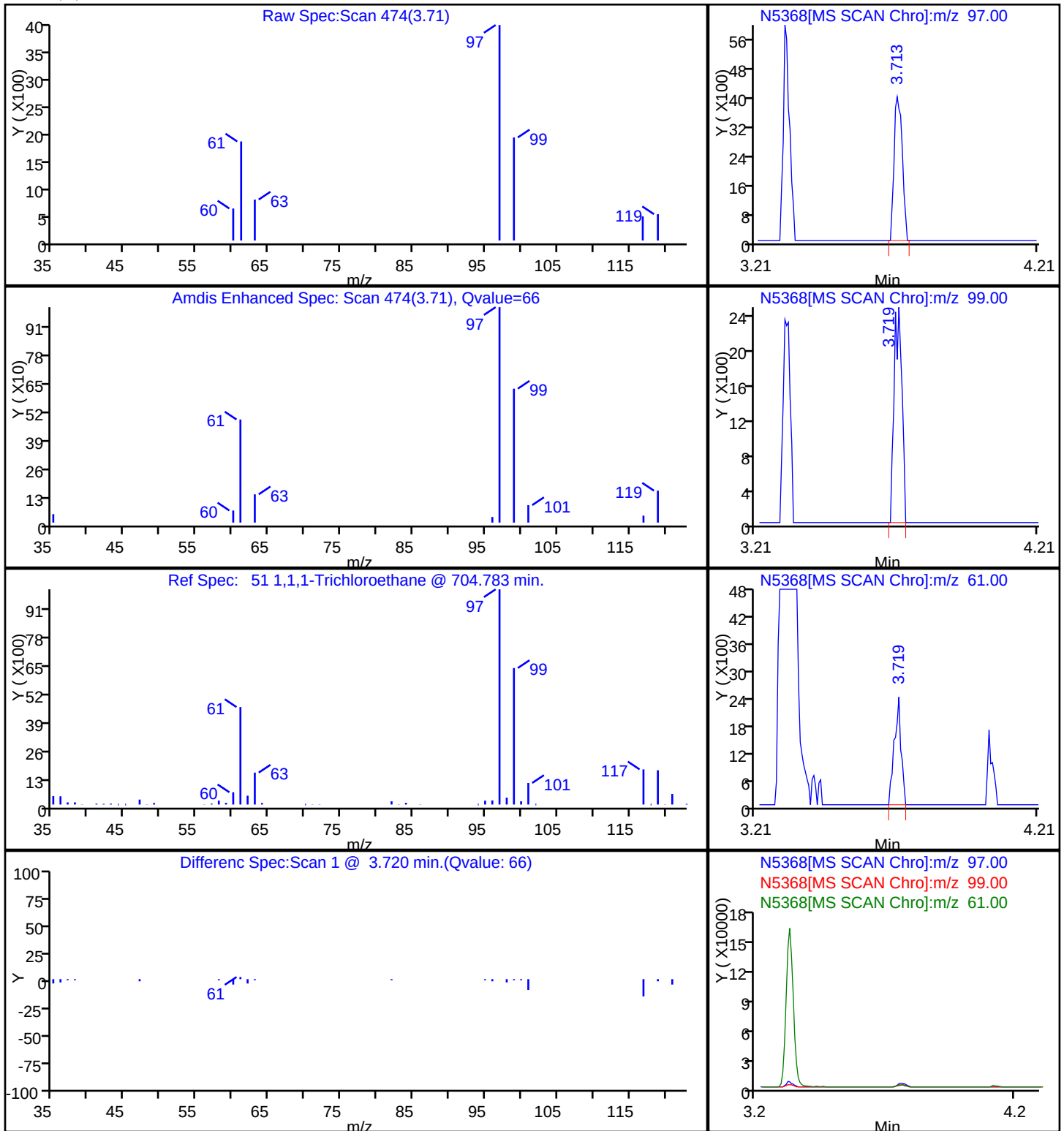
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

51 1,1,1-Trichloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5368.D

Injection Date: 06-Apr-2013 16:17:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 35

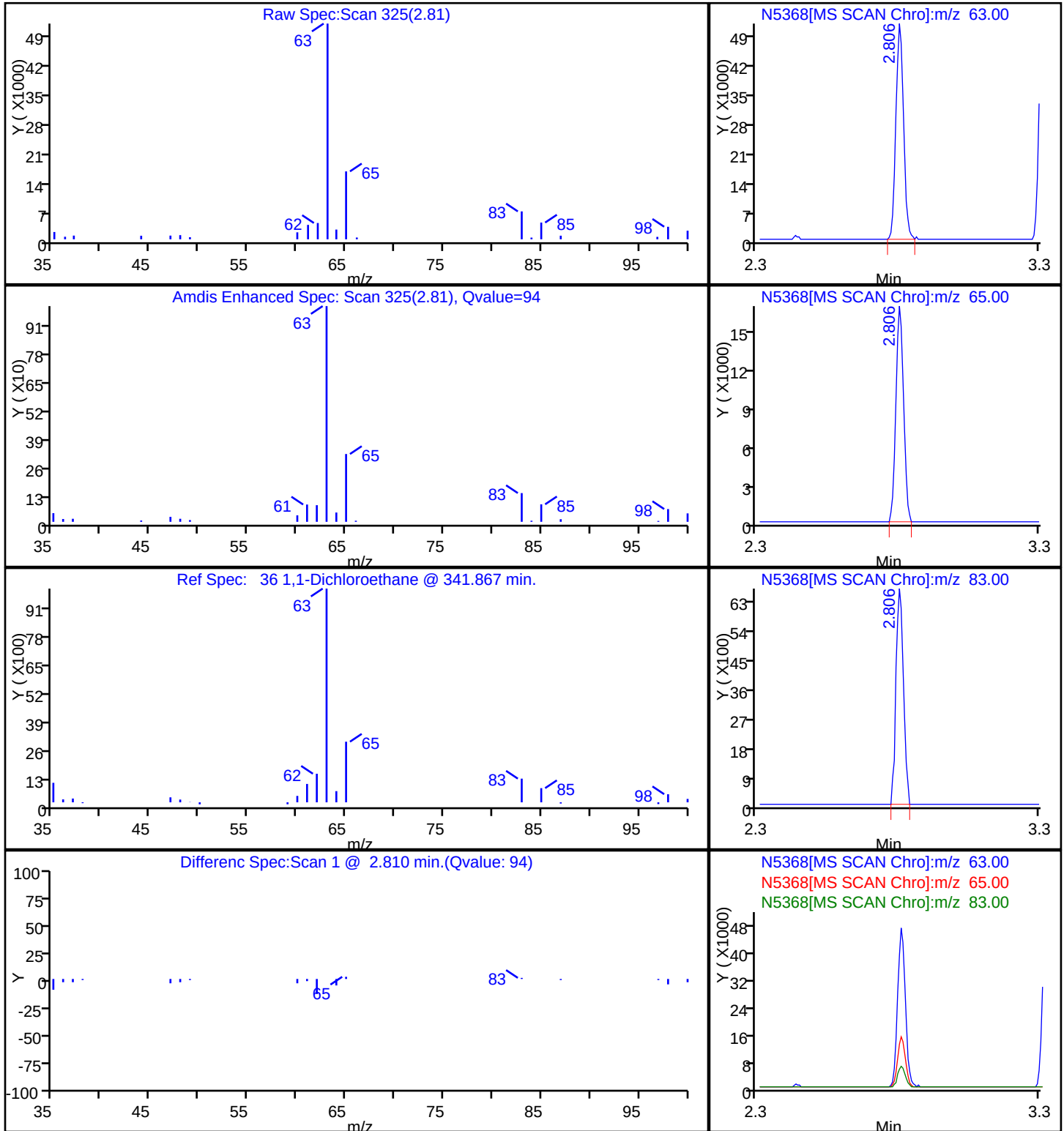
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

36 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5368.D

Injection Date: 06-Apr-2013 16:17:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 35

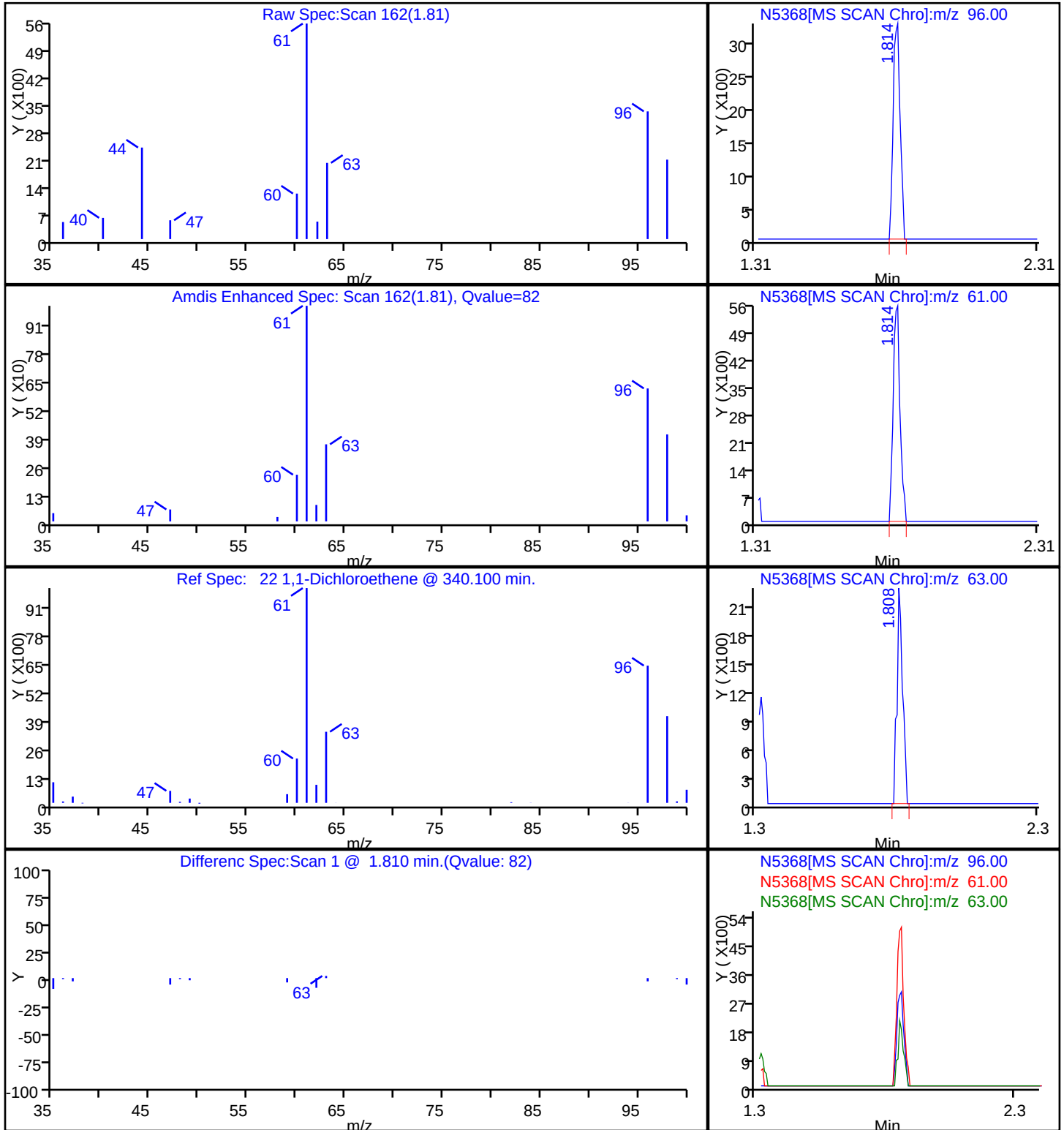
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

22 1,1-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5368.D

Injection Date: 06-Apr-2013 16:17:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 35

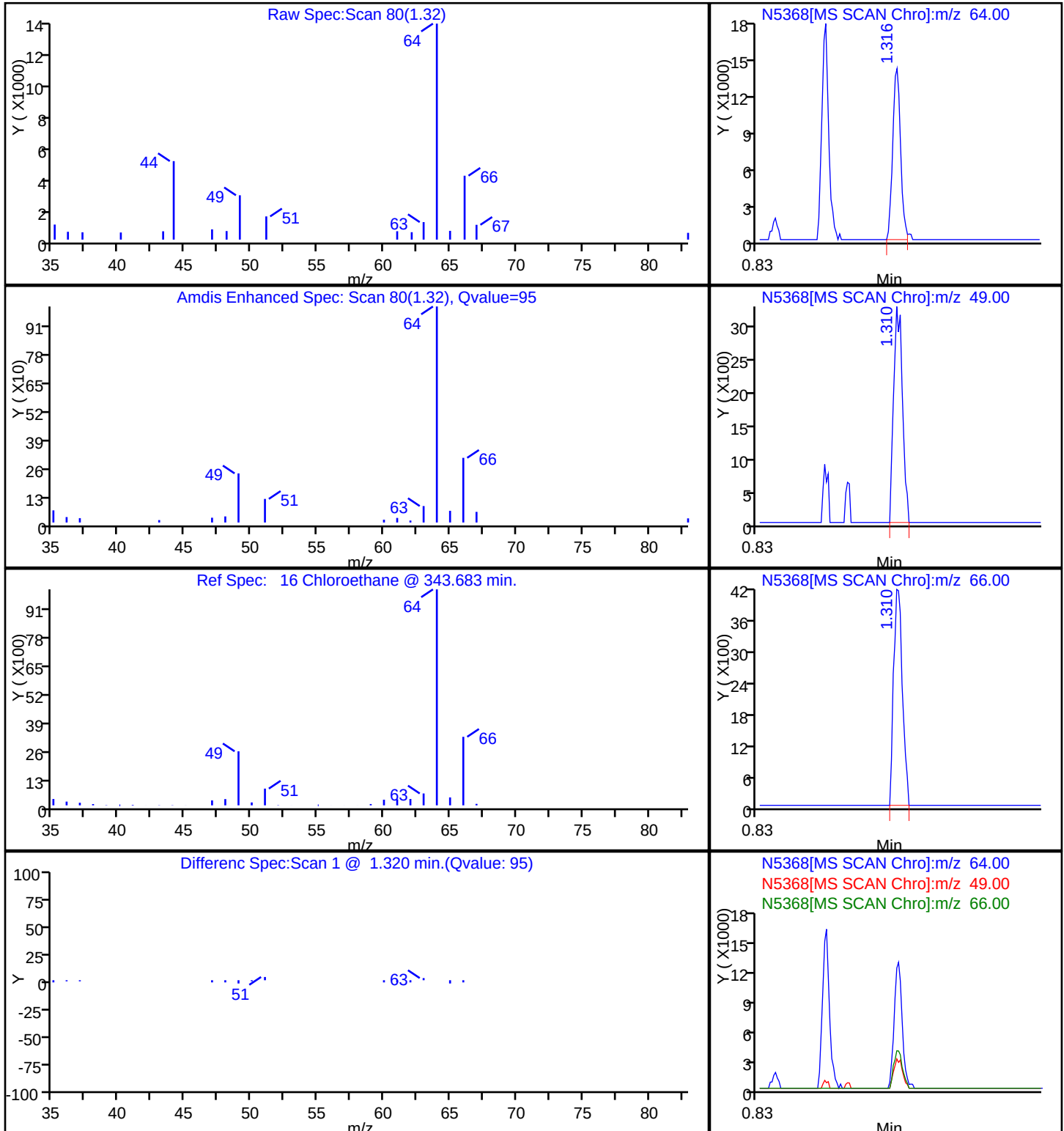
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

16 Chloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5368.D

Injection Date: 06-Apr-2013 16:17:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 35

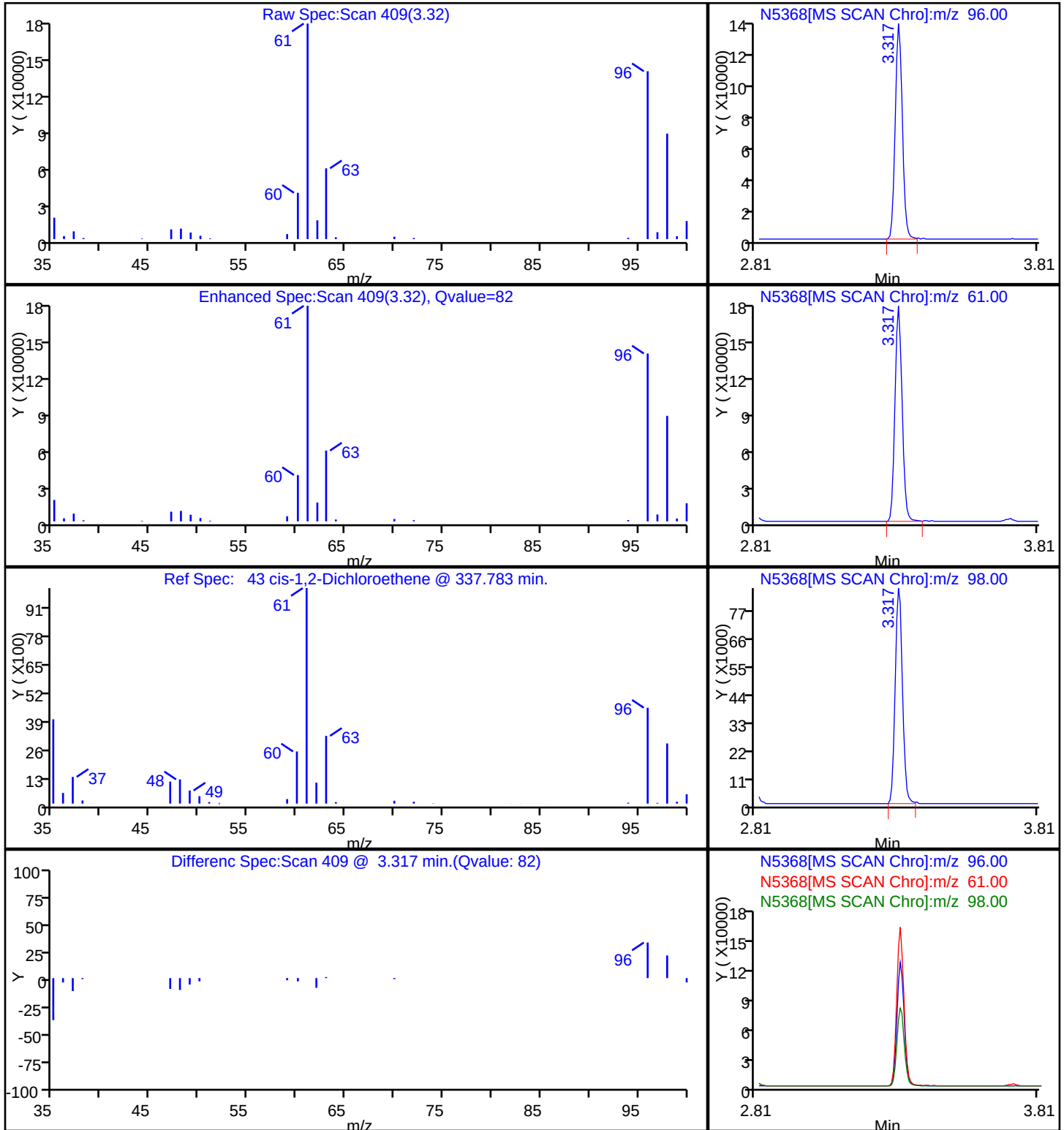
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5368.D

Injection Date: 06-Apr-2013 16:17:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 35

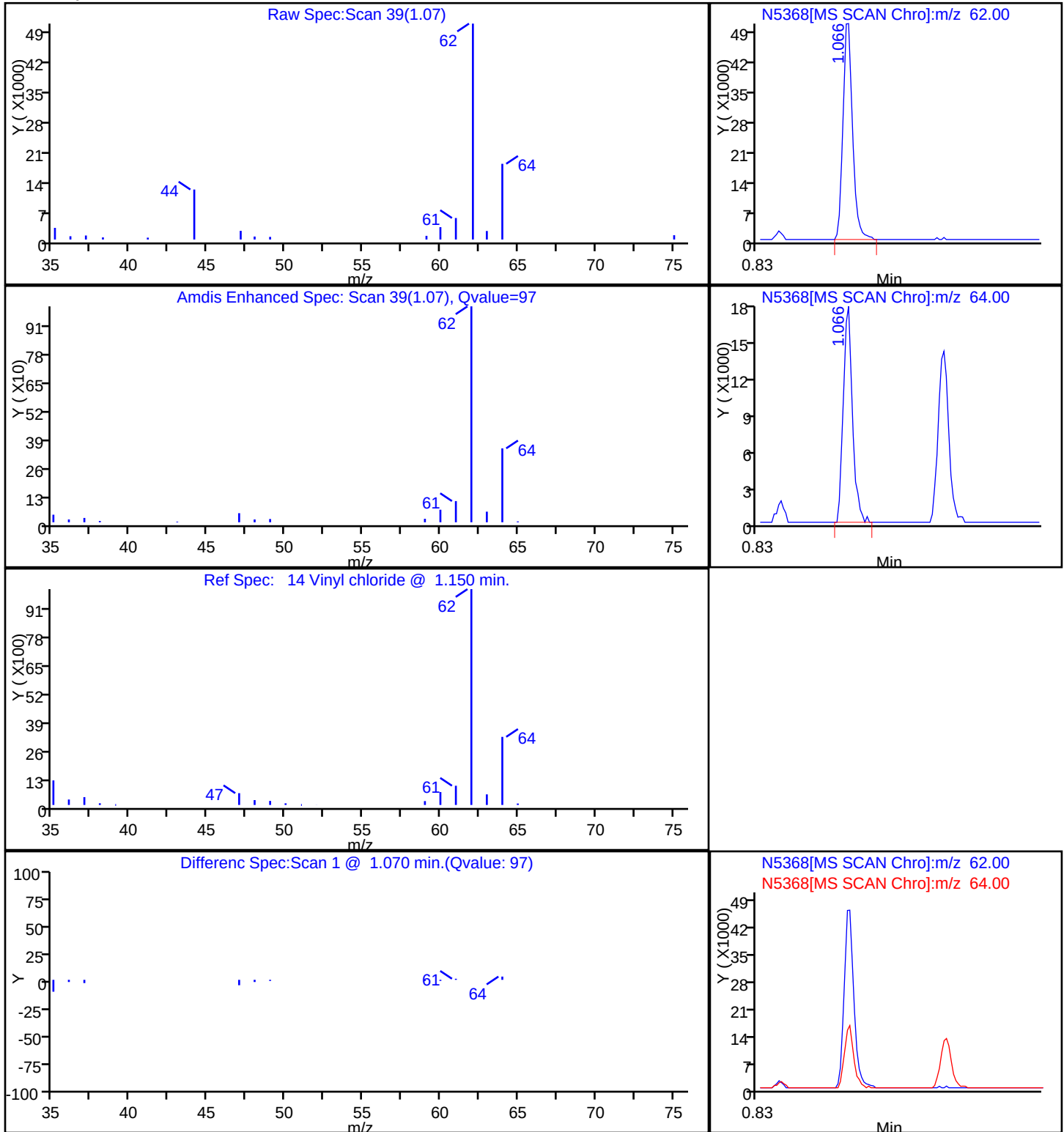
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

14 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-12 Lab Sample ID: 480-35528-9

Matrix: Ground Water Lab File ID: N5369.D

Analysis Method: 8260B Date Collected: 04/02/2013 15:15

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 16:41

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.: 111319 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	1.1		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	22		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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: MW-12 Lab Sample ID: 480-35528-9
 Matrix: Ground Water Lab File ID: N5369.D
 Analysis Method: 8260B Date Collected: 04/02/2013 15:15
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 16:41
 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.: 111319 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	1.1		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)	110		66-137
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
2037-26-5	Toluene-d8 (Surr)	99		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5369.D
 Lims ID: 480-35528-A-9 Client ID: MW-12
 Inject. Date: 06-Apr-2013 16:41:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-35528-A-9
 Misc. Info.: 480-0020332-036
 Operator: TF Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 11
 Lims Batch ID: 111319 Lims Sample ID: 36
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
 Last Update: 08-Apr-2013 13:21:11 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 13:21:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	309501	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	273070	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	146820	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	89	119491	27.4	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	358754	24.9	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	90	115171	23.1	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62	1.066	1.066	0.0	24	4114	1.07	
15 Bromomethane	94		1.243					
16 Chloroethane	64	1.316	1.310	0.006	98	34372	21.5	
18 Trichlorofluoromethane	101		1.444					
22 1,1-Dichloroethene	96		1.803					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43		1.900					
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.800					
43 cis-1,2-Dichloroethene	96		3.317					
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
52 Cyclohexane	56		3.713					
51 1,1,1-Trichloroethane	97		3.713					
53 Carbon tetrachloride	117		3.841					
55 Benzene	78	4.047	4.041	0.006	27	19167	1.14	
57 1,2-Dichloroethane	62		4.108					
60 Trichloroethene	95		4.644					

9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.759					
63 1,2-Dichloropropane	63		4.863					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.733					9
73 Toluene	92		5.842					9
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					
90 m-Xylene & p-Xylene	106		7.485					
91 o-Xylene	106		7.892					
92 Styrene	104		7.923					
93 Bromoform	173		8.142					
95 Isopropylbenzene	105		8.282					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.561					
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5369.D

Injection Date: 06-Apr-2013 16:41:30

Limit Group: MV - 8260B ICAL

Client ID: MW-12

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 36

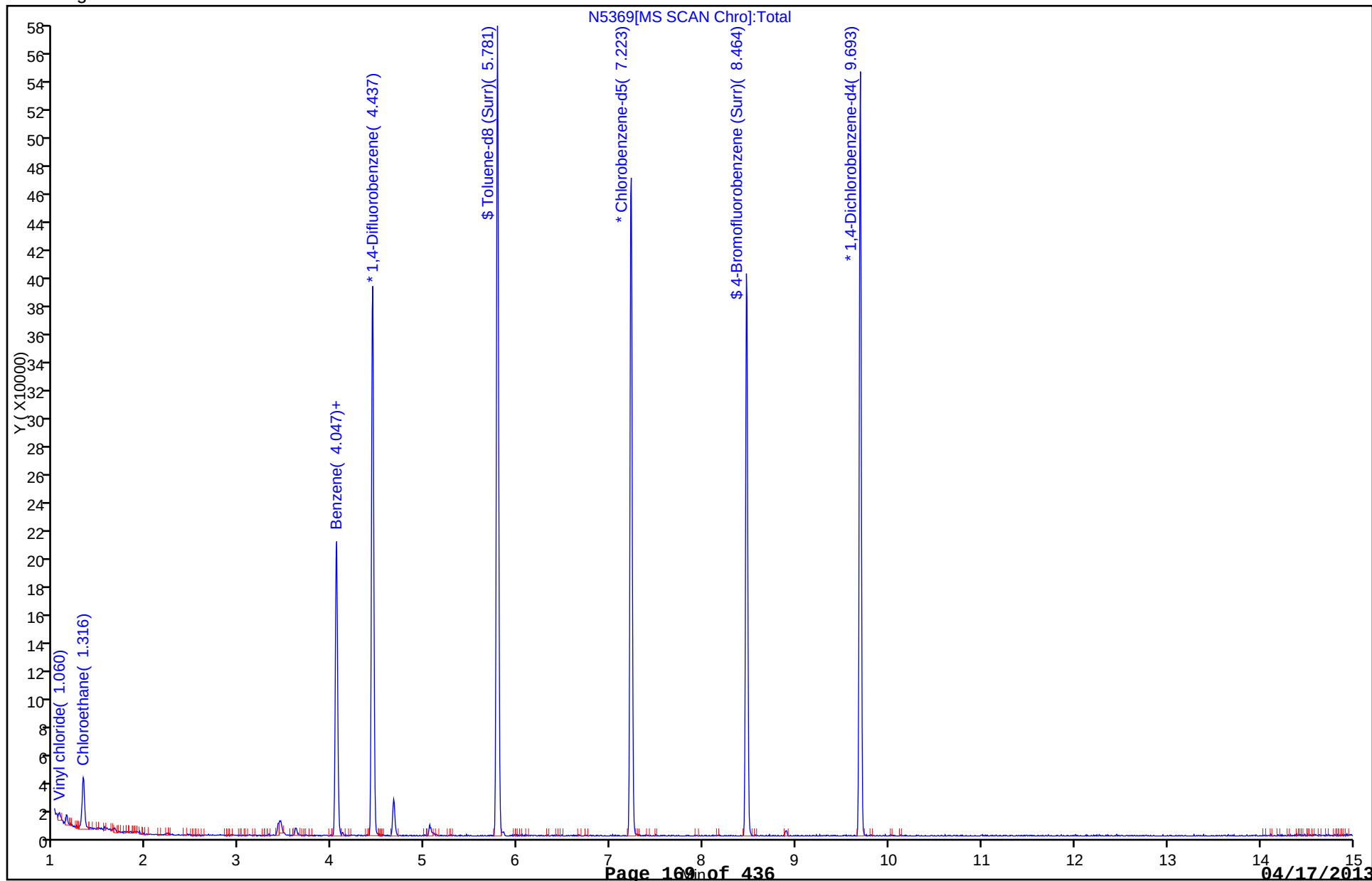
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5369.D

Injection Date: 06-Apr-2013 16:41:30

Limit Group: MV - 8260B ICAL

Client ID: MW-12

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 36

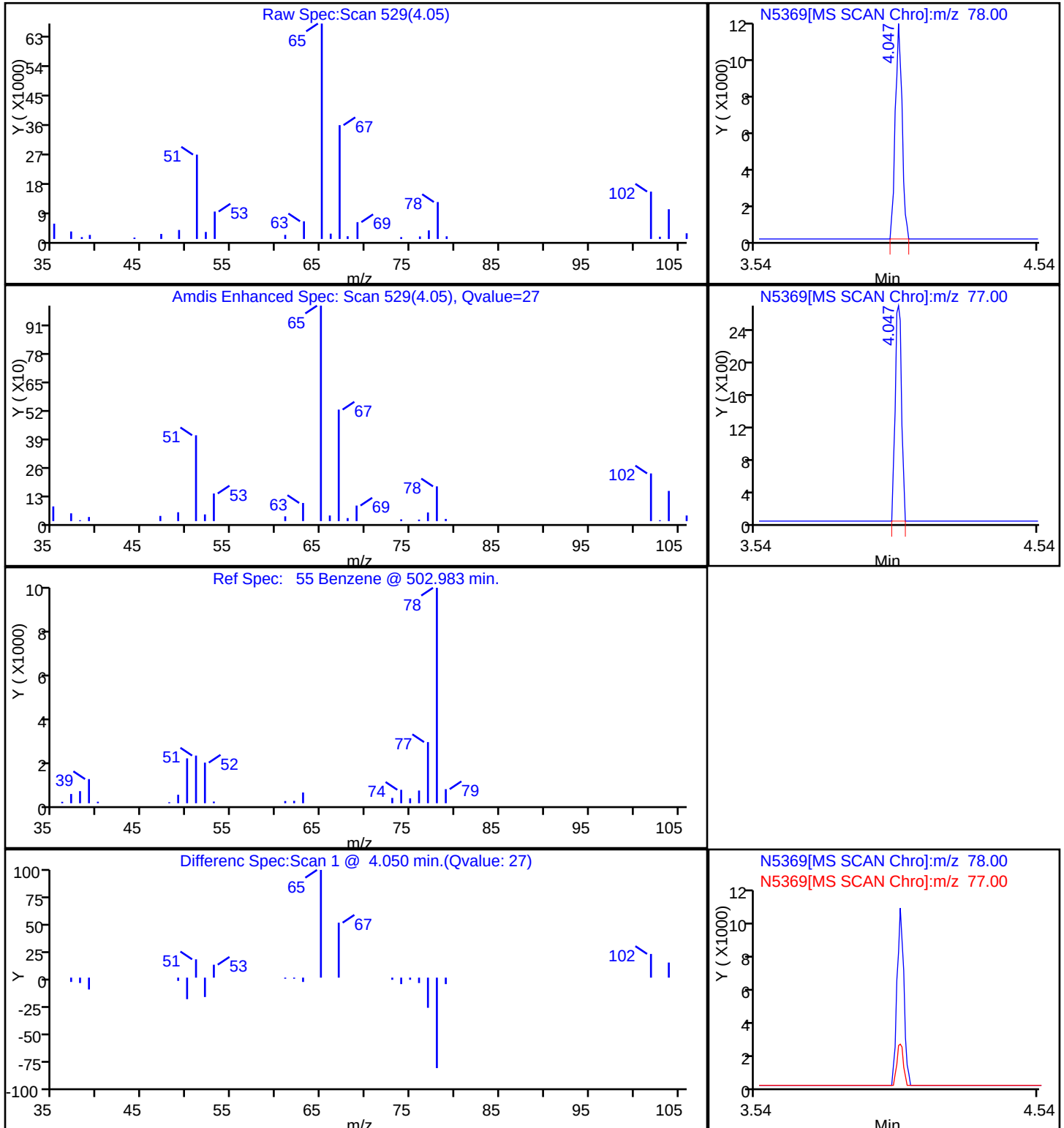
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

55 Benzene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5369.D

Injection Date: 06-Apr-2013 16:41:30

Limit Group: MV - 8260B ICAL

Client ID: MW-12

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 36

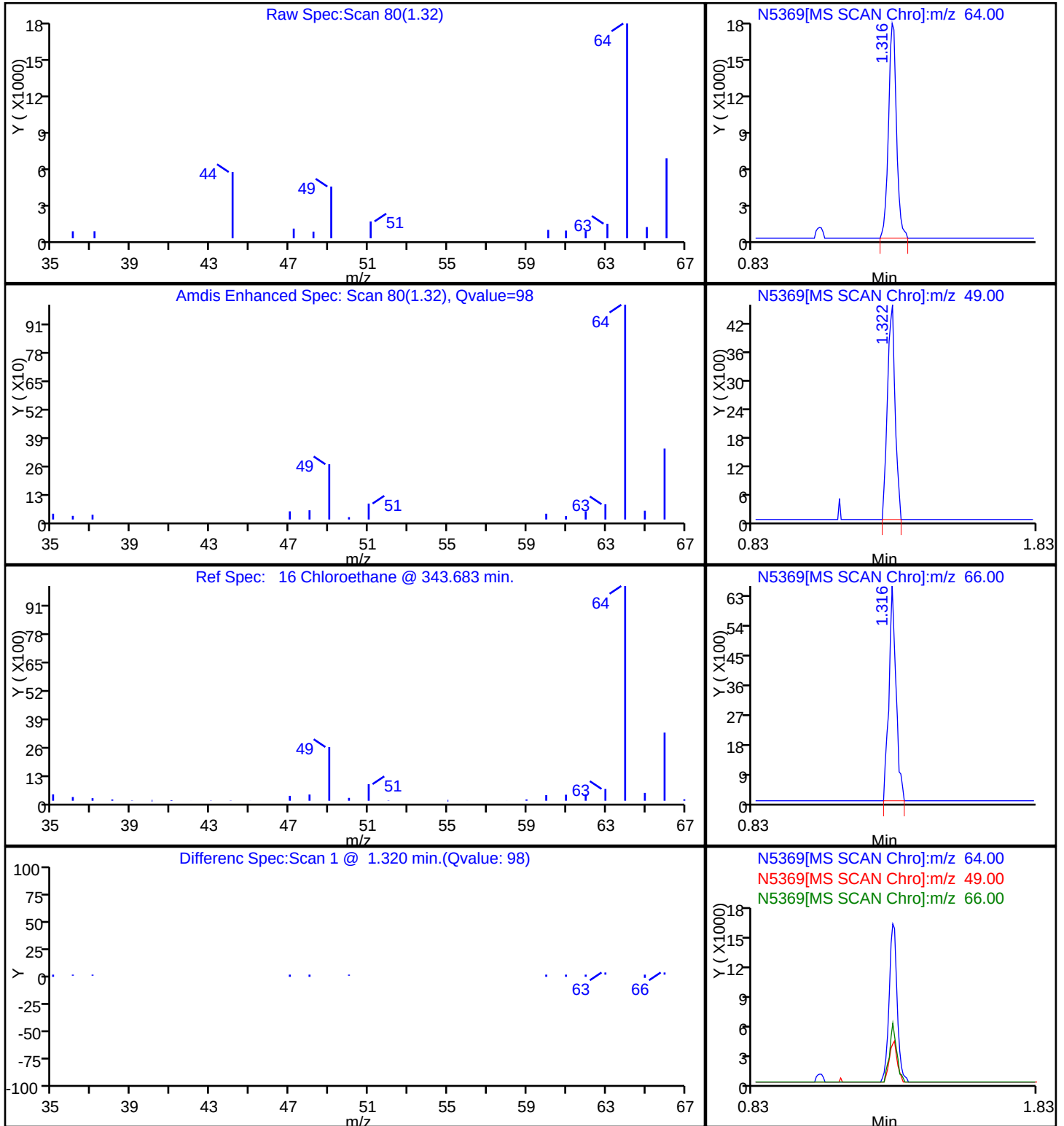
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

16 Chloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5369.D

Injection Date: 06-Apr-2013 16:41:30

Limit Group: MV - 8260B ICAL

Client ID: MW-12

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 36

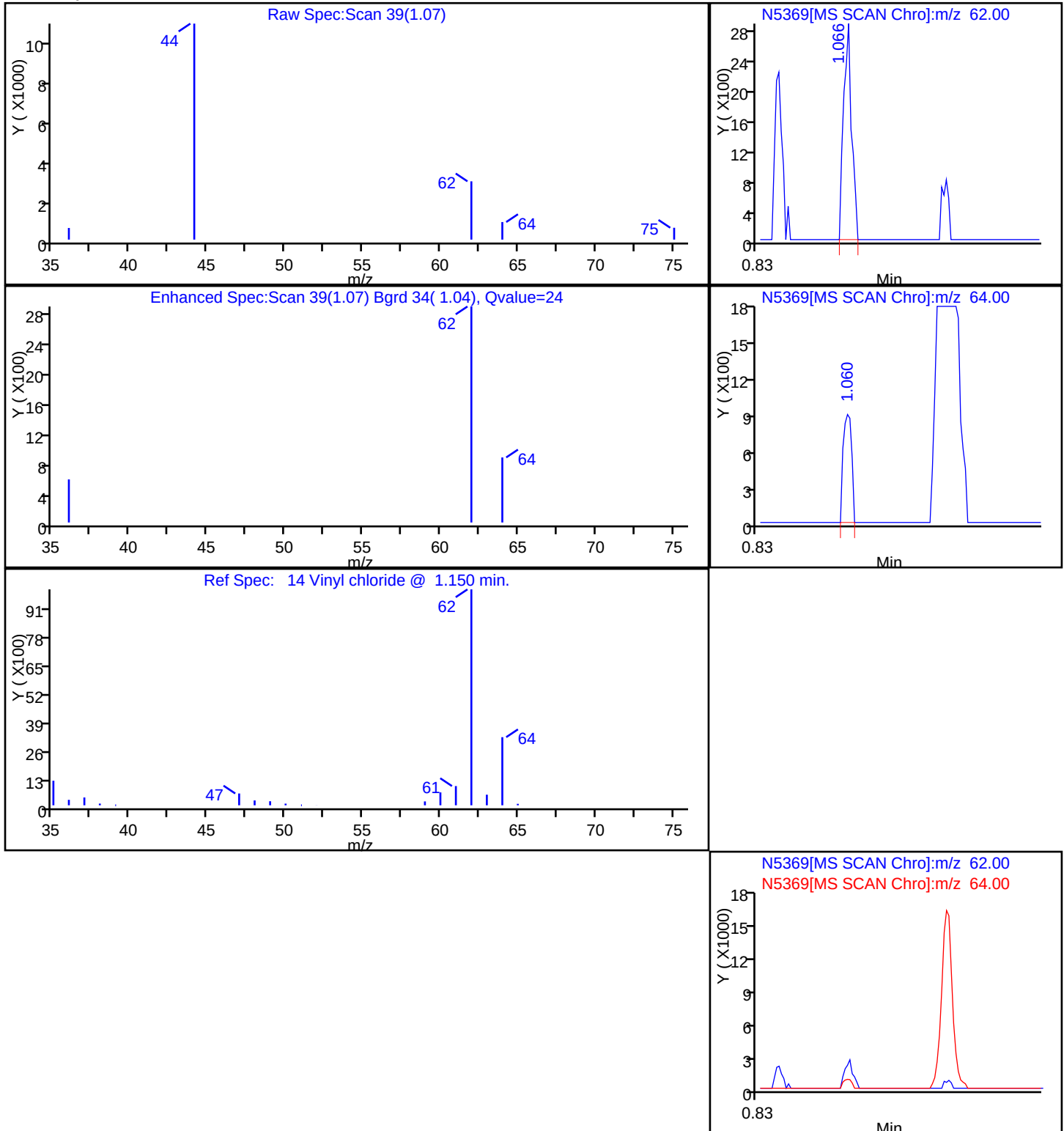
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

14 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-13S Lab Sample ID: 480-35528-10

Matrix: Ground Water Lab File ID: N5370.D

Analysis Method: 8260B Date Collected: 04/02/2013 10:50

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 17:04

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.: 111319 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	100	E	1.0	0.38
75-35-4	1,1-Dichloroethene	210	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	0.61	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	3.9		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	1600	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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: MW-13S Lab Sample ID: 480-35528-10
 Matrix: Ground Water Lab File ID: N5370.D
 Analysis Method: 8260B Date Collected: 04/02/2013 10:50
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 17:04
 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.: 111319 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	0.42	J	1.0	0.36
108-88-3	Toluene	4.0		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	53		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	2400	E	1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	140	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)	102		66-137
460-00-4	4-Bromofluorobenzene (Surr)	74		73-120
2037-26-5	Toluene-d8 (Surr)	110		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5370.D
 Lims ID: 480-35528-A-10 Client ID: MW-13S
 Inject. Date: 06-Apr-2013 17:04:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-35528-A-10
 Misc. Info.: 480-0020332-037
 Operator: TF Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 12
 Lims Batch ID: 111319 Lims Sample ID: 37
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
 Last Update: 08-Apr-2013 13:22:36 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 13:22:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.443	4.437	0.006	91	356904	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	267812	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	95	90739	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	89	128315	25.5	
\$ 6 Toluene-d8 (Surr)	98	5.787	5.781	0.006	83	390714	27.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	85	89966	18.4	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					9
14 Vinyl chloride	62	1.066	1.066	0.0	98	635924	144.0	E
15 Bromomethane	94		1.243					
16 Chloroethane	64	1.316	1.310	0.006	65	9559	3.87	
18 Trichlorofluoromethane	101		1.444					
22 1,1-Dichloroethene	96	1.808	1.803	0.005	99	731258	213.3	E
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43		1.900					
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84	2.228	2.228	0.0	60	3039	0.5697	
33 trans-1,2-Dichloroethene	96	2.435	2.429	0.006	98	252312	52.8	
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63	2.806	2.800	0.006	96	917906	103.4	E
43 cis-1,2-Dichloroethene	96	3.335	3.317	0.018	0	8345762	1615.1	EM
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
52 Cyclohexane	56		3.713					
51 1,1,1-Trichloroethane	97		3.713					
53 Carbon tetrachloride	117		3.841					
55 Benzene	78		4.041					9
57 1,2-Dichloroethane	62	4.114	4.108	0.006	34	3957	0.6149	
60 Trichloroethene	95	4.722	4.644	0.078	79	11597791	2433.3	EM

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.759					9
63 1,2-Dichloropropane	63		4.863					9
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.733					9
73 Toluene	92	5.848	5.842	0.006	91	42251	4.01	
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166	6.365	6.359	0.006	39	1946	0.4201	
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					9
90 m-Xylene & p-Xylene	106		7.485					9
91 o-Xylene	106		7.892					
92 Styrene	104		7.923					
93 Bromoform	173		8.142					
95 Isopropylbenzene	105		8.282					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.561					
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

Review Flags

M - Manually Integrated

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5370.D

Injection Date: 06-Apr-2013 17:04:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 37

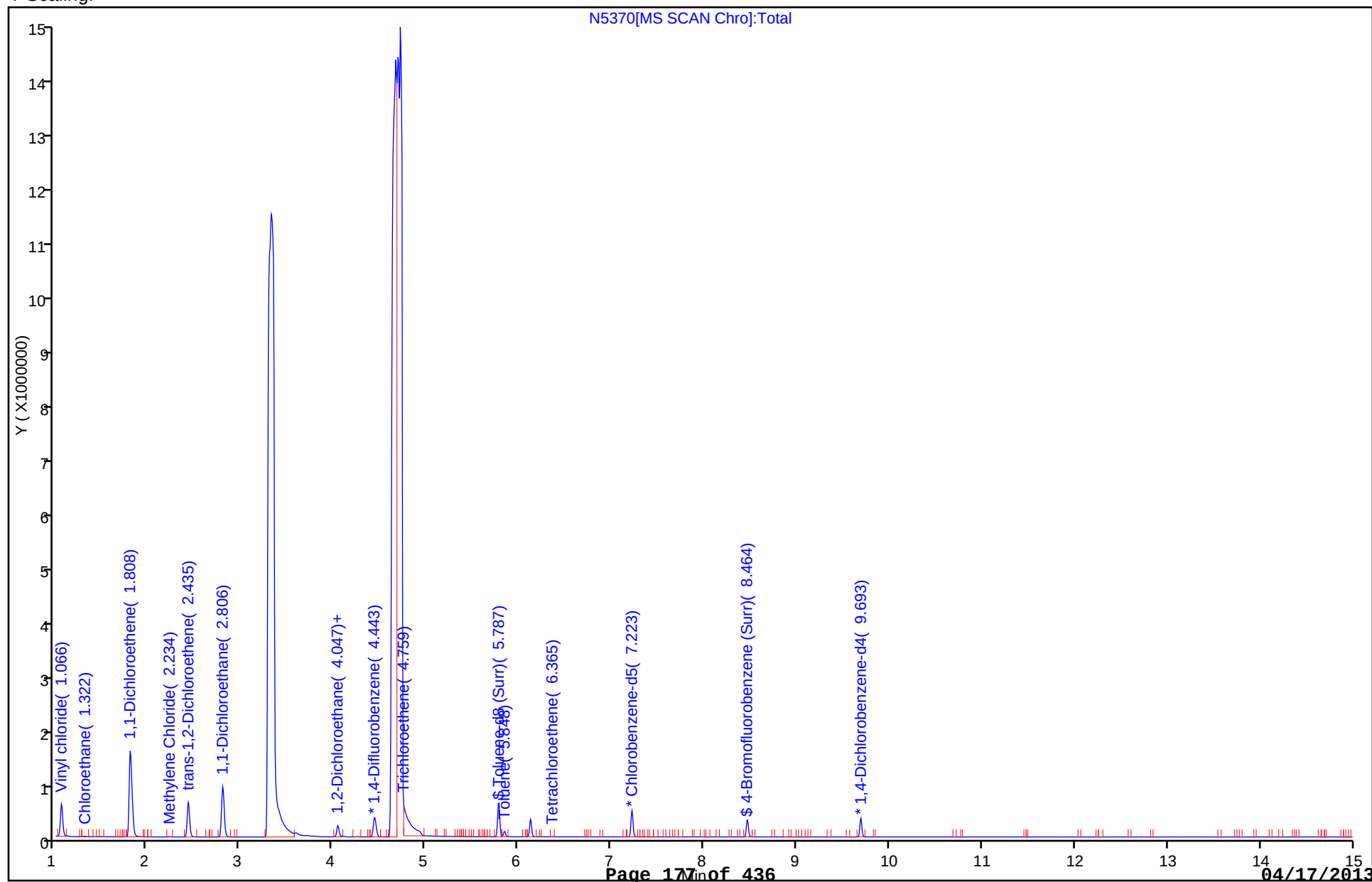
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5370.D

Injection Date: 06-Apr-2013 17:04:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 37

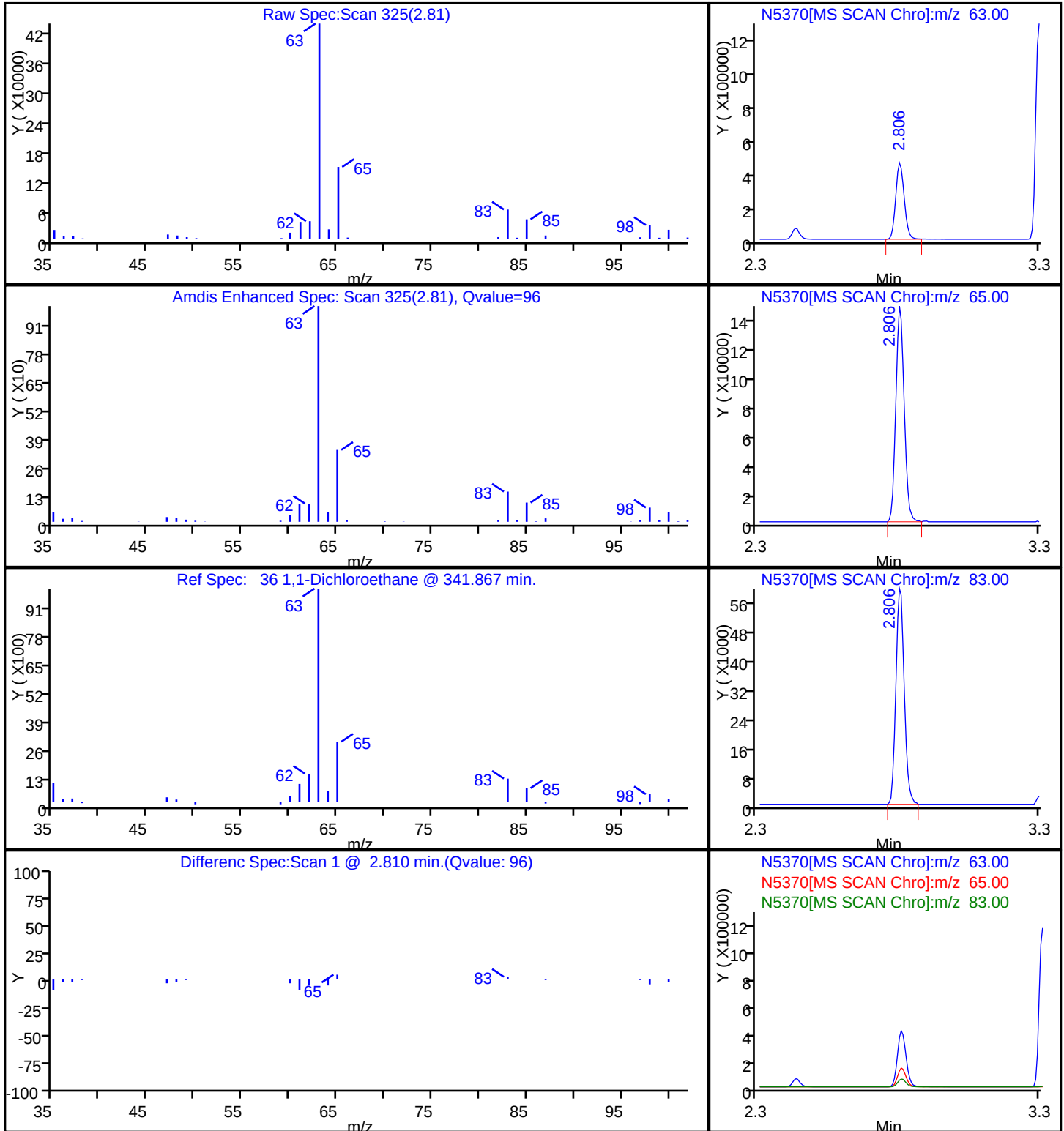
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

36 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5370.D

Injection Date: 06-Apr-2013 17:04:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 37

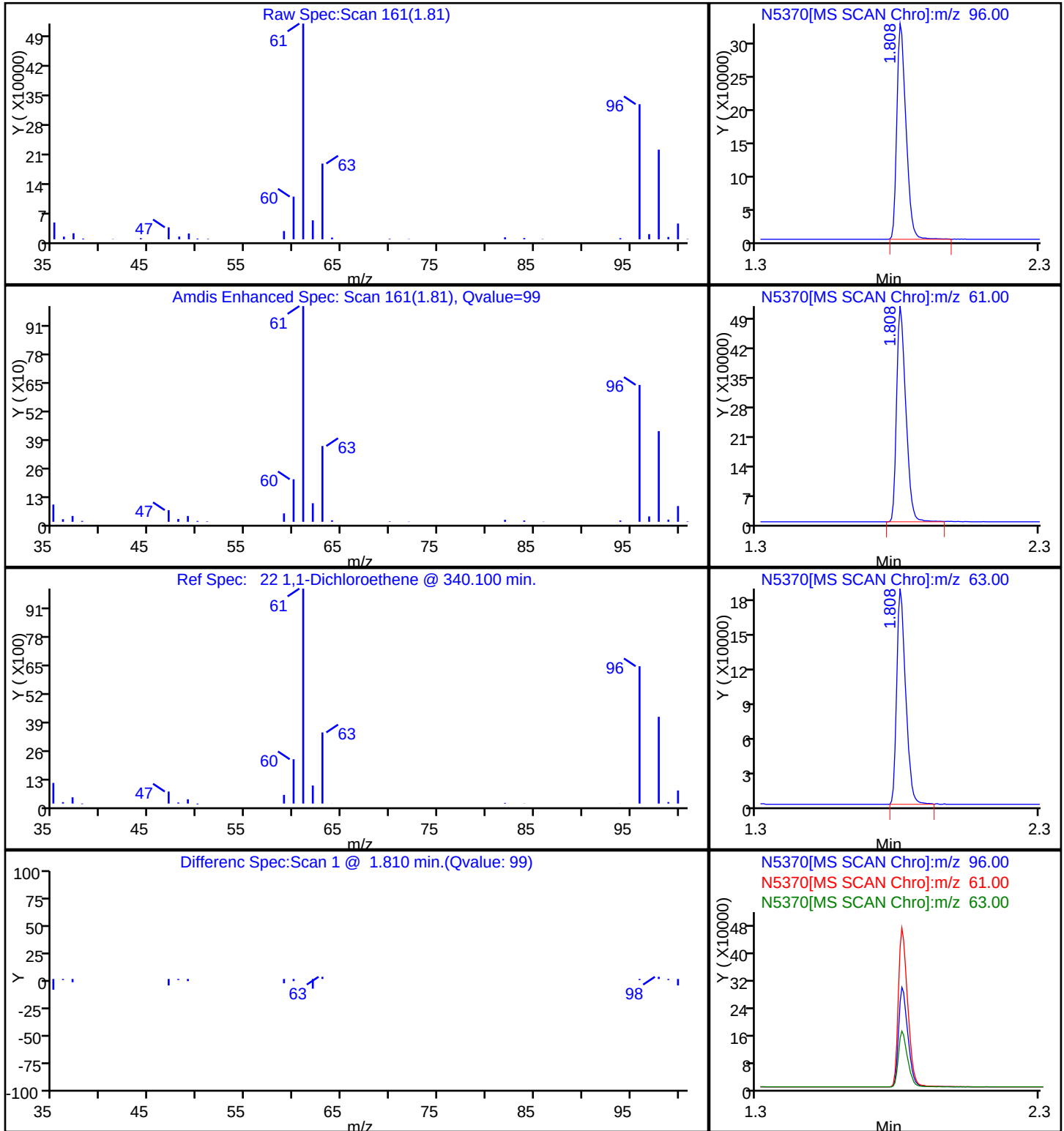
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

22 1,1-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5370.D

Injection Date: 06-Apr-2013 17:04:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 37

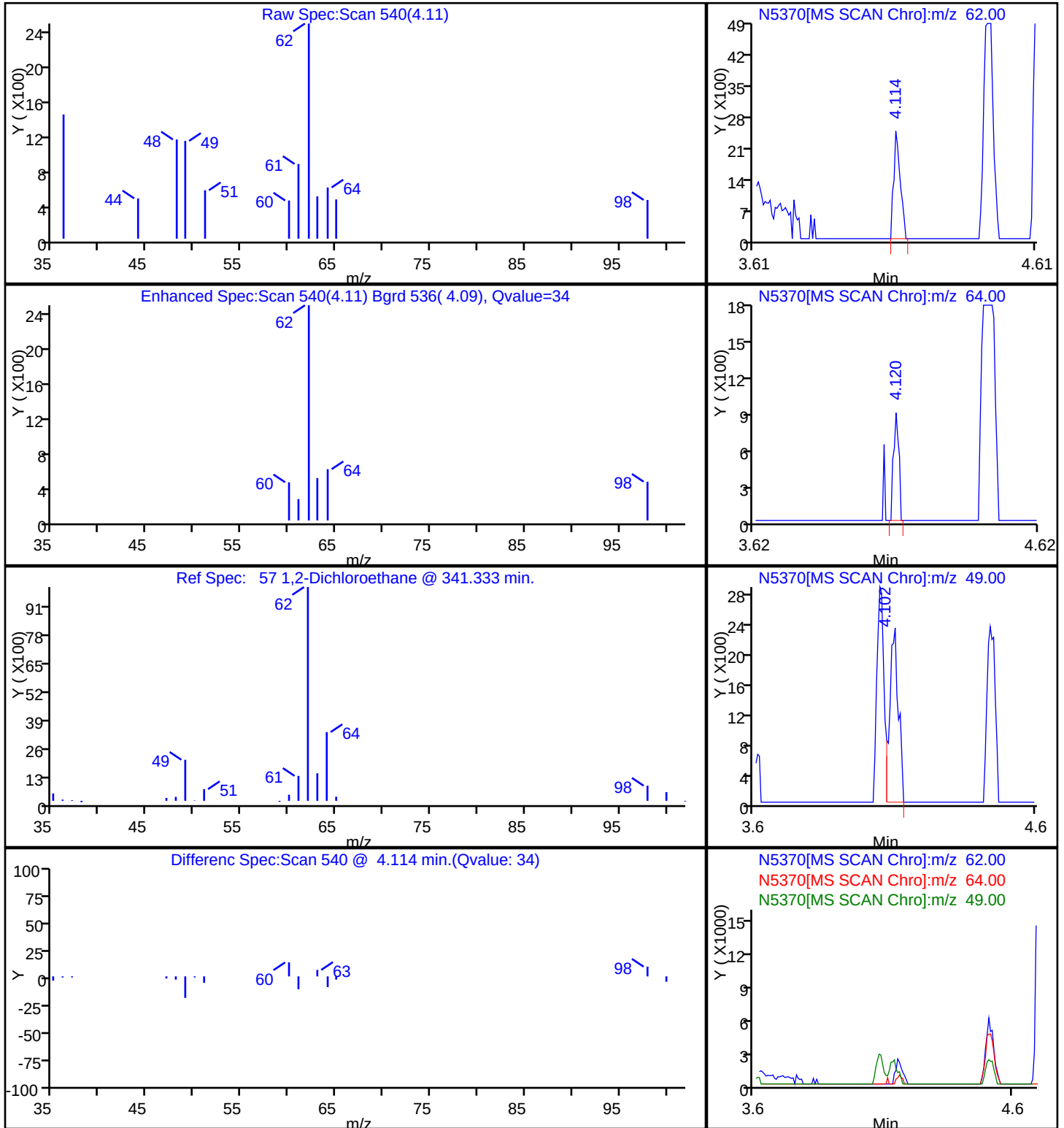
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

57 1,2-Dichloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\\ChromData\\HP5973N\\20130406-20332.b\\N5370.D

Injection Date: 06-Apr-2013 17:04:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 37

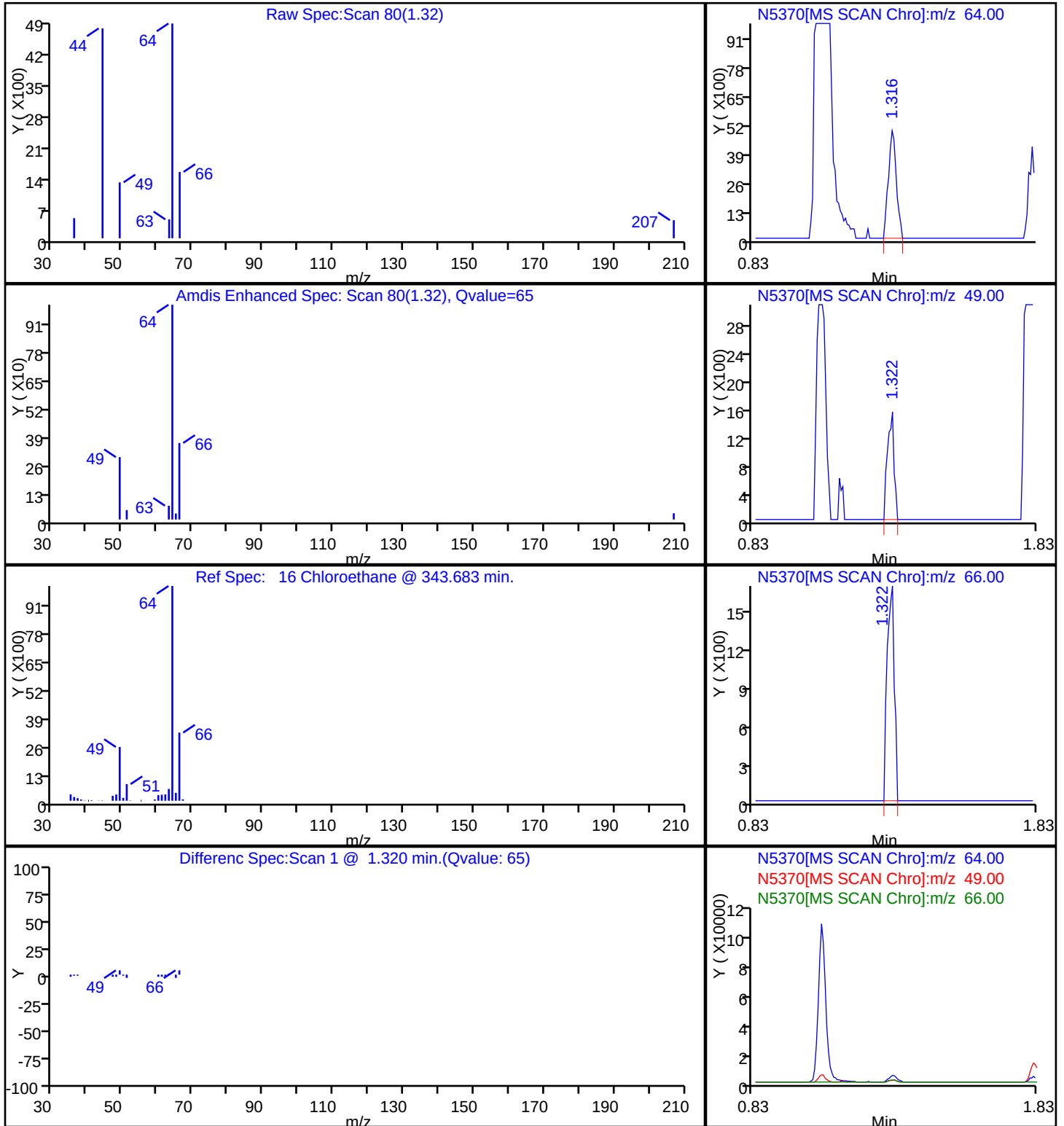
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

16 Chloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5370.D

Injection Date: 06-Apr-2013 17:04:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 37

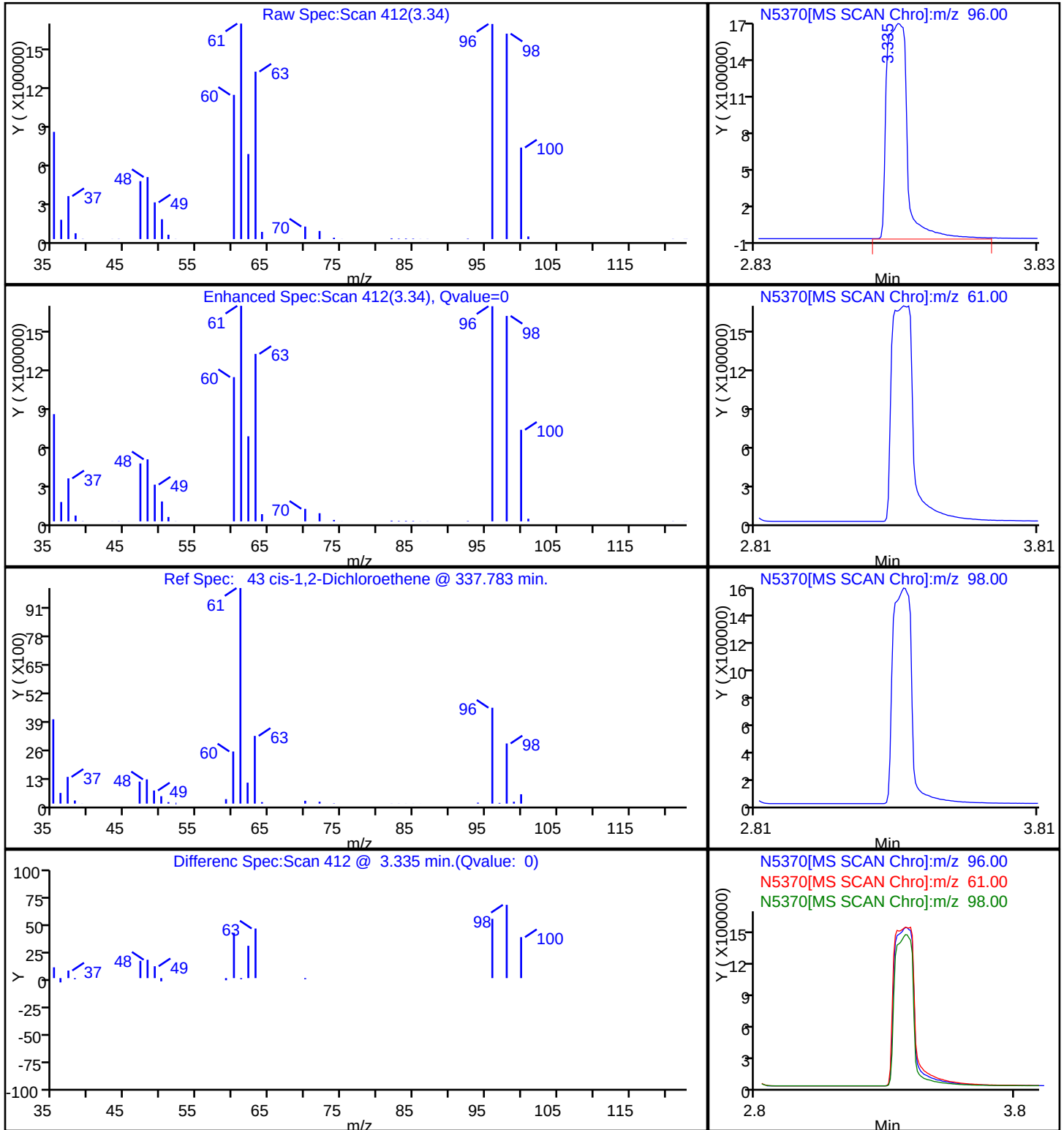
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5370.D

Injection Date: 06-Apr-2013 17:04:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 37

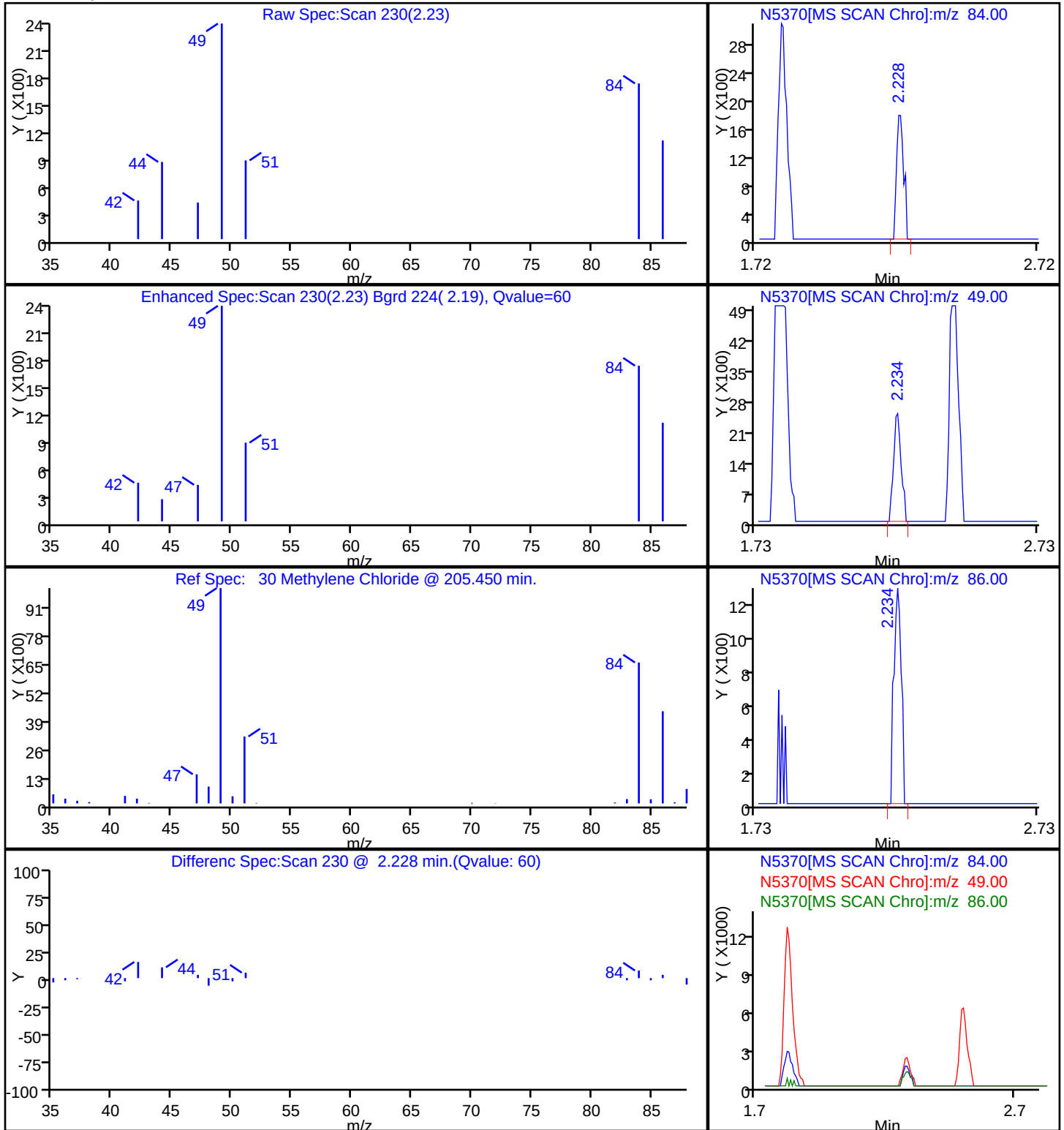
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

30 Methylene Chloride



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5370.D

Injection Date: 06-Apr-2013 17:04:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 37

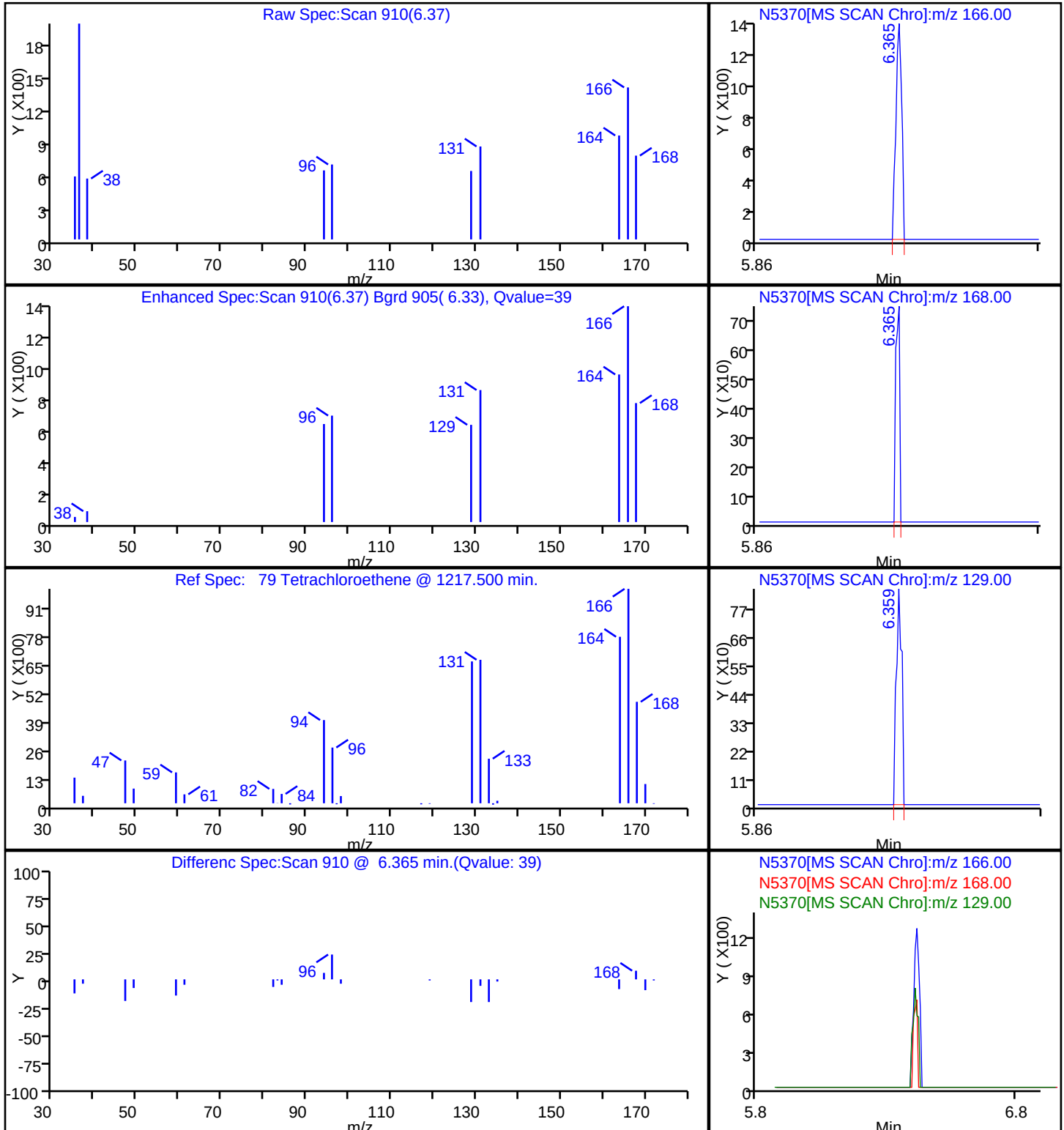
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

79 Tetrachloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5370.D

Injection Date: 06-Apr-2013 17:04:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 37

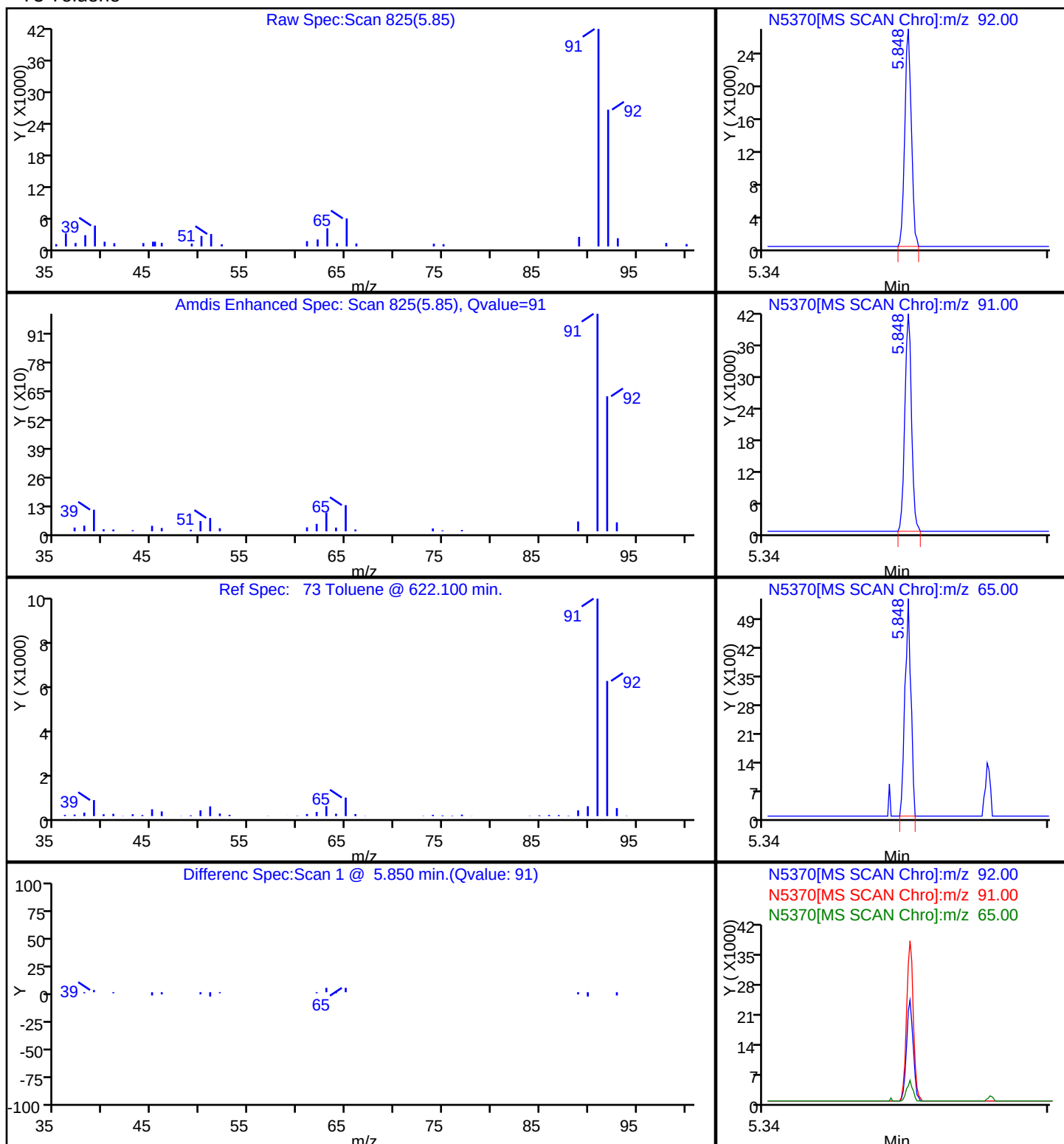
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

73 Toluene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5370.D

Injection Date: 06-Apr-2013 17:04:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 37

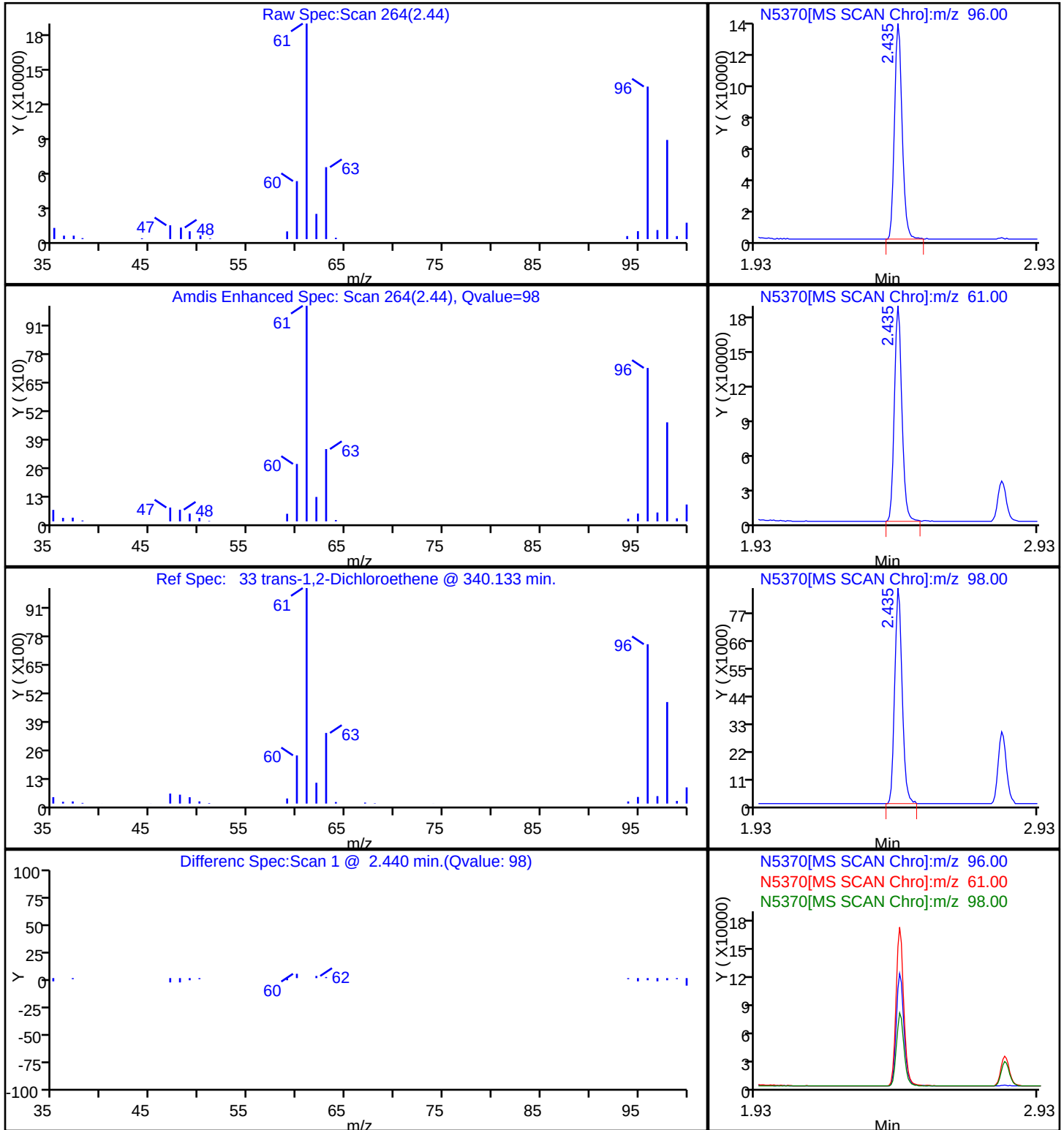
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

33 trans-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5370.D

Injection Date: 06-Apr-2013 17:04:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 37

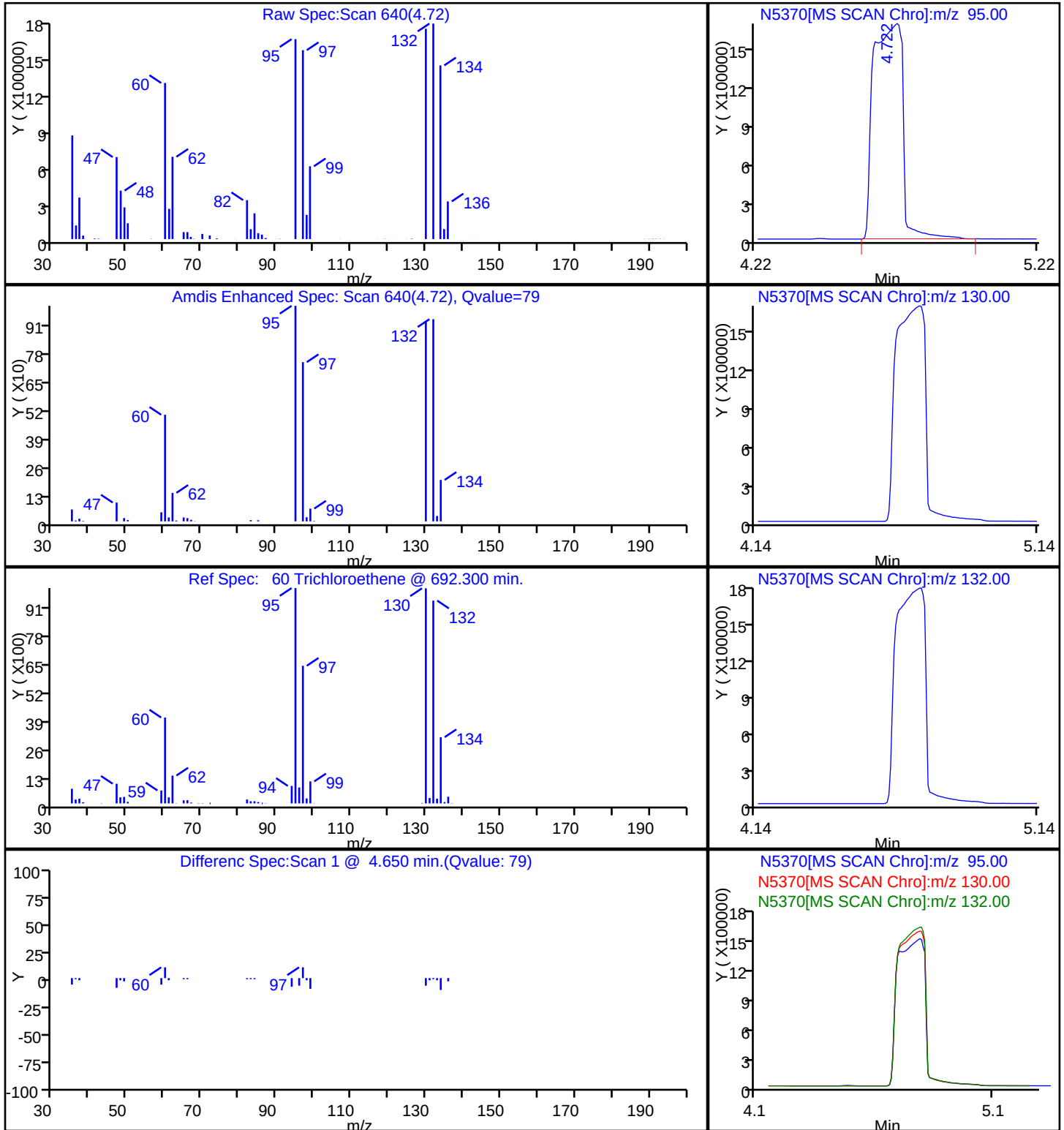
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

60 Trichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5370.D

Injection Date: 06-Apr-2013 17:04:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 37

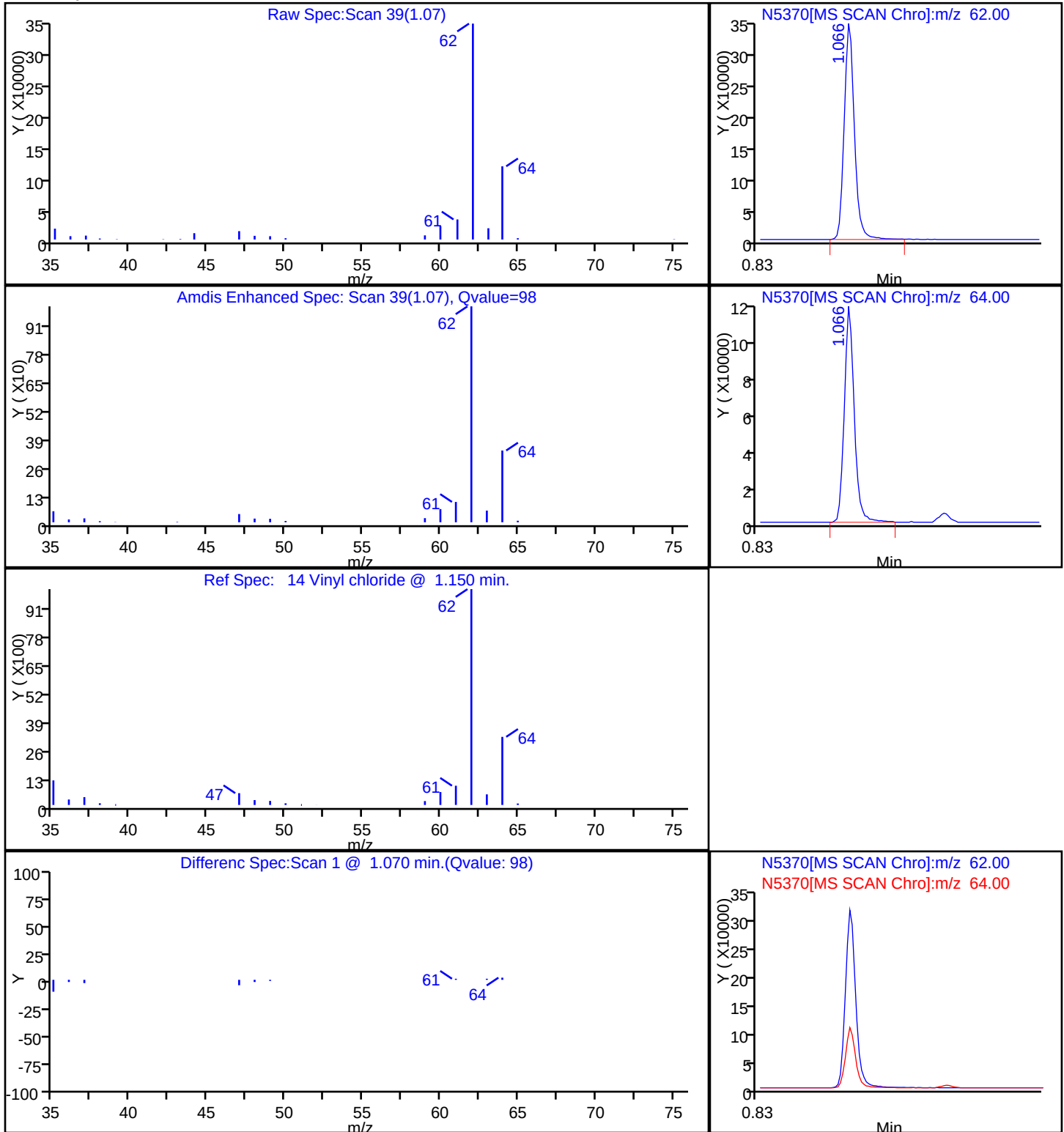
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

14 Vinyl chloride



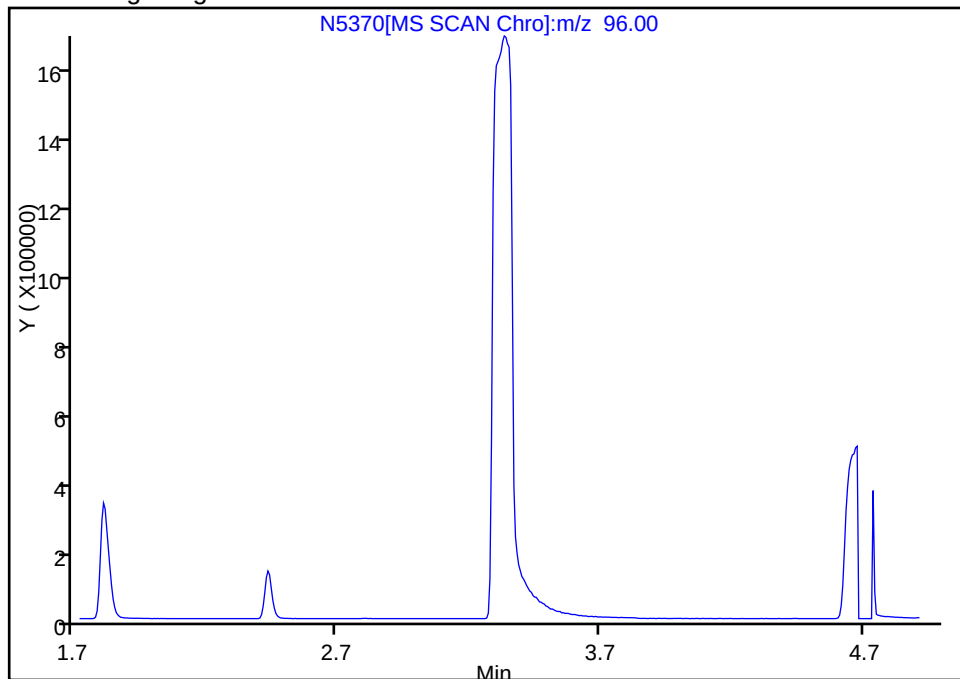
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5370.D		
Injection Date:	06-Apr-2013 17:04:30	Limit Group:	MV - 8260B ICAL
Client ID:	MW-13S	Instrument ID:	HP5973N
Lims Batch ID:	111319	Lims Sample ID:	37
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

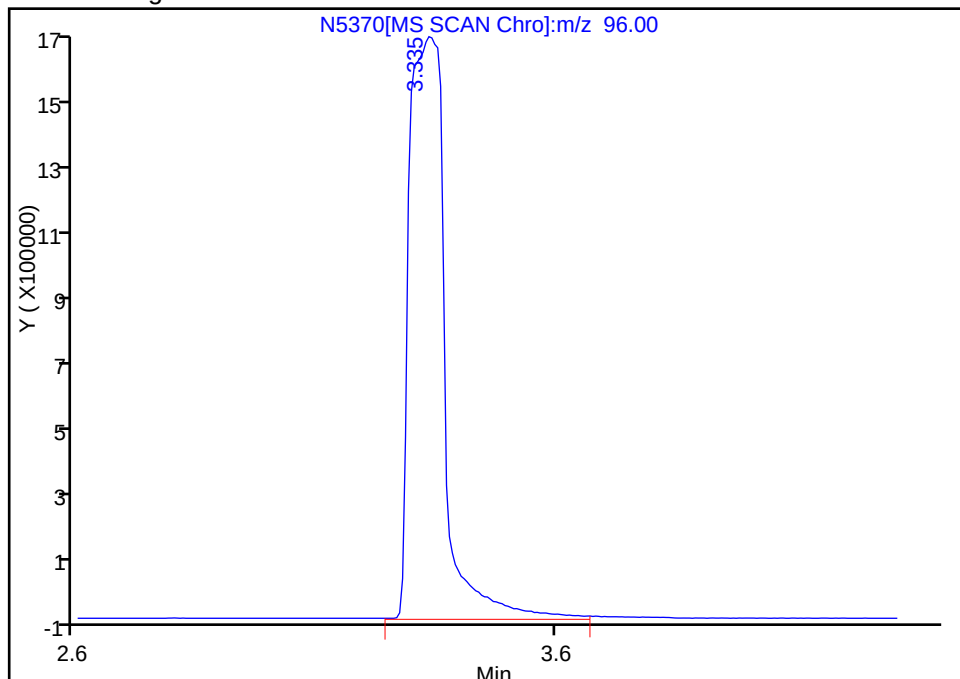
43 cis-1,2-Dichloroethene, Signal: 1, m/z: 96.0 Type: quant, RT: 3.32

Not Detected
Expected RT: 3.32

Processing Integration Results



Manual Integration Results

RT: 3.34
Response: 8345762
Amount: 1615.0564Reviewer: HillL, 08-Apr-2013 09:42:23
Audit Action: Manually Integrated
Audit Reason: Missed Peak

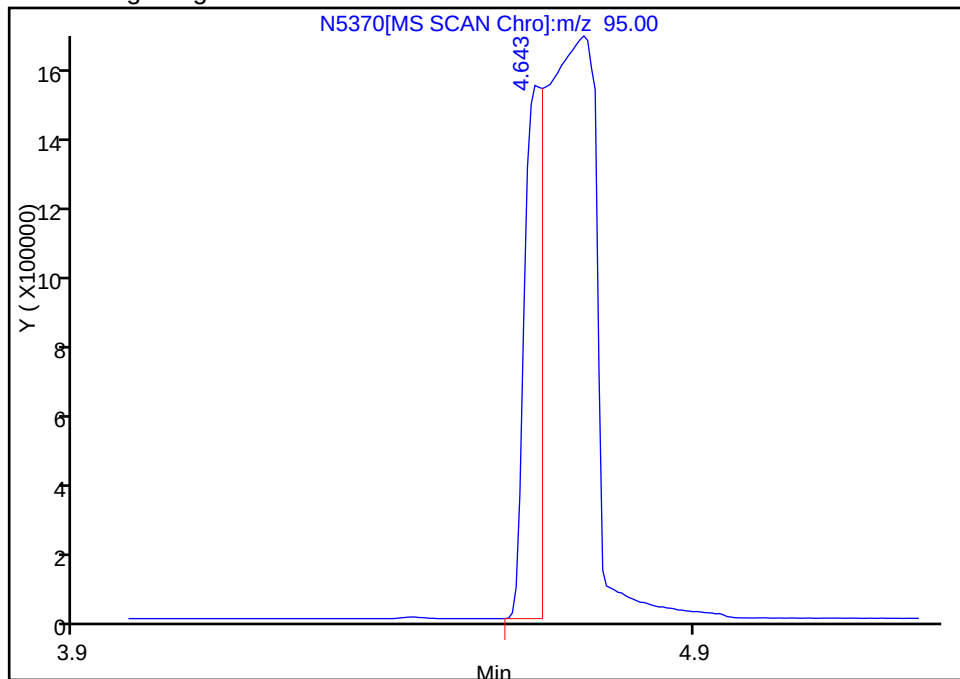
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5370.D		
Injection Date:	06-Apr-2013 17:04:30	Limit Group:	MV - 8260B ICAL
Client ID:	MW-13S	Instrument ID:	HP5973N
Lims Batch ID:	111319	Lims Sample ID:	37
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

60 Trichloroethene, Signal: 1, m/z: 95.0 Type: quant, RT: 4.64

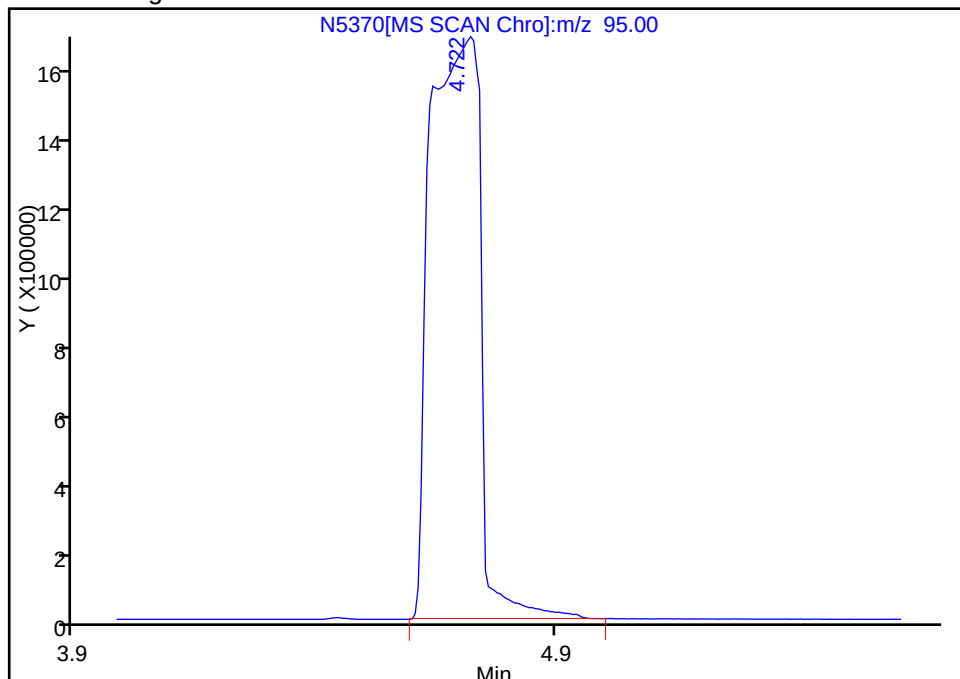
RT: 4.64
Response: 3047932
Amount: 639.4739

Processing Integration Results



RT: 4.72
Response: 11597791
Amount: 2433.2841

Manual Integration Results



Reviewer: HillL, 08-Apr-2013 09:42:23
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-13S DL Lab Sample ID: 480-35528-10 DL

Matrix: Ground Water Lab File ID: N5418.D

Analysis Method: 8260B Date Collected: 04/02/2013 10:50

Sample wt/vol: 5(mL) Date Analyzed: 04/09/2013 00:31

Soil Aliquot Vol: _____ Dilution Factor: 1000

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

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

Analysis Batch No.: 111593 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1000	820
79-34-5	1,1,2,2-Tetrachloroethane	ND		1000	210
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	310
79-00-5	1,1,2-Trichloroethane	ND		1000	230
75-34-3	1,1-Dichloroethane	ND		1000	380
75-35-4	1,1-Dichloroethene	ND		1000	290
120-82-1	1,2,4-Trichlorobenzene	ND		1000	410
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1000	390
106-93-4	1,2-Dibromoethane	ND		1000	730
95-50-1	1,2-Dichlorobenzene	ND		1000	790
107-06-2	1,2-Dichloroethane	ND		1000	210
78-87-5	1,2-Dichloropropane	ND		1000	720
541-73-1	1,3-Dichlorobenzene	ND		1000	780
106-46-7	1,4-Dichlorobenzene	ND		1000	840
78-93-3	2-Butanone (MEK)	ND		10000	1300
591-78-6	2-Hexanone	ND		5000	1200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5000	2100
67-64-1	Acetone	ND		10000	3000
71-43-2	Benzene	ND		1000	410
75-27-4	Bromodichloromethane	ND		1000	390
75-25-2	Bromoform	ND		1000	260
74-83-9	Bromomethane	ND		1000	690
75-15-0	Carbon disulfide	ND		1000	190
56-23-5	Carbon tetrachloride	ND		1000	270
108-90-7	Chlorobenzene	ND		1000	750
75-00-3	Chloroethane	ND		1000	320
67-66-3	Chloroform	ND		1000	340
74-87-3	Chloromethane	ND		1000	350
156-59-2	cis-1,2-Dichloroethene	22000		1000	810
10061-01-5	cis-1,3-Dichloropropene	ND		1000	360
110-82-7	Cyclohexane	ND		1000	180
124-48-1	Dibromochloromethane	ND		1000	320
75-71-8	Dichlorodifluoromethane	ND		1000	680
100-41-4	Ethylbenzene	ND		1000	740
98-82-8	Isopropylbenzene	ND		1000	790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1
 SDG No.: _____
 Client Sample ID: MW-13S DL Lab Sample ID: 480-35528-10 DL
 Matrix: Ground Water Lab File ID: N5418.D
 Analysis Method: 8260B Date Collected: 04/02/2013 10:50
 Sample wt/vol: 5(mL) Date Analyzed: 04/09/2013 00:31
 Soil Aliquot Vol: _____ Dilution Factor: 1000
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 111593 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1000	500
1634-04-4	Methyl tert-butyl ether	ND		1000	160
108-87-2	Methylcyclohexane	ND		1000	160
75-09-2	Methylene Chloride	ND		1000	440
100-42-5	Styrene	ND		1000	730
127-18-4	Tetrachloroethene	ND		1000	360
108-88-3	Toluene	ND		1000	510
156-60-5	trans-1,2-Dichloroethene	ND		1000	900
10061-02-6	trans-1,3-Dichloropropene	ND		1000	370
79-01-6	Trichloroethene	40000		1000	460
75-69-4	Trichlorofluoromethane	ND		1000	880
75-01-4	Vinyl chloride	ND		1000	900
1330-20-7	Xylenes, Total	ND		2000	660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		66-137
460-00-4	4-Bromofluorobenzene (Surr)	90		73-120
2037-26-5	Toluene-d8 (Surr)	97		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5418.D
 Lims ID: 480-35528-C-10 Client ID: MW-13S
 Inject. Date: 09-Apr-2013 00:31:30 Dil. Factor: 1000.0000
 Sample Type: Client
 Sample ID: 480-35528-C-10
 Misc. Info.: 480-0020382-010
 Operator: RAL Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 5
 Lims Batch ID: 111593 Lims Sample ID: 10
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N-8260.m
 Last Update: 09-Apr-2013 11:59:03 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK012

First Level Reviewer: jonesr

Date: 09-Apr-2013 11:59:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	324382	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	280290	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	95	148494	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	88	113770	24.9	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	357660	24.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	114867	22.5	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.987					
14 Vinyl chloride	62		1.060					
15 Bromomethane	94		1.243					
16 Chloroethane	64		1.310					
18 Trichlorofluoromethane	101		1.444					
22 1,1-Dichloroethene	96		1.809					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.815					
23 Acetone	43		1.906					
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.161					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.806					
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	81	101582	21.6	
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.840					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.114					
60 Trichloroethene	95	4.643	4.643	0.0	95	172253	39.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.759					9
63 1,2-Dichloropropane	63		4.869					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732					9
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.363					
90 m-Xylene & p-Xylene	106		7.485					
91 o-Xylene	106		7.892					
92 Styrene	104		7.929					
93 Bromoform	173		8.148					
95 Isopropylbenzene	105		8.288					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.620					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.561					
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5418.D

Injection Date: 09-Apr-2013 00:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973N

Lims Batch ID: 111593

Lims Sample ID: 10

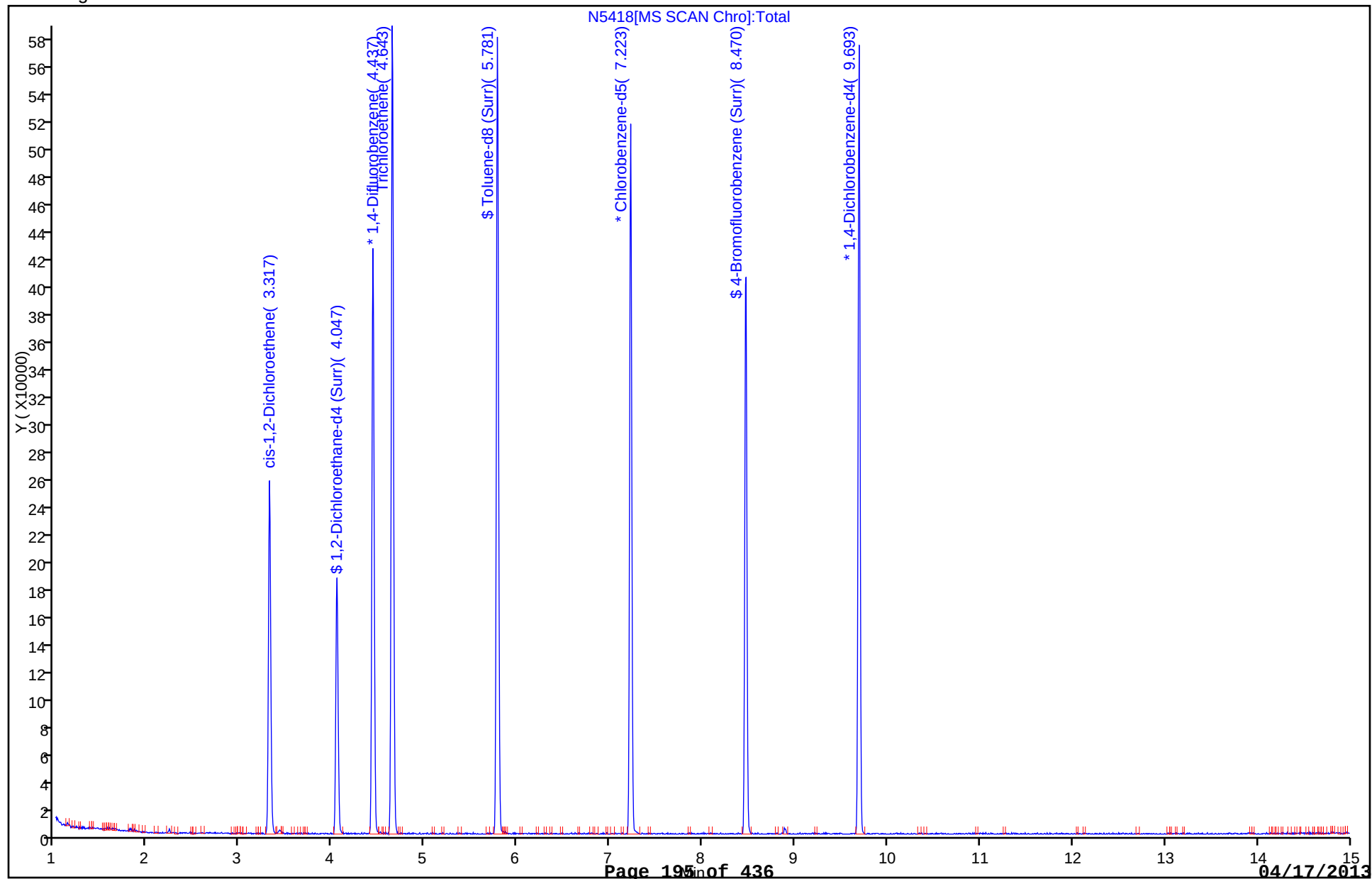
Operator ID: RAL

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5418.D

Injection Date: 09-Apr-2013 00:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973N

Lims Batch ID: 111593

Lims Sample ID: 10

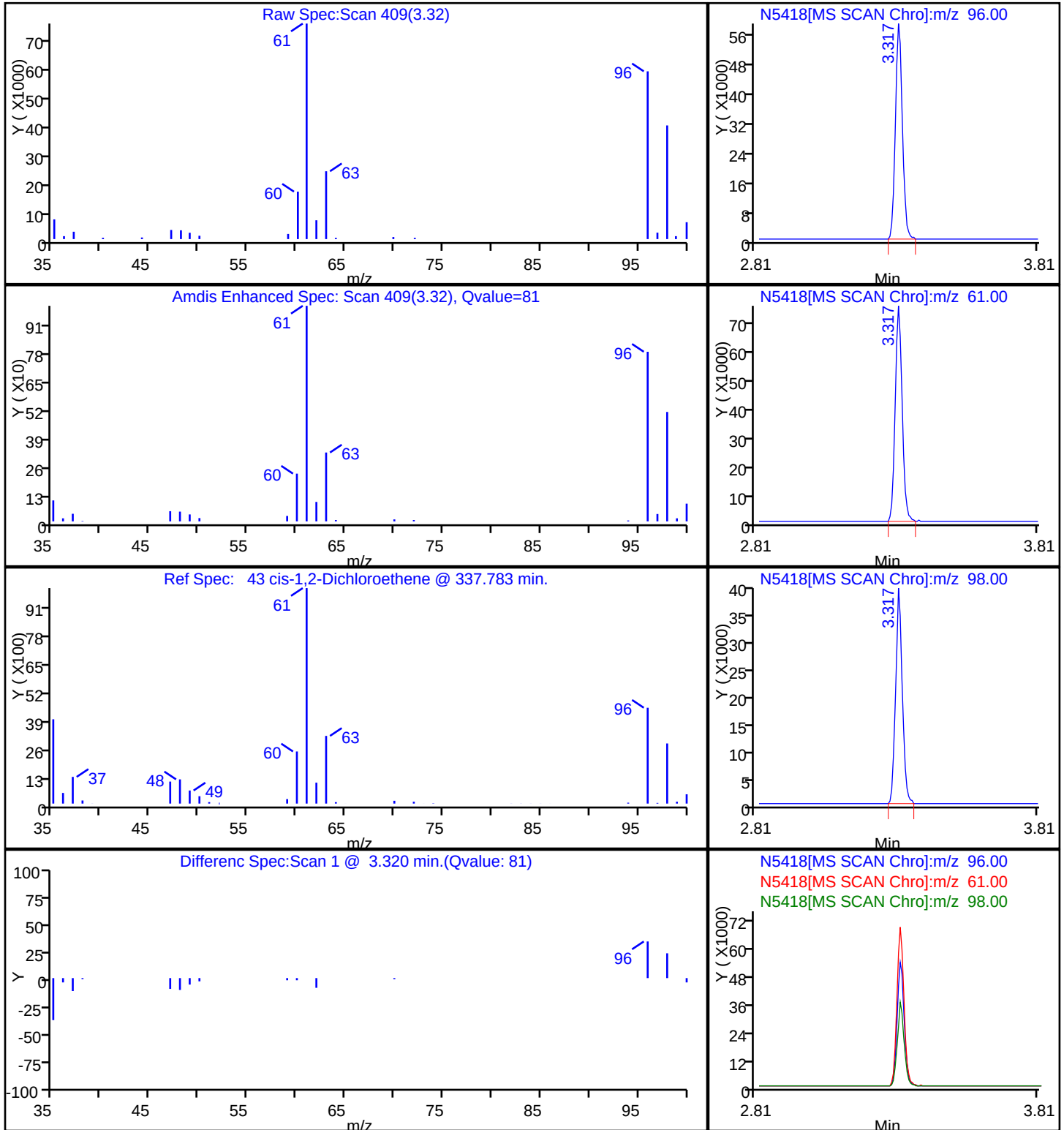
Operator ID: RAL

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5418.D

Injection Date: 09-Apr-2013 00:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973N

Lims Batch ID: 111593

Lims Sample ID: 10

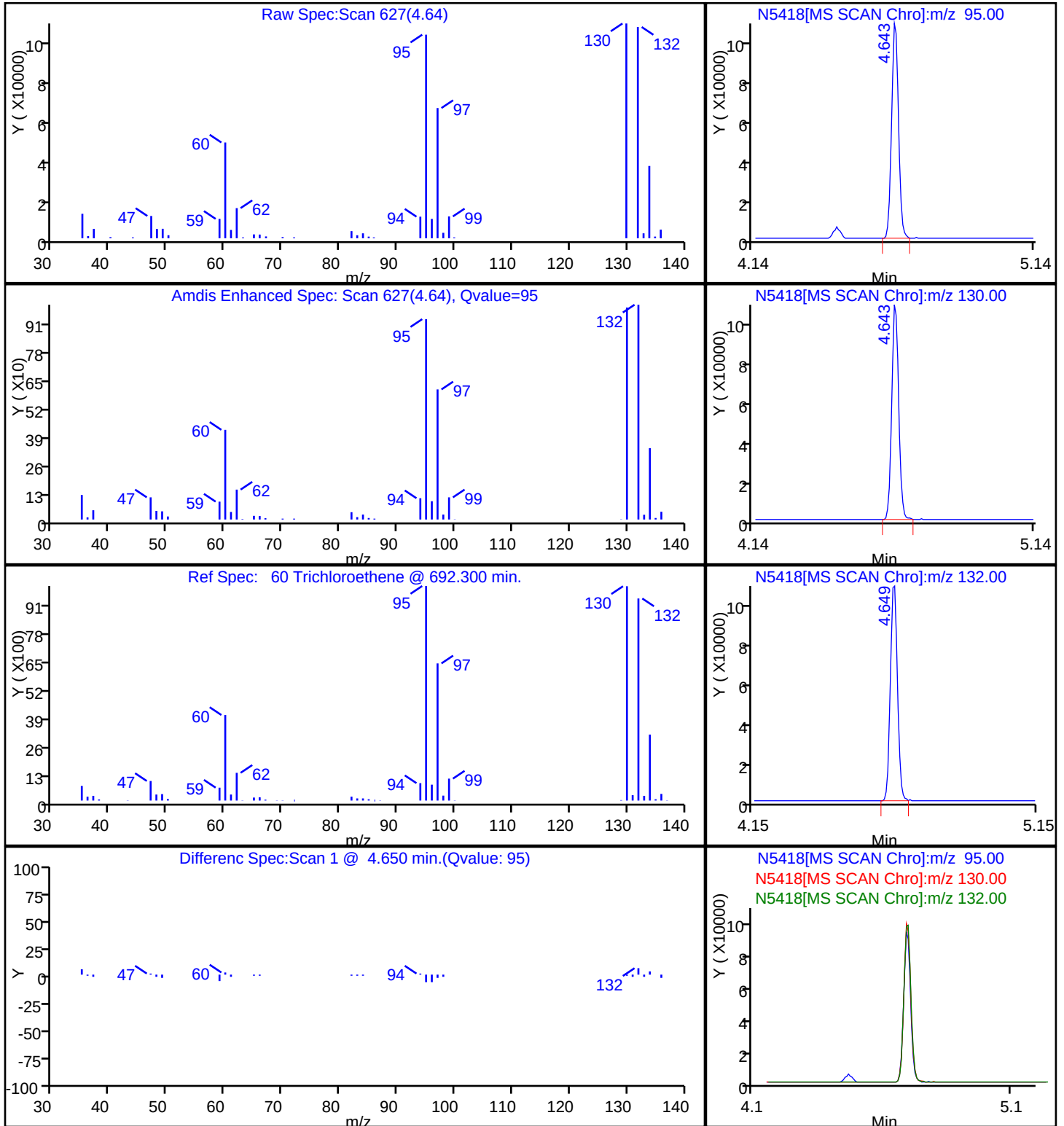
Operator ID: RAL

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

60 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-13D Lab Sample ID: 480-35528-11

Matrix: Ground Water Lab File ID: N5401.D

Analysis Method: 8260B Date Collected: 04/02/2013 11:30

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 16:24

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.: 111445 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	44		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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: MW-13D Lab Sample ID: 480-35528-11
 Matrix: Ground Water Lab File ID: N5401.D
 Analysis Method: 8260B Date Collected: 04/02/2013 11:30
 Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 16:24
 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.: 111445 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	53		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	2.9		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)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	100		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5401.D
 Lims ID: 480-35528-B-11 Client ID: MW-13D
 Inject. Date: 08-Apr-2013 16:24:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-35528-B-11
 Misc. Info.: 480-0020354-019
 Operator: LH/NQ Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 43
 Lims Batch ID: 111445 Lims Sample ID: 19
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N-8260.m
 Last Update: 08-Apr-2013 18:28:43 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK002

First Level Reviewer: larsonr

Date: 08-Apr-2013 18:28:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.436	4.431	0.005	91	307682	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	265182	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	147813	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	87	113638	26.2	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	348762	24.9	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	110432	22.8	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62	1.060	1.066	-0.006	61	10942	2.87	
15 Bromomethane	94		1.249					
16 Chloroethane	64		1.310					
18 Trichlorofluoromethane	101		1.443					
22 1,1-Dichloroethene	96		1.802					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43		1.906					
25 Carbon disulfide	76		1.954					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96	2.441	2.429	0.012	30	756	0.1835	
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.800					
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	82	196628	44.1	
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.846					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.108					
60 Trichloroethene	95	4.643	4.643	0.0	96	217844	53.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.753				9	
63 1,2-Dichloropropane	63		4.862					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732				9	
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.929					
93 Bromoform	173		8.148					
95 Isopropylbenzene	105		8.281					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.620					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.560					
S 126 Xylenes, Total	1		30.000				7	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5401.D

Injection Date: 08-Apr-2013 16:24:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13D

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 19

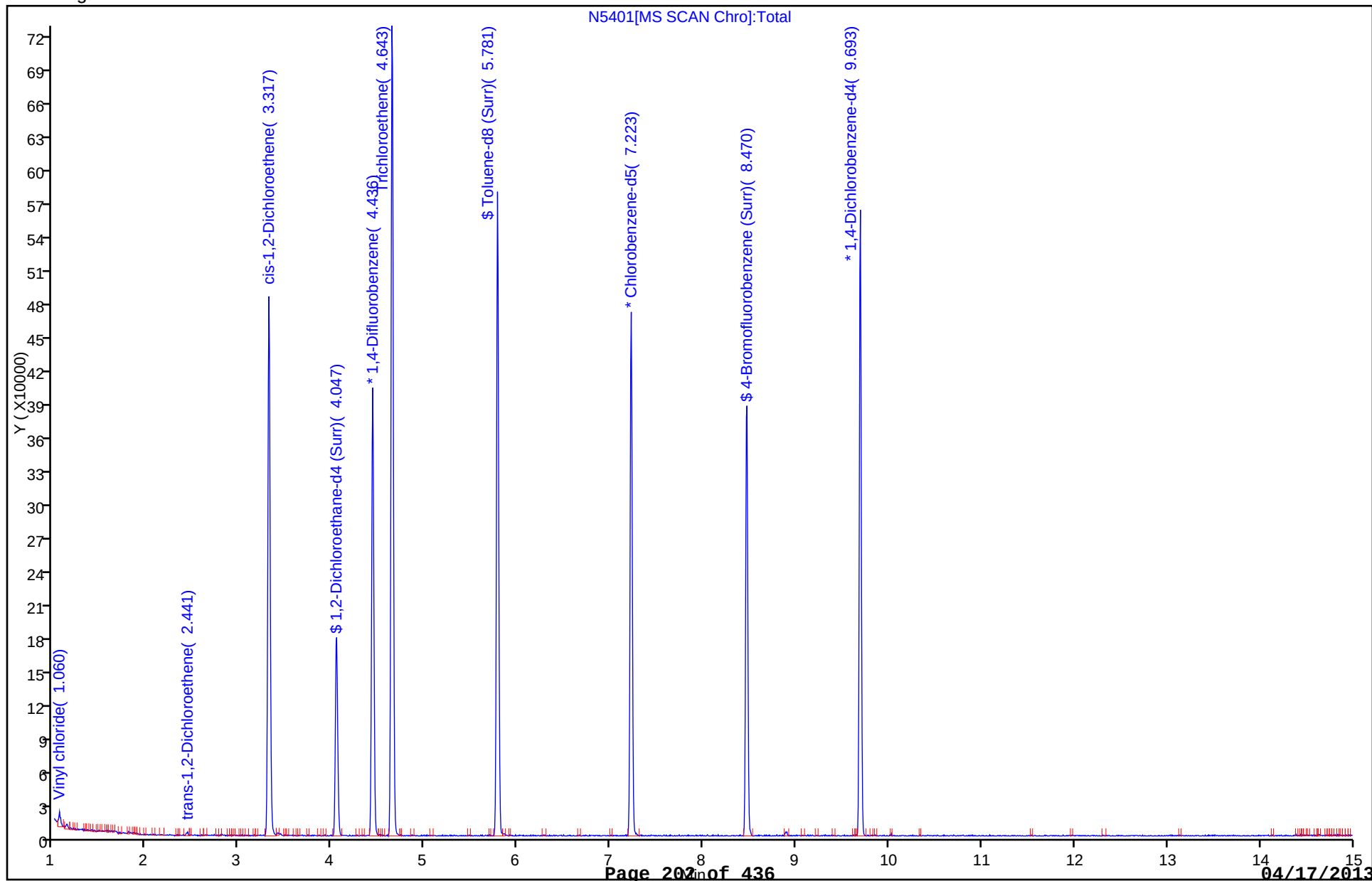
Operator ID: LH/NQ

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5401.D

Injection Date: 08-Apr-2013 16:24:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13D

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 19

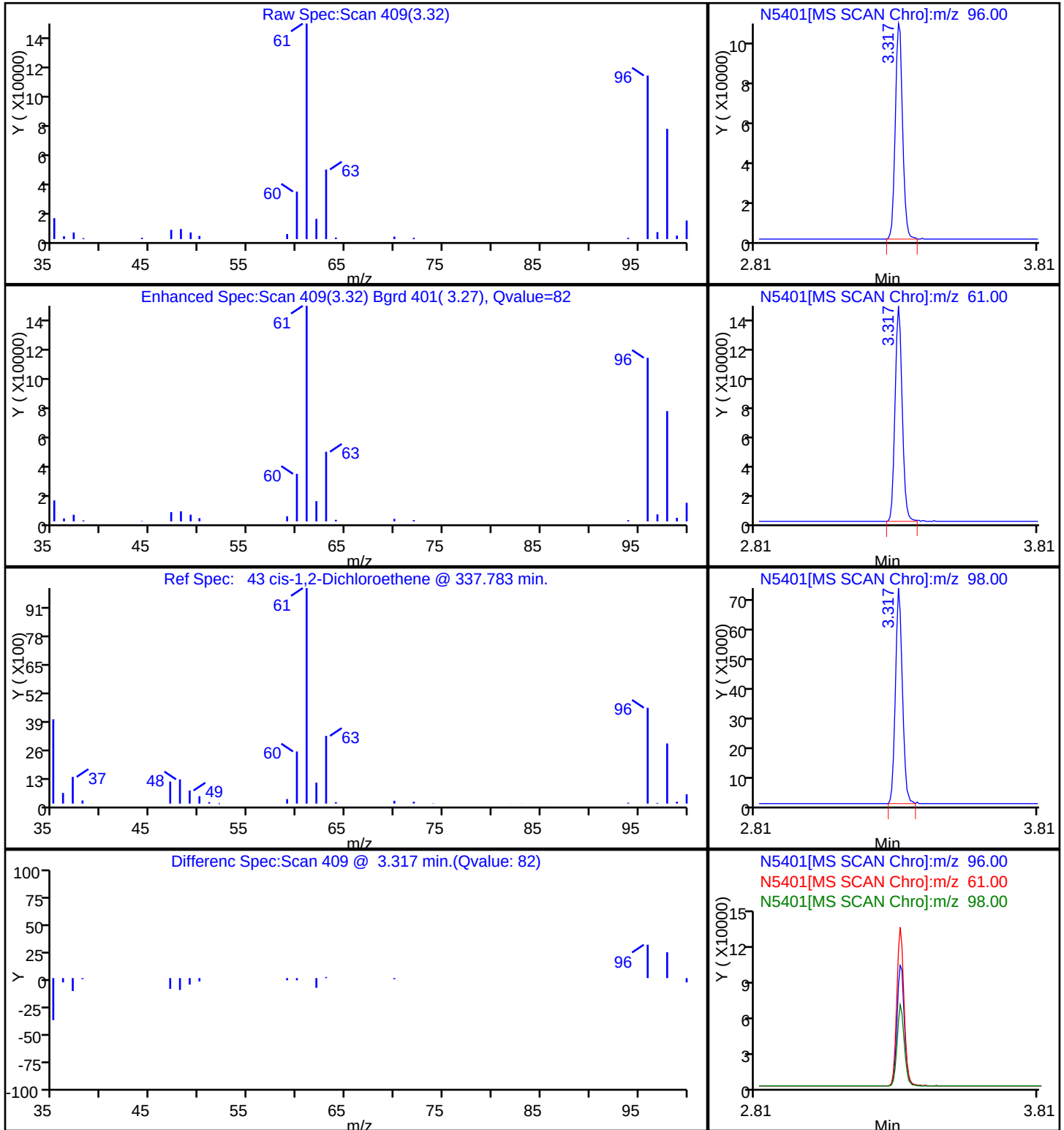
Operator ID: LH/NQ

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5401.D

Injection Date: 08-Apr-2013 16:24:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13D

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 19

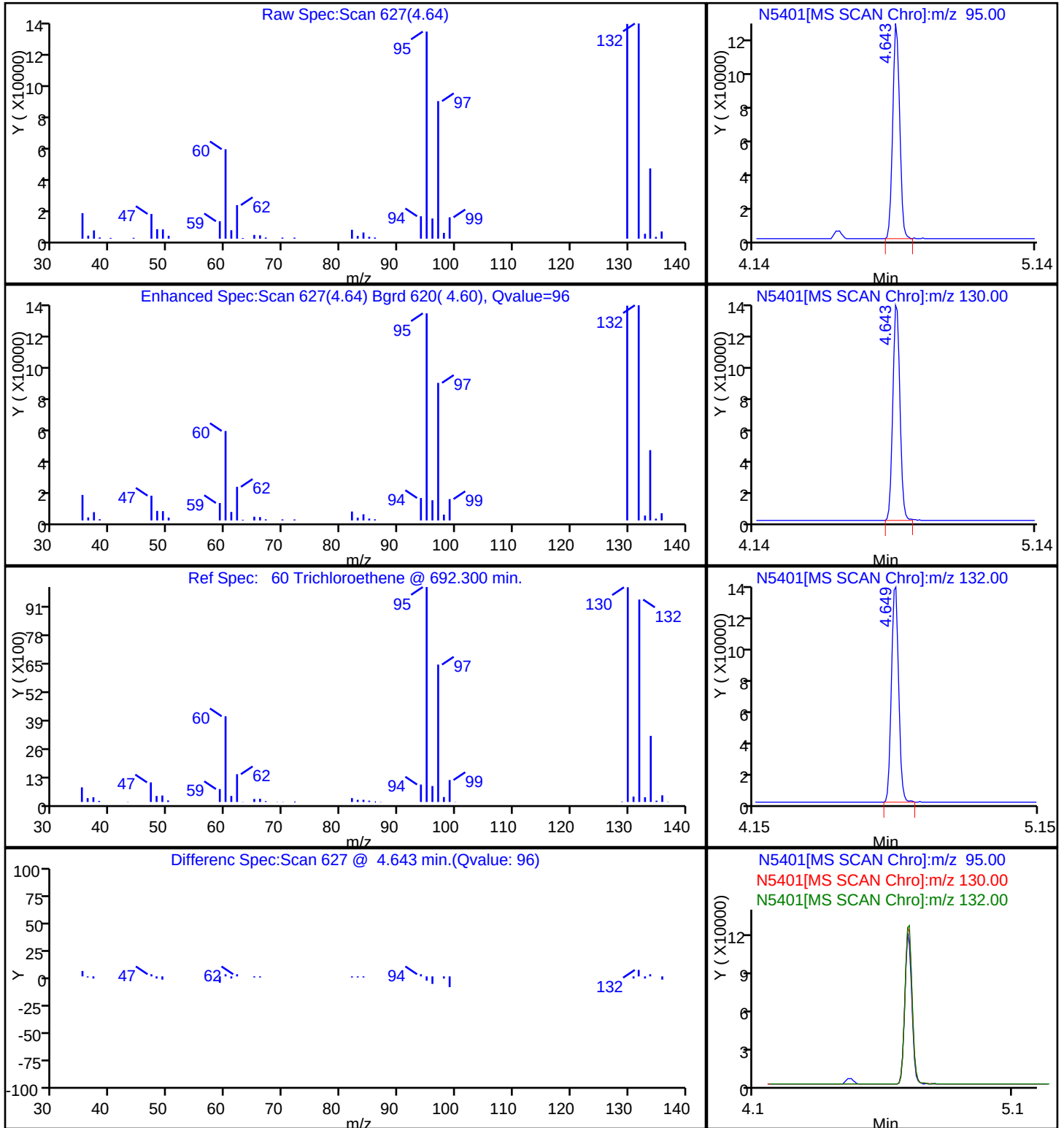
Operator ID: LH/NQ

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

60 Trichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5401.D

Injection Date: 08-Apr-2013 16:24:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13D

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 19

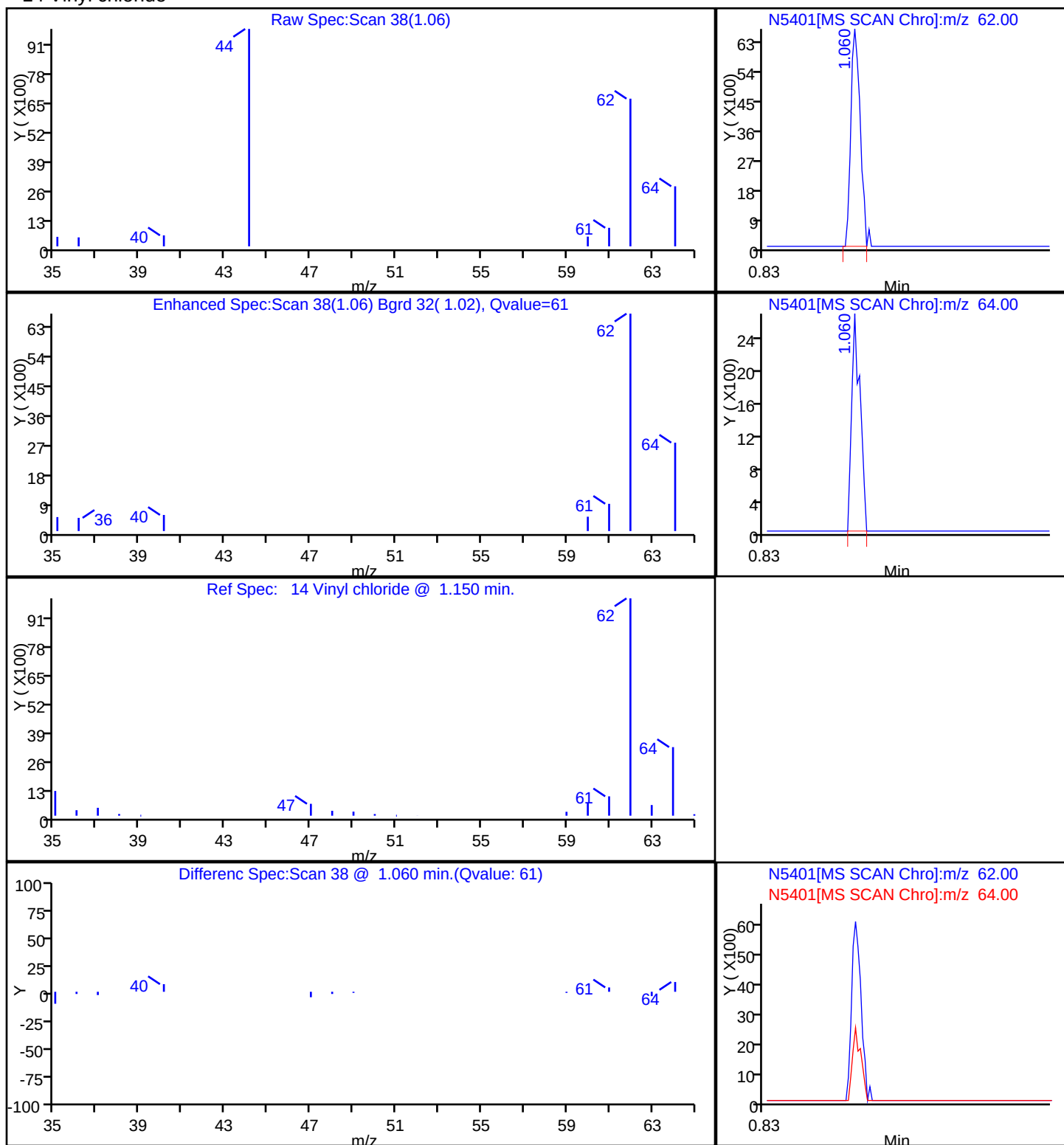
Operator ID: LH/NQ

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

14 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-14S Lab Sample ID: 480-35528-12

Matrix: Ground Water Lab File ID: N5402.D

Analysis Method: 8260B Date Collected: 04/02/2013 15:45

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 16:48

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.: 111445 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	3.1	J	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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: MW-14S Lab Sample ID: 480-35528-12
 Matrix: Ground Water Lab File ID: N5402.D
 Analysis Method: 8260B Date Collected: 04/02/2013 15:45
 Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 16:48
 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.: 111445 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)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
2037-26-5	Toluene-d8 (Surr)	100		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5402.D
 Lims ID: 480-35528-B-12 Client ID: MW-14S
 Inject. Date: 08-Apr-2013 16:48:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-35528-B-12
 Misc. Info.: 480-0020354-020
 Operator: LH/NQ Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 44
 Lims Batch ID: 111445 Lims Sample ID: 20
 Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N-8260.m
 Last Update: 08-Apr-2013 18:28:43 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK002

First Level Reviewer: larsonr

Date: 08-Apr-2013 18:29:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.431	0.006	91	315329	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	262590	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	149005	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	88	116955	26.3	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	348353	25.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	113739	23.8	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62	1.066	1.066	0.0	24	2323	0.5952	
15 Bromomethane	94		1.249					
16 Chloroethane	64		1.310					
18 Trichlorofluoromethane	101		1.443					
22 1,1-Dichloroethene	96		1.802					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43	1.918	1.906	0.012	62	4530	3.13	
25 Carbon disulfide	76		1.954					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.800					
43 cis-1,2-Dichloroethene	96		3.317					9
44 2-Butanone (MEK)	43		3.366					9
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.846					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.108					
60 Trichloroethene	95		4.643					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.753					
63 1,2-Dichloropropane	63		4.862					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732					9
73 Toluene	92		5.842					9
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.929					
93 Bromoform	173		8.148					
95 Isopropylbenzene	105		8.281					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.620					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.560					
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

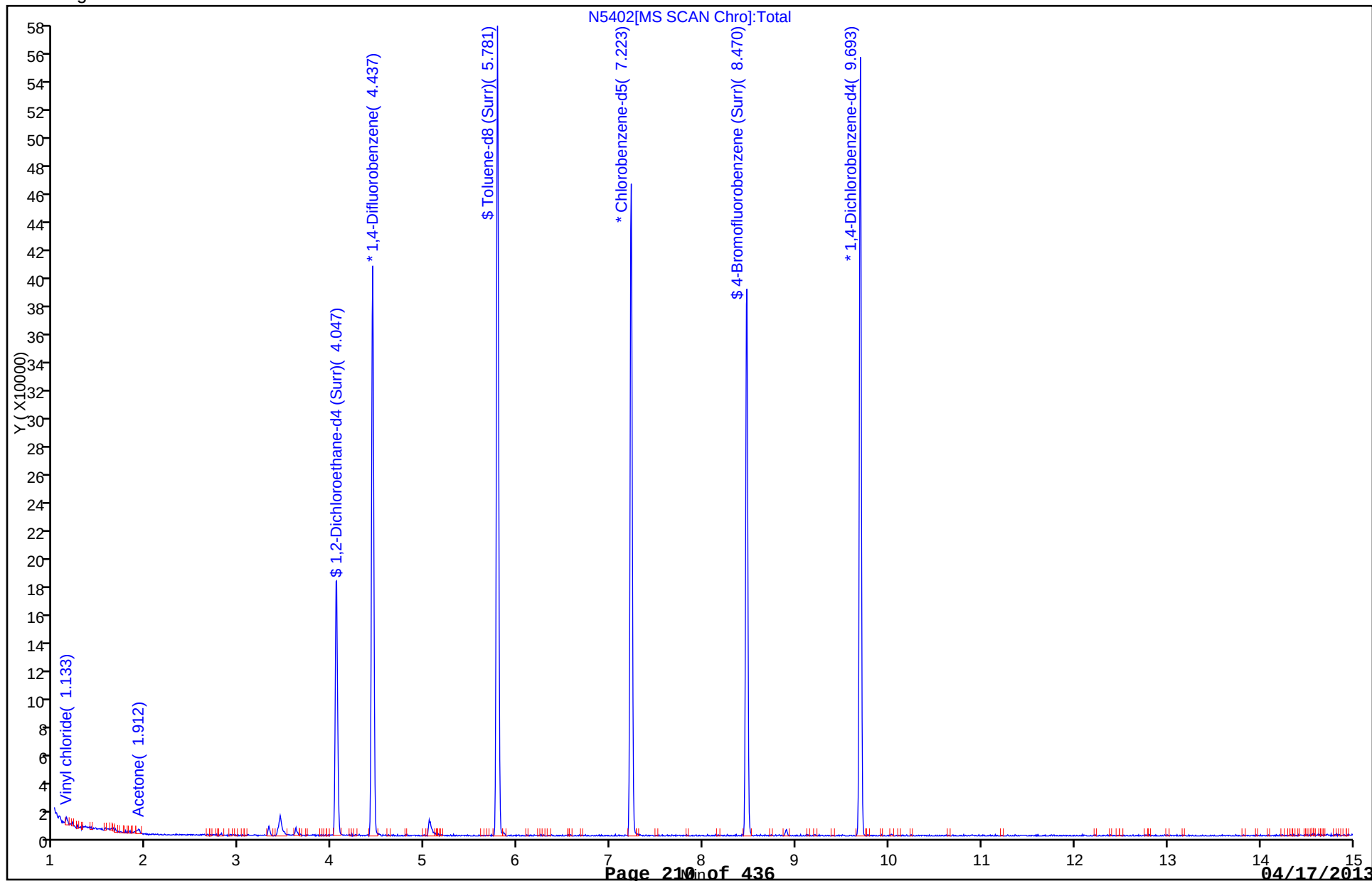
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5402.D
Injection Date: 08-Apr-2013 16:48:30 Limit Group: MV - 8260B ICAL
Client ID: MW-14S Instrument ID: HP5973N
Lims Batch ID: 111445 Lims Sample ID: 20
Operator ID: LH/NQ Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5402.D

Injection Date: 08-Apr-2013 16:48:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14S

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 20

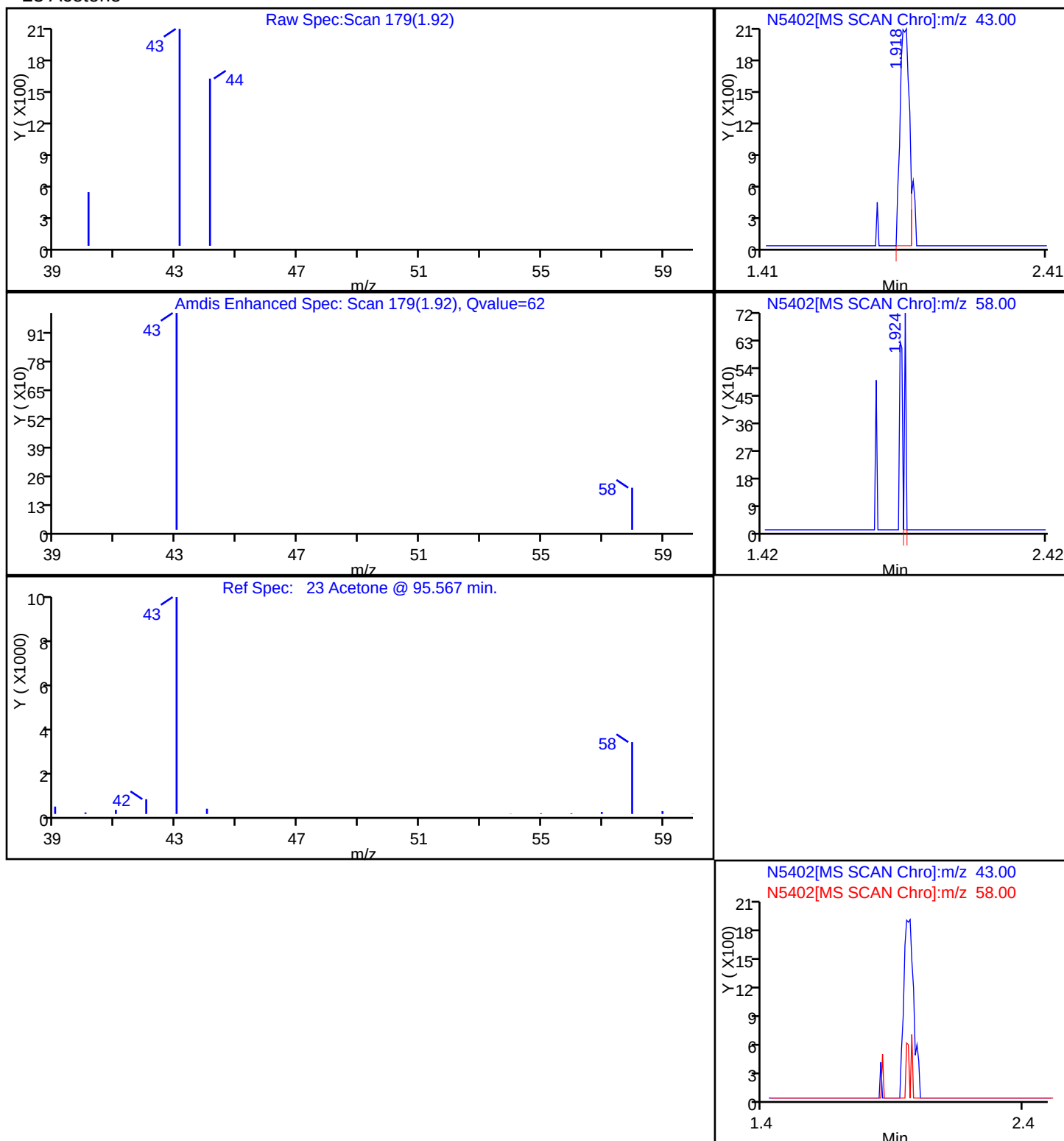
Operator ID: LH/NQ

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

23 Acetone



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-14D Lab Sample ID: 480-35528-13

Matrix: Ground Water Lab File ID: N5373.D

Analysis Method: 8260B Date Collected: 04/02/2013 16:20

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 18:15

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.: 111319 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	21		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	0.83	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	1.3		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	4.6		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	28		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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: MW-14D Lab Sample ID: 480-35528-13
 Matrix: Ground Water Lab File ID: N5373.D
 Analysis Method: 8260B Date Collected: 04/02/2013 16:20
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 18:15
 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.: 111319 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	0.99	J	1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	19		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)	109		66-137
460-00-4	4-Bromofluorobenzene (Surr)	88		73-120
2037-26-5	Toluene-d8 (Surr)	96		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5373.D
 Lims ID: 480-35528-A-13 Client ID: MW-14D
 Inject. Date: 06-Apr-2013 18:15:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-35528-A-13
 Misc. Info.: 480-0020332-040
 Operator: TF Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 15
 Lims Batch ID: 111319 Lims Sample ID: 40
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
 Last Update: 08-Apr-2013 13:23:37 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 13:23:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	94	307206	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	279455	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	149447	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	87	117932	27.3	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	355068	24.0	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	112673	22.1	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62	1.060	1.066	-0.006	97	73358	19.3	
15 Bromomethane	94		1.243					
16 Chloroethane	64	1.310	1.310	0.0	60	9142	4.56	
18 Trichlorofluoromethane	101		1.444					
22 1,1-Dichloroethene	96		1.803					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43		1.900					
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96	2.435	2.429	0.006	55	2709	0.6587	
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63	2.806	2.800	0.006	95	163696	21.4	
43 cis-1,2-Dichloroethene	96	3.311	3.317	-0.006	81	126409	28.4	
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
52 Cyclohexane	56		3.713					
51 1,1,1-Trichloroethane	97		3.713					
53 Carbon tetrachloride	117		3.841					
55 Benzene	78	4.047	4.041	0.006	42	21486	1.29	
57 1,2-Dichloroethane	62	4.114	4.108	0.006	39	4614	0.8330	
60 Trichloroethene	95	4.643	4.644	-0.001	54	4077	0.99	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.759					
63 1,2-Dichloropropane	63		4.863					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.733					9
73 Toluene	92		5.842					9
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					
90 m-Xylene & p-Xylene	106		7.485					
91 o-Xylene	106		7.892					
92 Styrene	104		7.923					
93 Bromoform	173		8.142					
95 Isopropylbenzene	105		8.282					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.561					
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5373.D

Injection Date: 06-Apr-2013 18:15:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 40

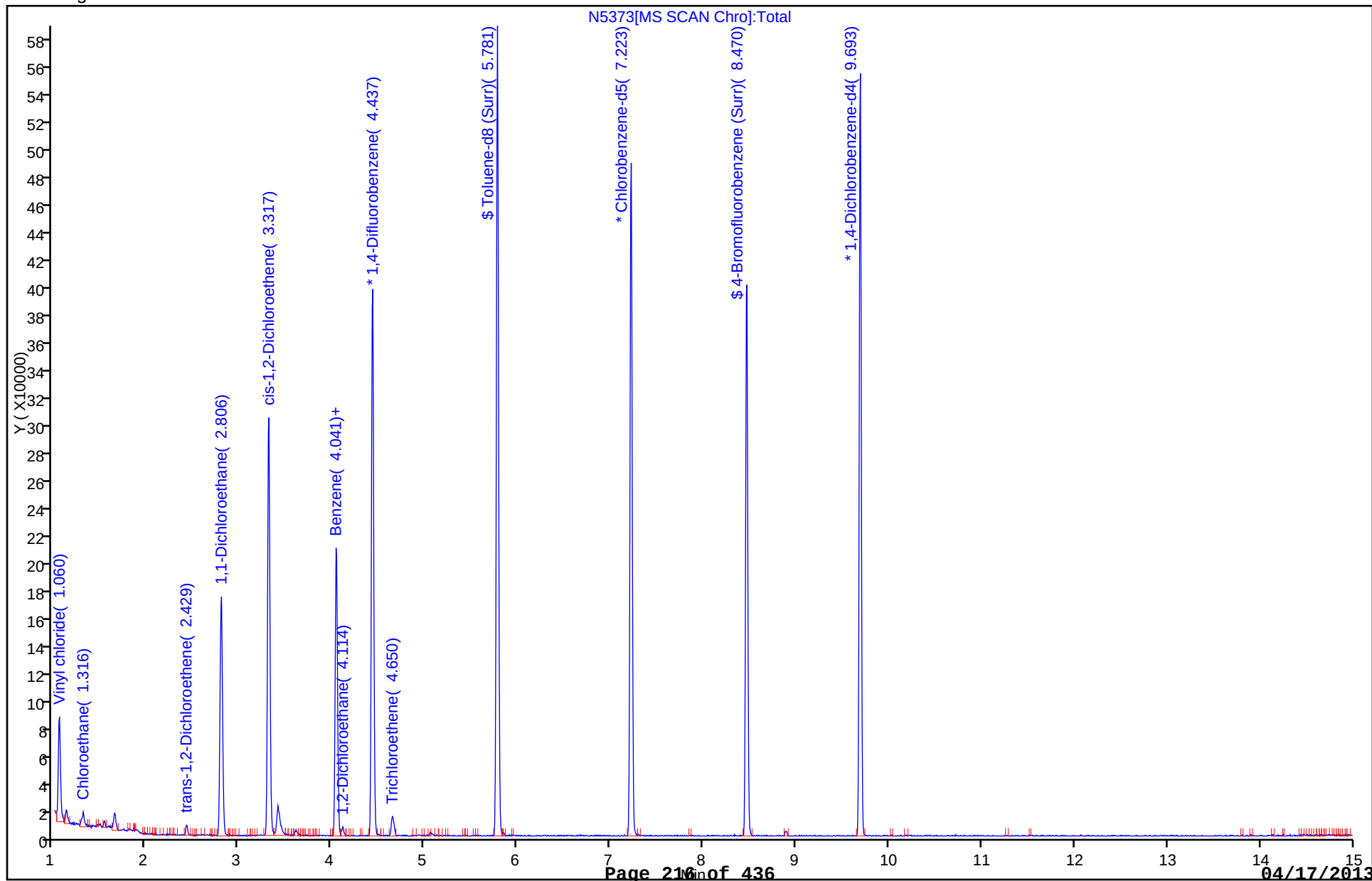
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5373.D

Injection Date: 06-Apr-2013 18:15:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 40

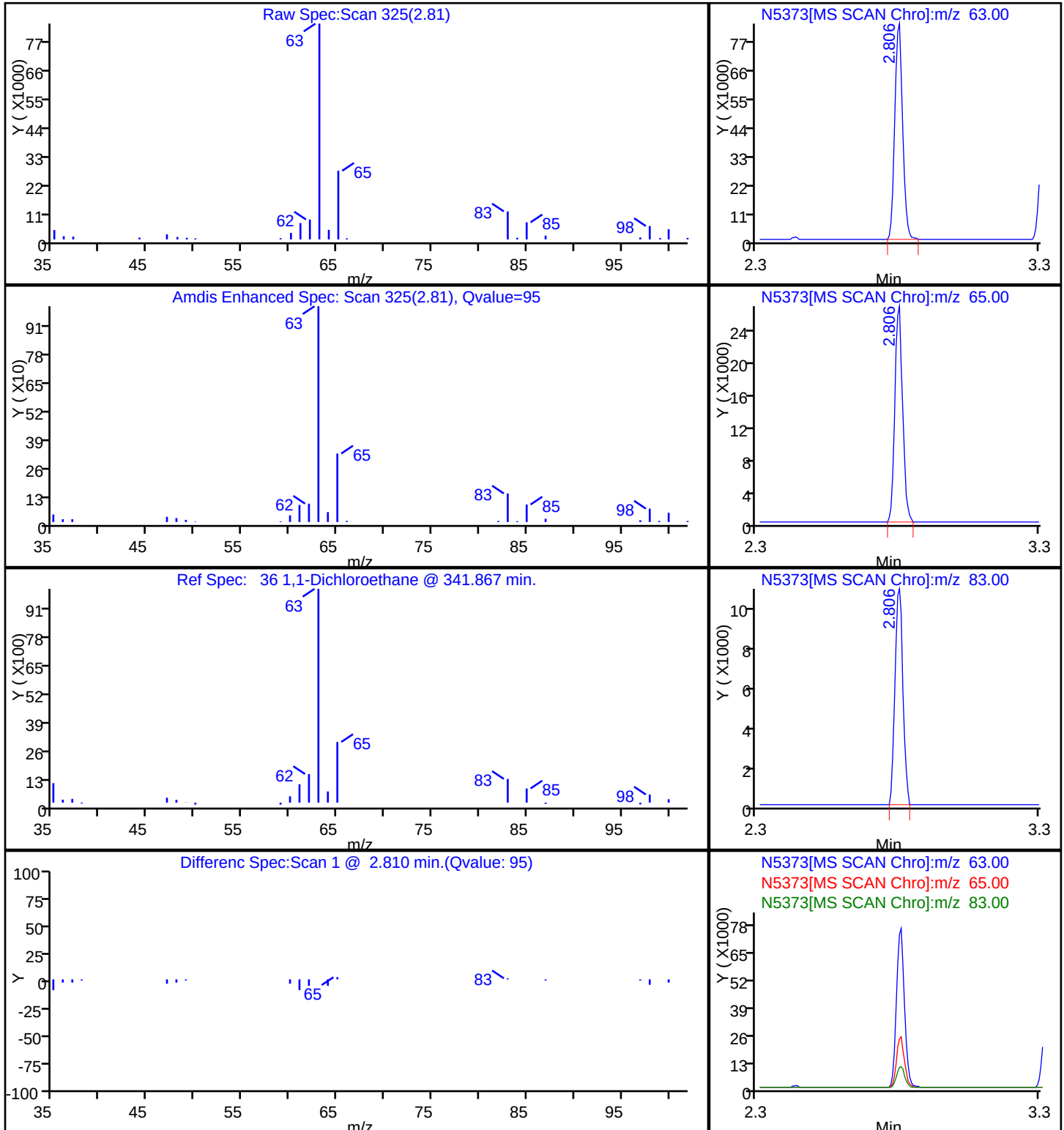
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

36 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5373.D

Injection Date: 06-Apr-2013 18:15:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 40

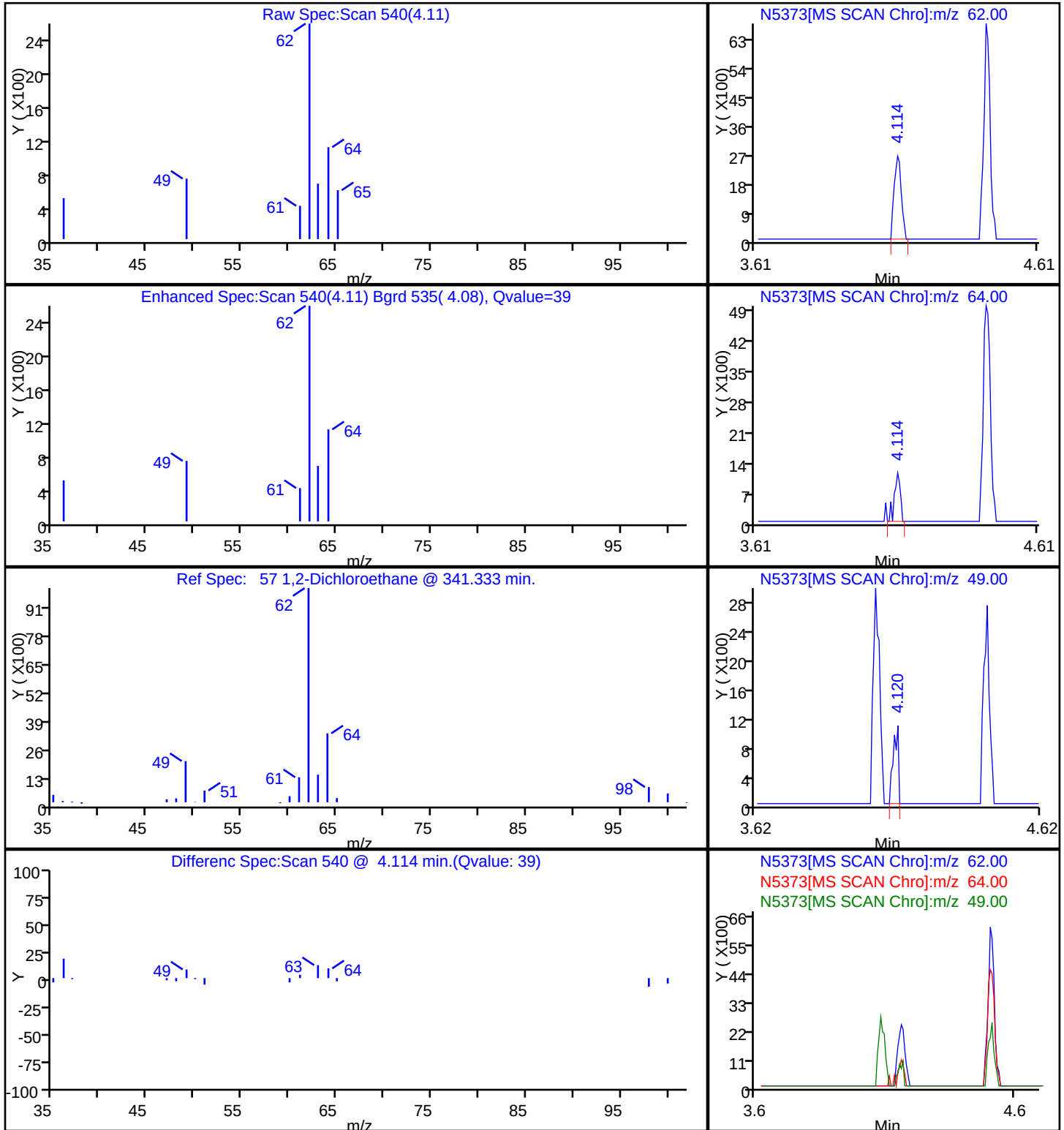
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

57 1,2-Dichloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5373.D

Injection Date: 06-Apr-2013 18:15:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 40

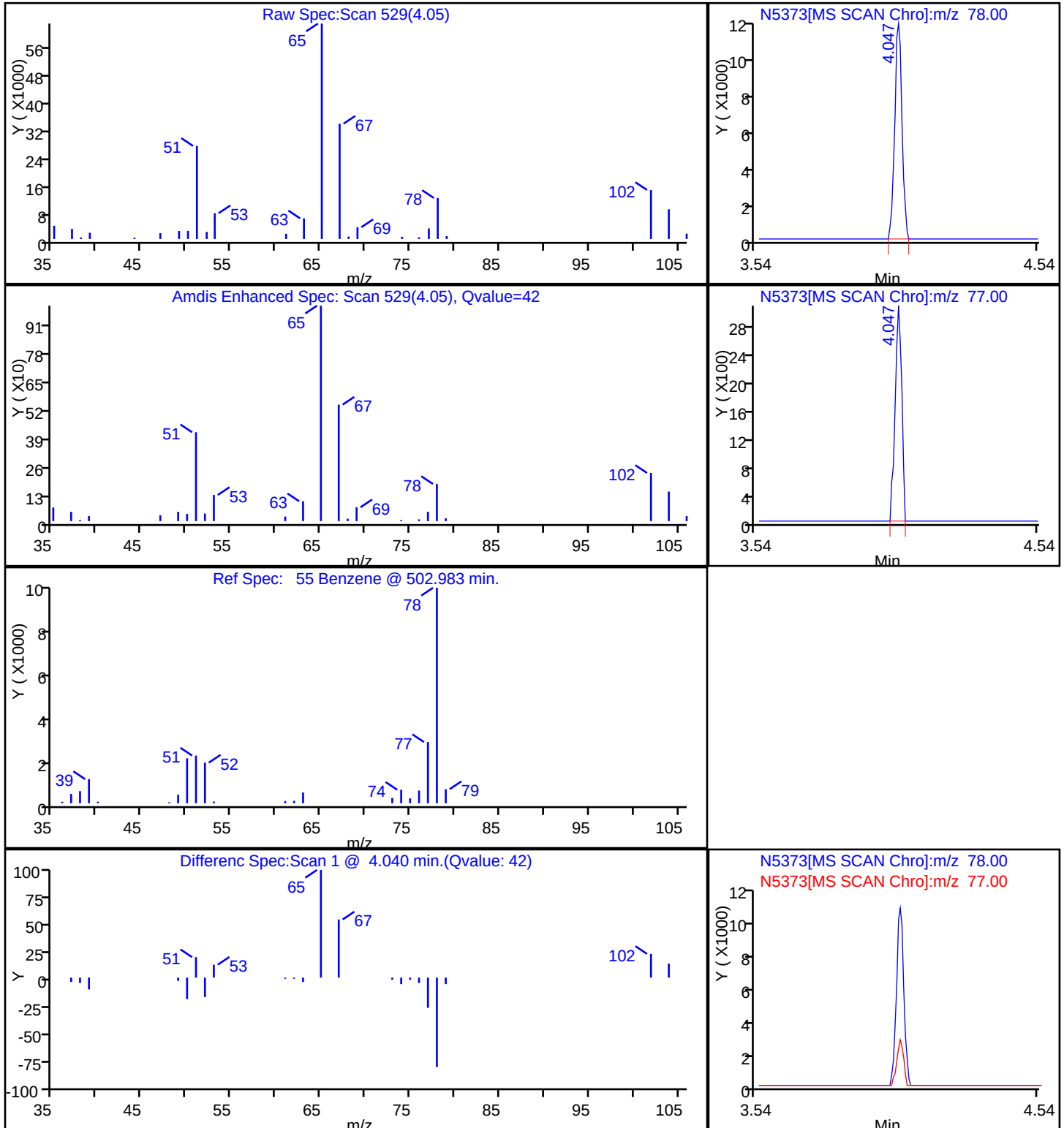
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

55 Benzene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5373.D

Injection Date: 06-Apr-2013 18:15:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 40

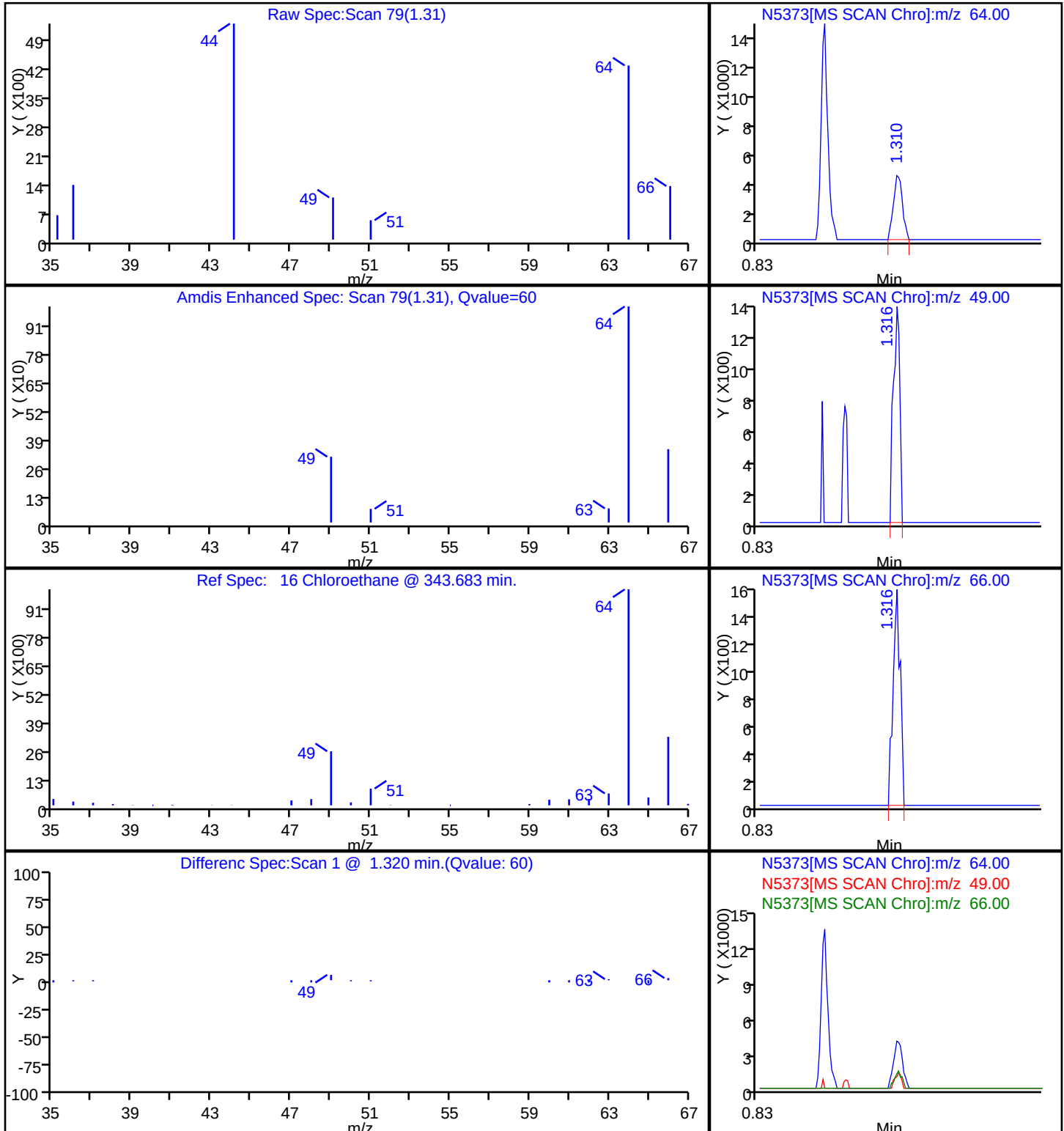
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

16 Chloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5373.D

Injection Date: 06-Apr-2013 18:15:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 40

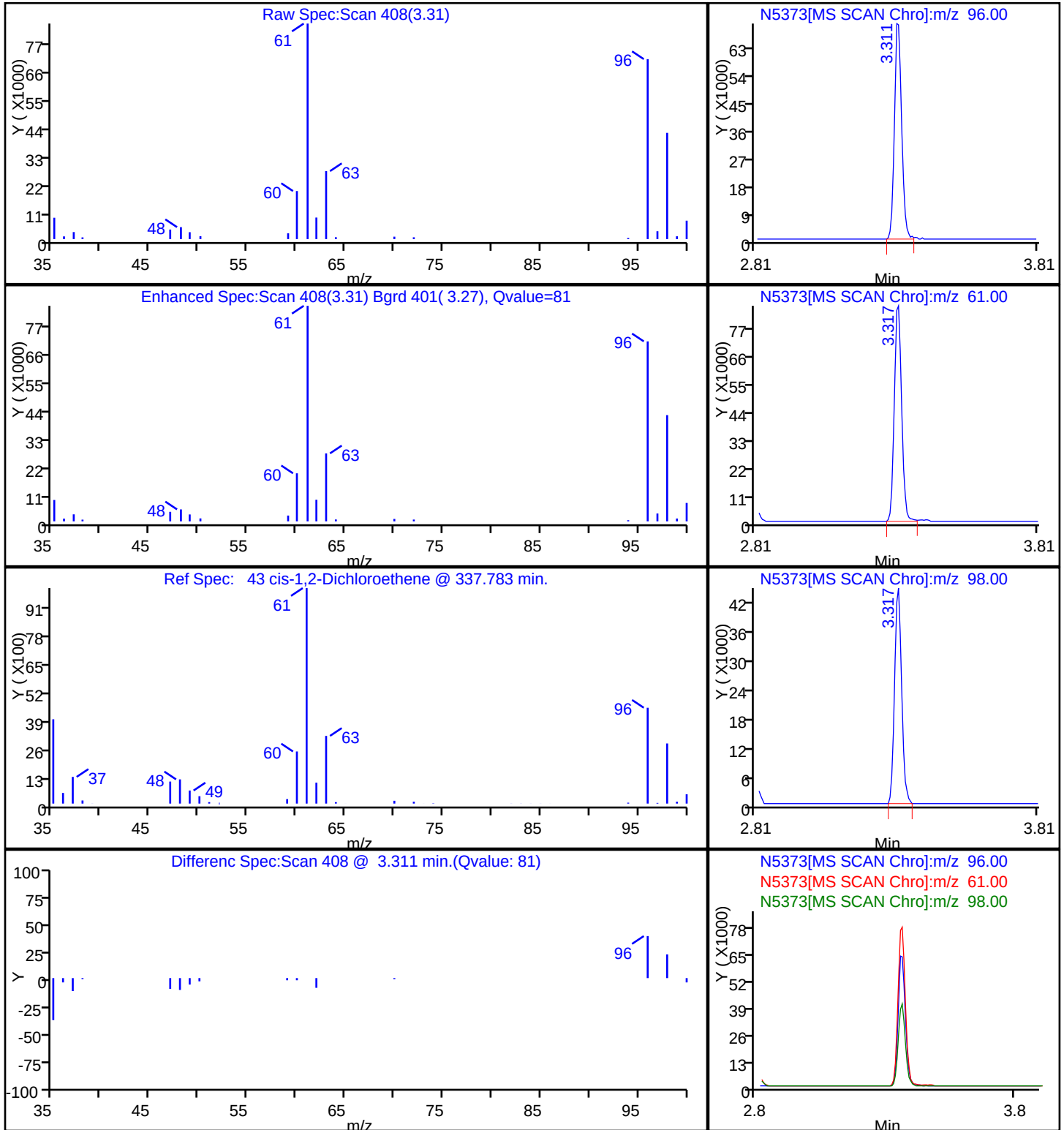
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5373.D

Injection Date: 06-Apr-2013 18:15:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 40

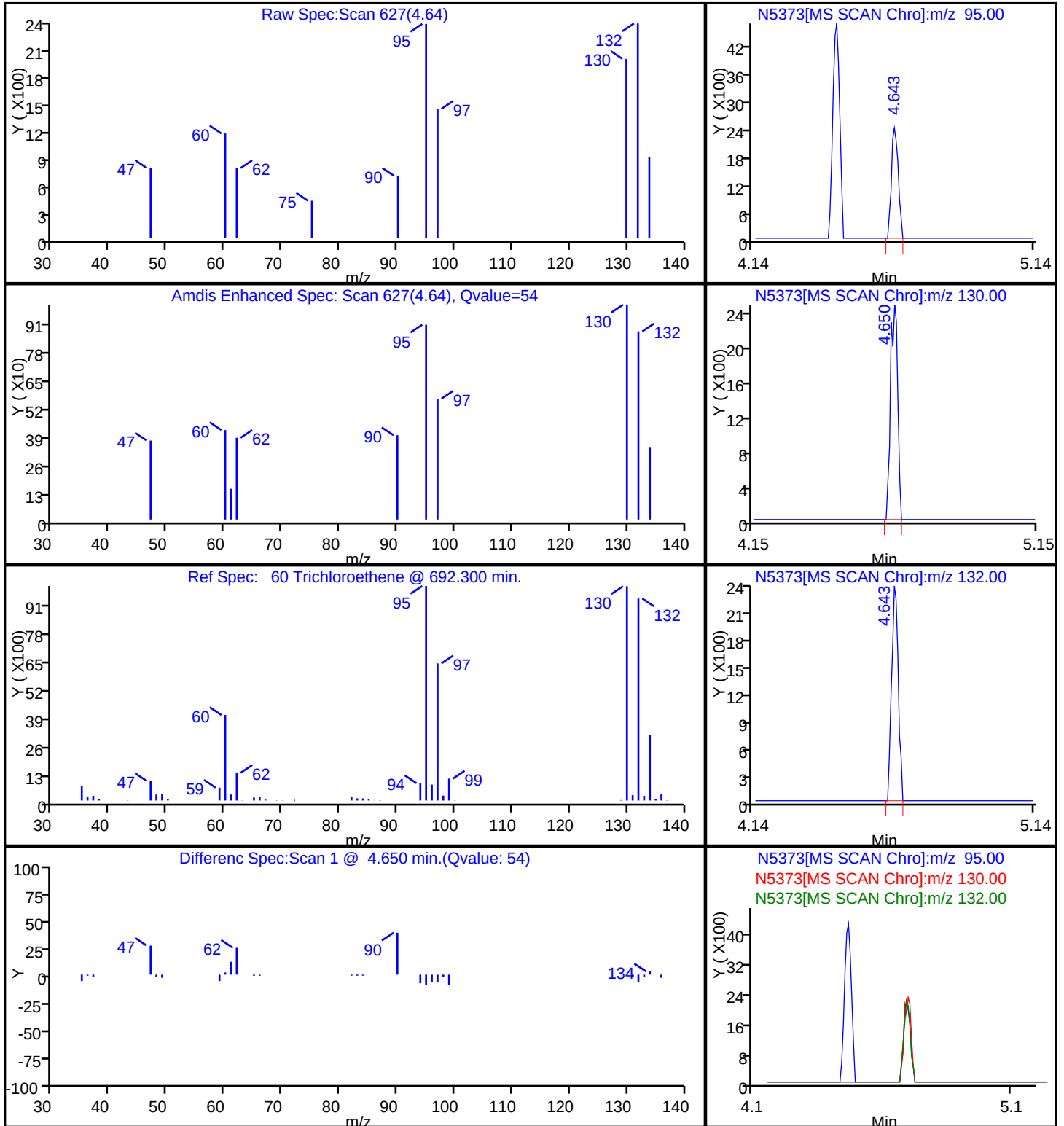
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

60 Trichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5373.D

Injection Date: 06-Apr-2013 18:15:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 40

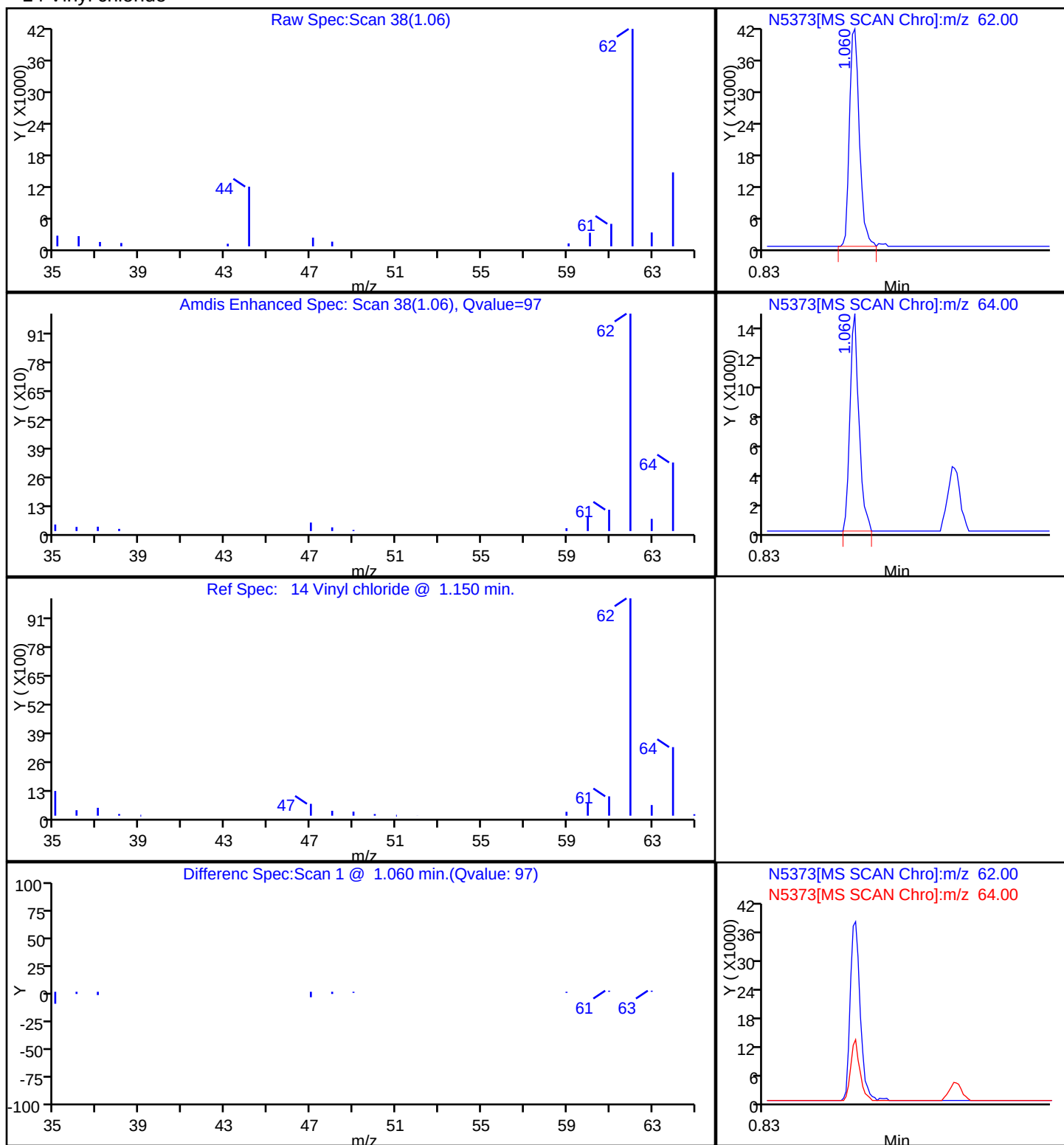
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

14 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-15S Lab Sample ID: 480-35528-14

Matrix: Ground Water Lab File ID: N5374.D

Analysis Method: 8260B Date Collected: 04/02/2013 13:30

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 18:39

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.: 111319 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	780		20	7.6
75-35-4	1,1-Dichloroethene	19	J	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)	240		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	1400		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	560		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	1100		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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: MW-15S Lab Sample ID: 480-35528-14
 Matrix: Ground Water Lab File ID: N5374.D
 Analysis Method: 8260B Date Collected: 04/02/2013 13:30
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 18:39
 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.: 111319 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	12	J	20	8.8
100-42-5	Styrene	ND		20	15
127-18-4	Tetrachloroethene	ND		20	7.2
108-88-3	Toluene	140		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	140		20	9.2
75-69-4	Trichlorofluoromethane	ND		20	18
75-01-4	Vinyl chloride	420		20	18
1330-20-7	Xylenes, Total	19	J	40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		66-137
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
2037-26-5	Toluene-d8 (Surr)	98		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5374.D
 Lims ID: 480-35528-A-14 Client ID: MW-15S
 Inject. Date: 06-Apr-2013 18:39:30 Dil. Factor: 20.0000
 Sample Type: Client
 Sample ID: 480-35528-A-14
 Misc. Info.: 480-0020332-041
 Operator: TF Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 16
 Lims Batch ID: 111319 Lims Sample ID: 41
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
 Last Update: 08-Apr-2013 13:23:37 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 13:24:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	92	300767	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	261572	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	95	145423	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	87	113505	26.8	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	83	340168	24.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	87	109352	22.9	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62	1.060	1.066	-0.006	82	78493	21.1	
15 Bromomethane	94		1.243					
16 Chloroethane	64	1.322	1.310	0.012	97	43844	27.9	
18 Trichlorofluoromethane	101		1.444					
22 1,1-Dichloroethene	96	1.809	1.803	0.005	50	2693	0.9320	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43	1.912	1.900	0.012	99	96404	69.8	
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84	2.228	2.228	0.0	62	2679	0.5959	
33 trans-1,2-Dichloroethene	96	2.435	2.429	0.006	33	875	0.2173	
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63	2.806	2.800	0.006	97	293252	39.2	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	81	235919	54.2	
44 2-Butanone (MEK)	43	3.384	3.366	0.018	92	29875	12.1	
50 Chloroform	83		3.615					
52 Cyclohexane	56		3.713					
51 1,1,1-Trichloroethane	97		3.713					
53 Carbon tetrachloride	117		3.841					
55 Benzene	78		4.041					9
57 1,2-Dichloroethane	62		4.108					
60 Trichloroethene	95	4.643	4.644	-0.001	89	28373	7.06	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.759					
63 1,2-Dichloropropane	63		4.863					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.733					
73 Toluene	92	5.848	5.842	0.006	91	73191	7.11	
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					9
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					9
90 m-Xylene & p-Xylene	106	7.478	7.485	-0.007	83	7145	0.9474	
91 o-Xylene	106	7.898	7.892	0.006	37	4557	0.5808	
92 Styrene	104		7.923					
93 Bromoform	173		8.142					
95 Isopropylbenzene	105		8.282					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.561					
S 126 Xylenes, Total	1				0		1.53	

QC Flag Legend

Processing Flags

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5374.D

Injection Date: 06-Apr-2013 18:39:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 41

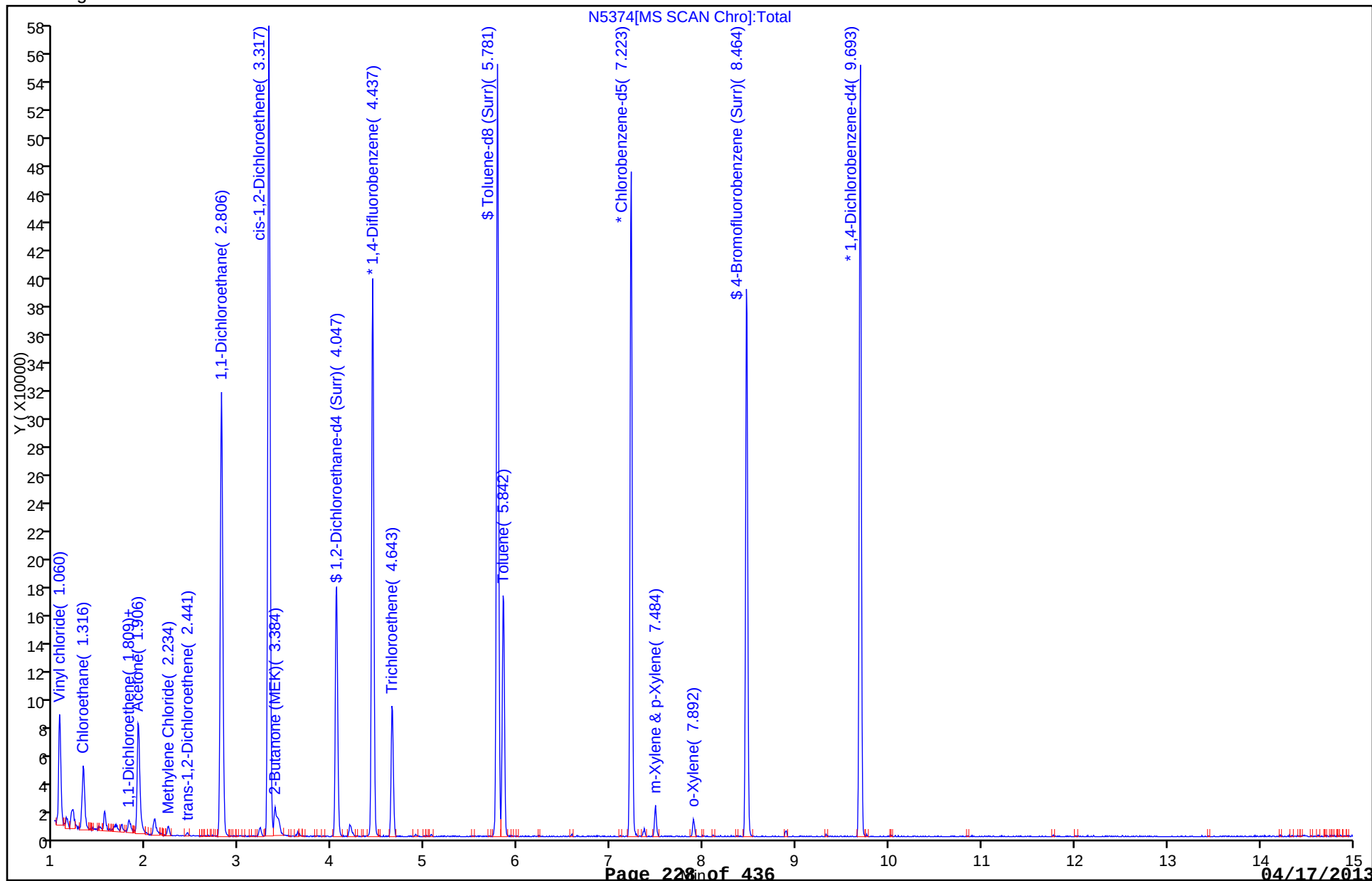
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5374.D

Injection Date: 06-Apr-2013 18:39:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 41

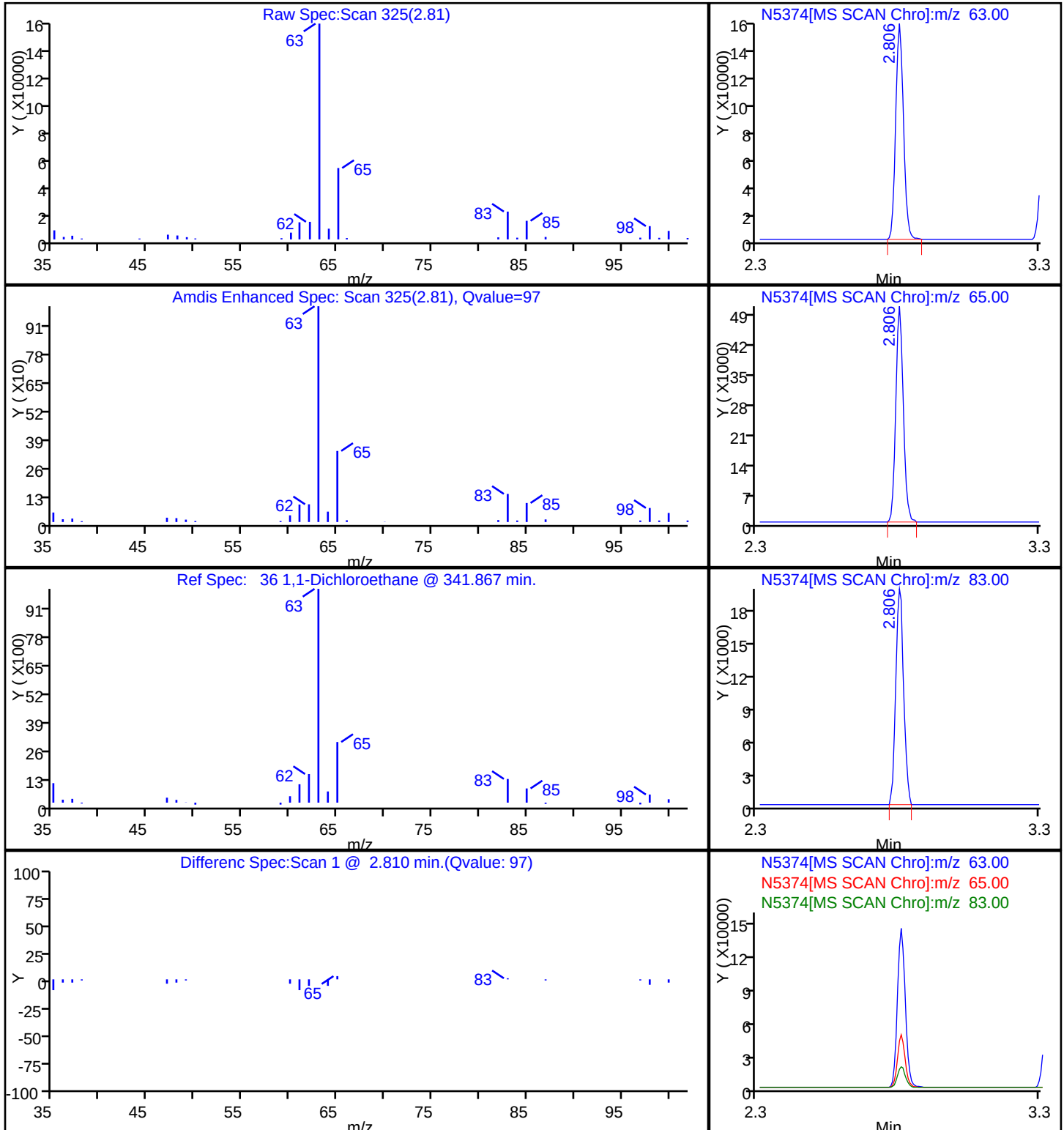
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

36 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5374.D

Injection Date: 06-Apr-2013 18:39:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 41

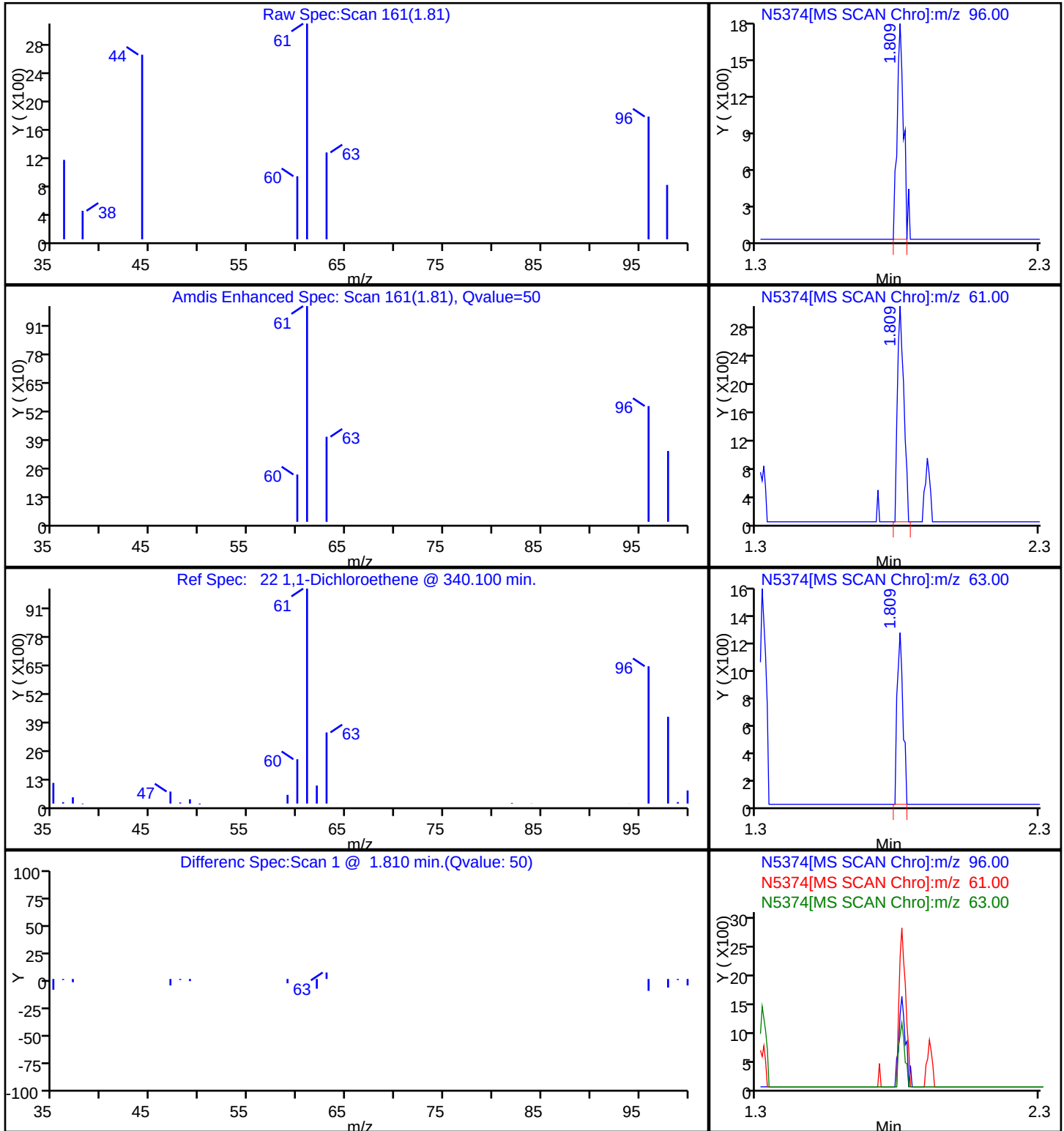
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

22 1,1-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5374.D

Injection Date: 06-Apr-2013 18:39:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 41

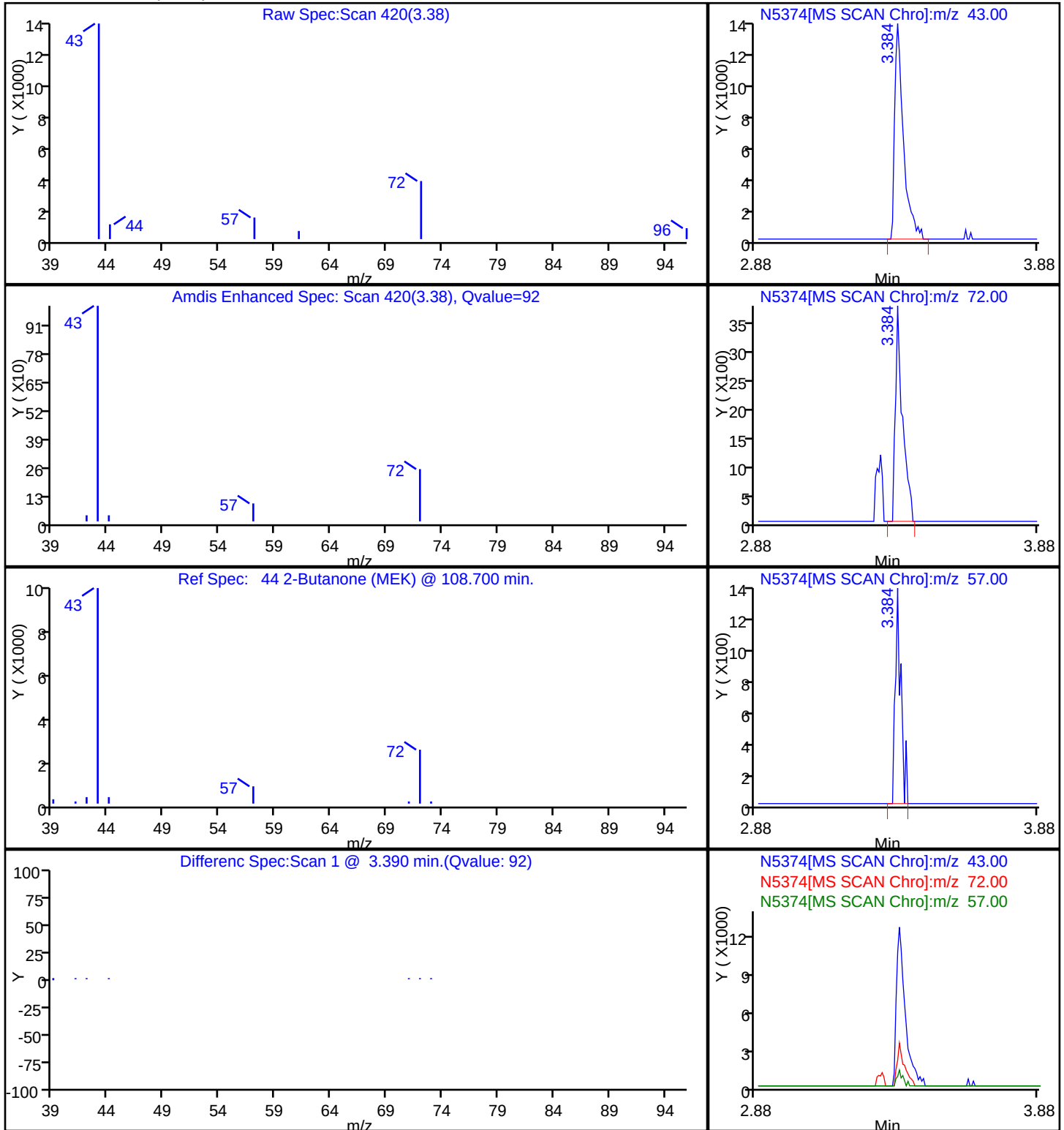
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

44 2-Butanone (MEK)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5374.D

Injection Date: 06-Apr-2013 18:39:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 41

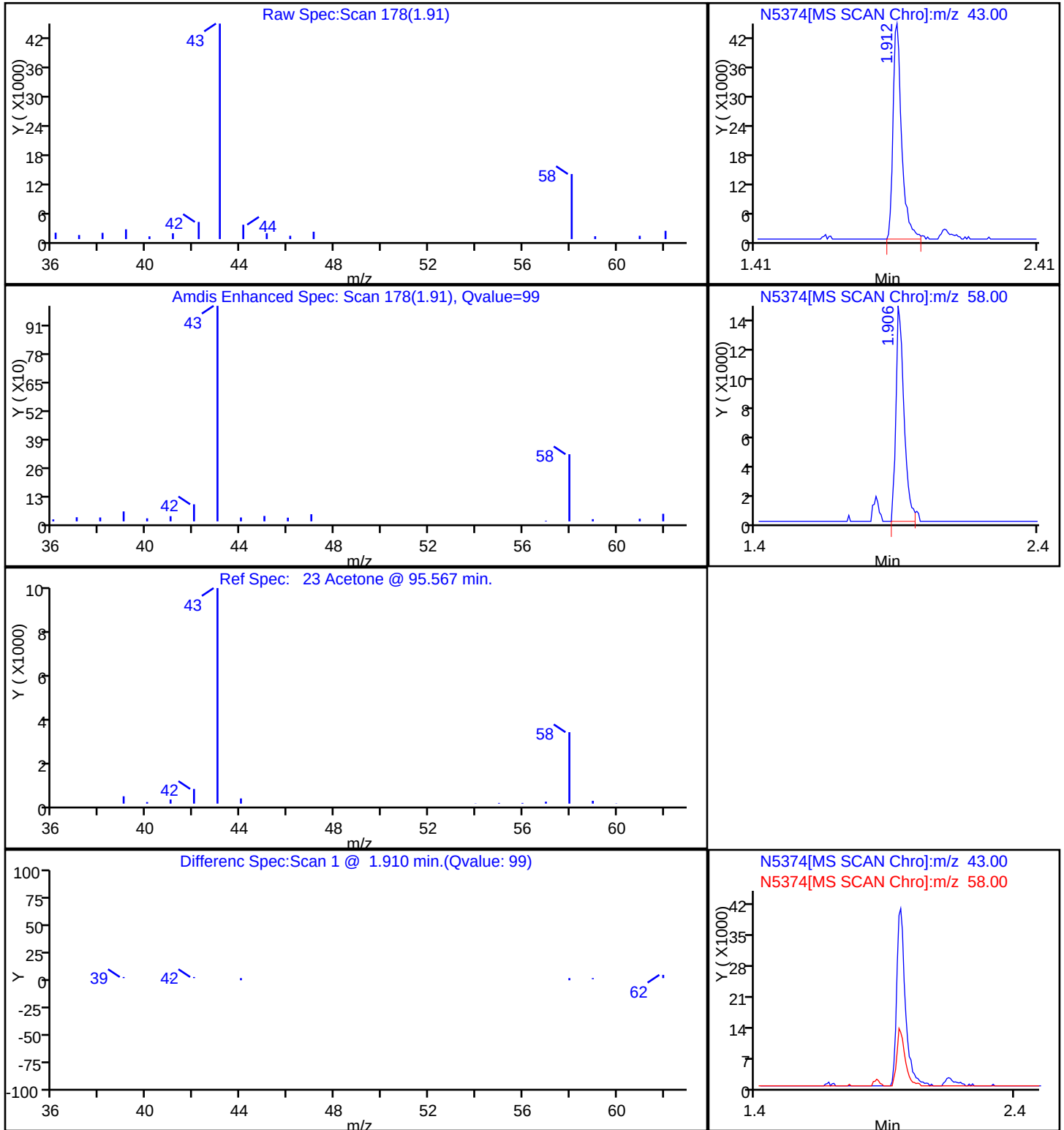
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

23 Acetone



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5374.D

Injection Date: 06-Apr-2013 18:39:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 41

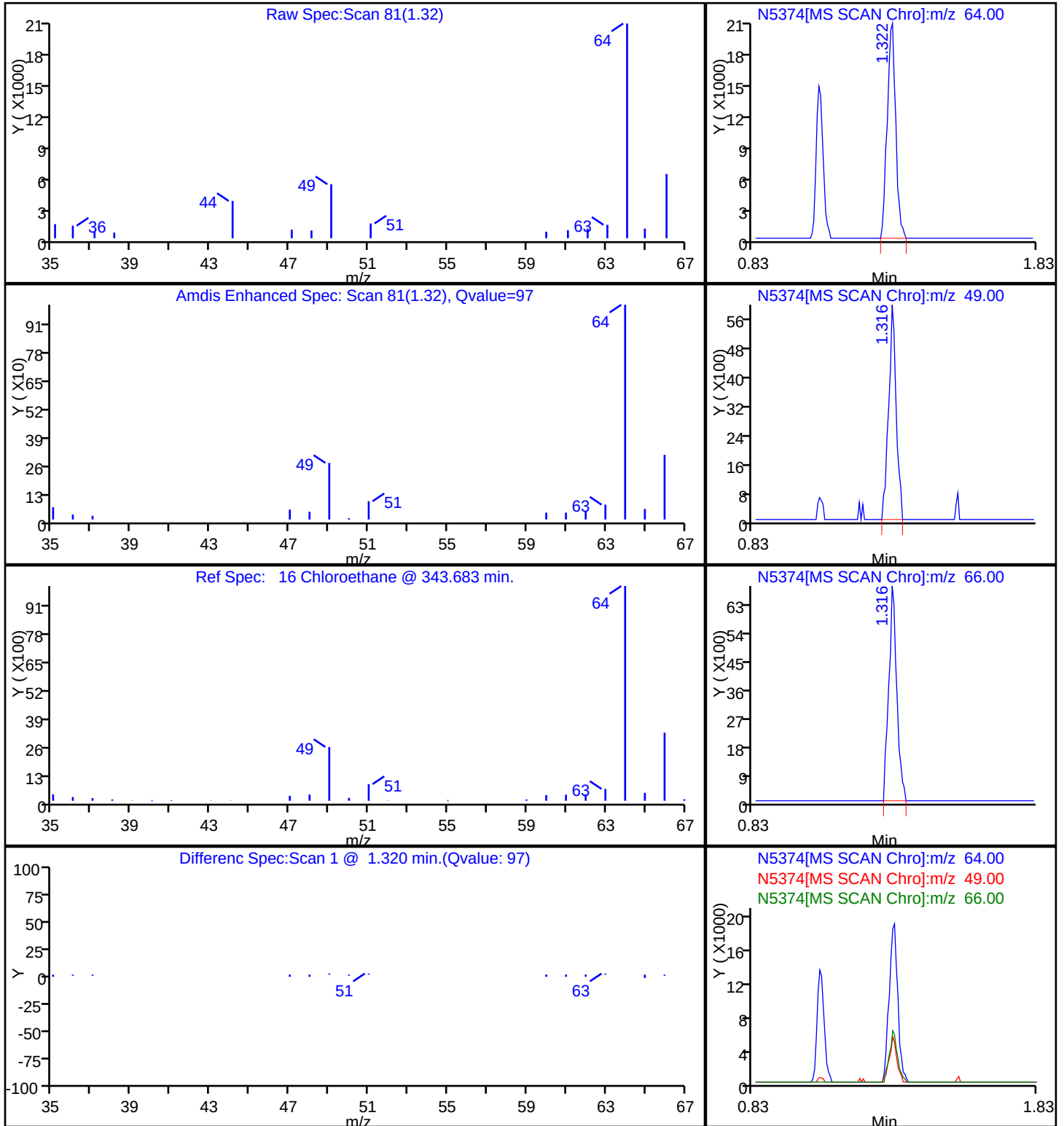
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

16 Chloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5374.D

Injection Date: 06-Apr-2013 18:39:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 41

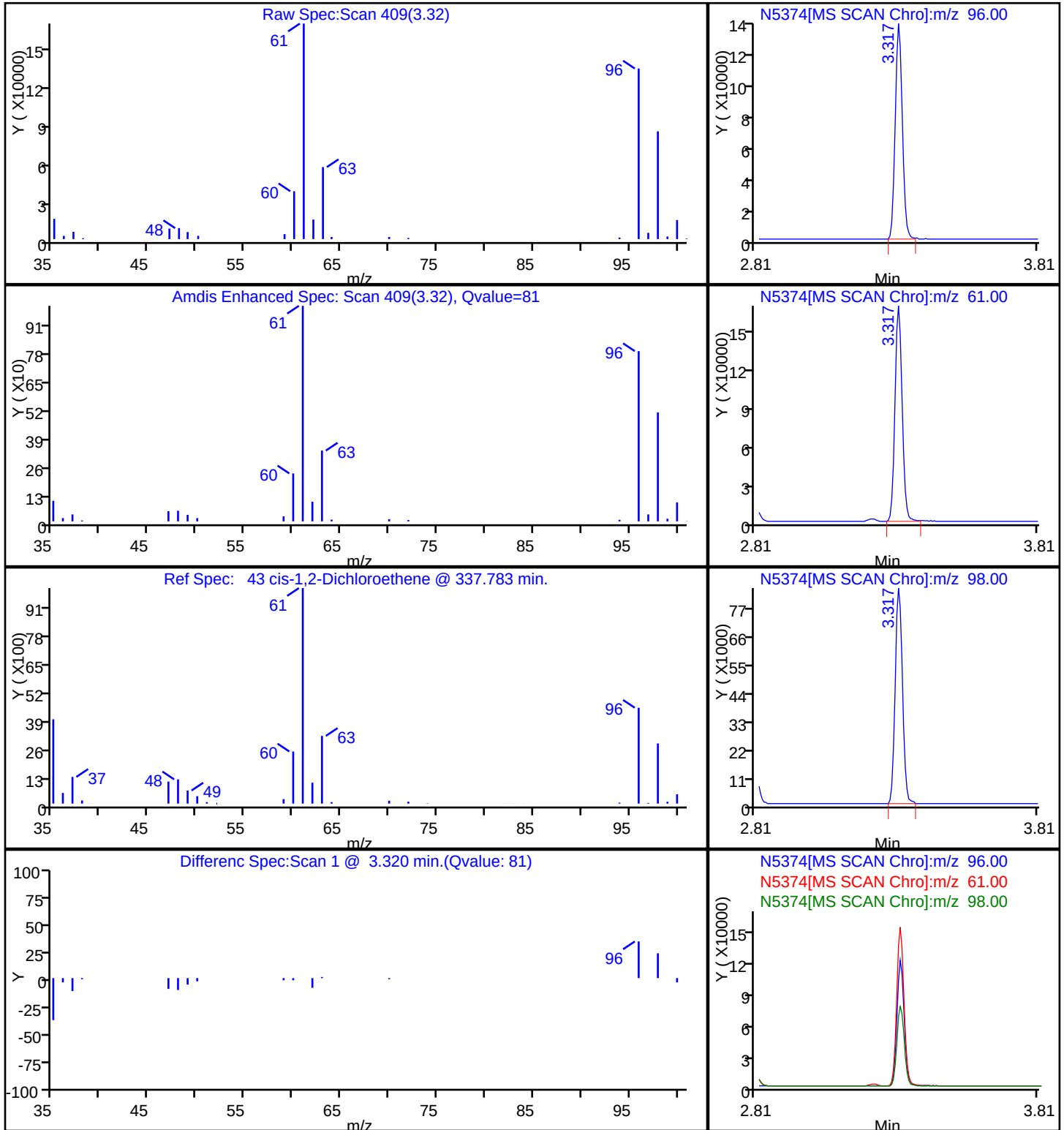
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5374.D

Injection Date: 06-Apr-2013 18:39:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 41

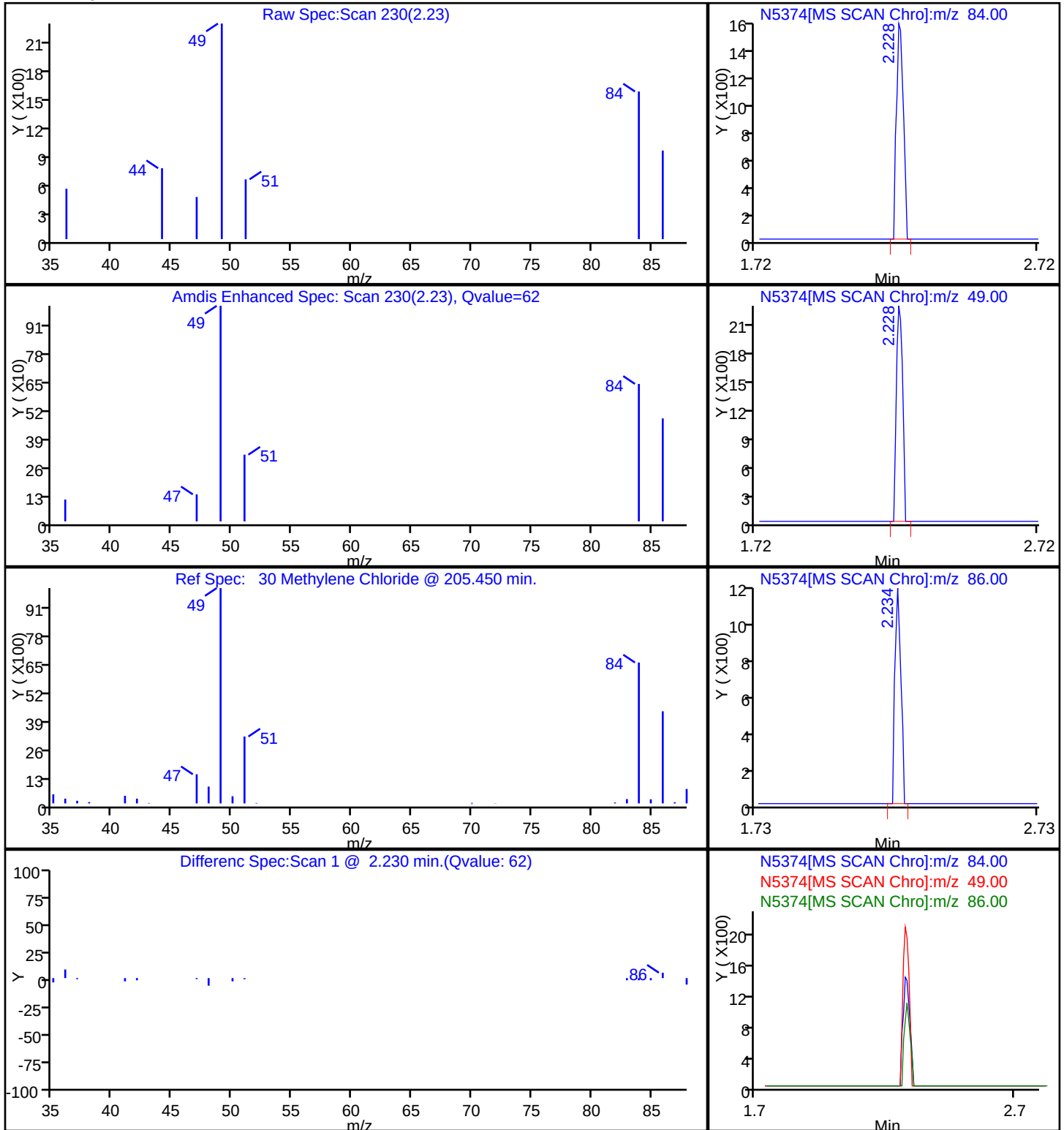
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

30 Methylene Chloride



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5374.D

Injection Date: 06-Apr-2013 18:39:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 41

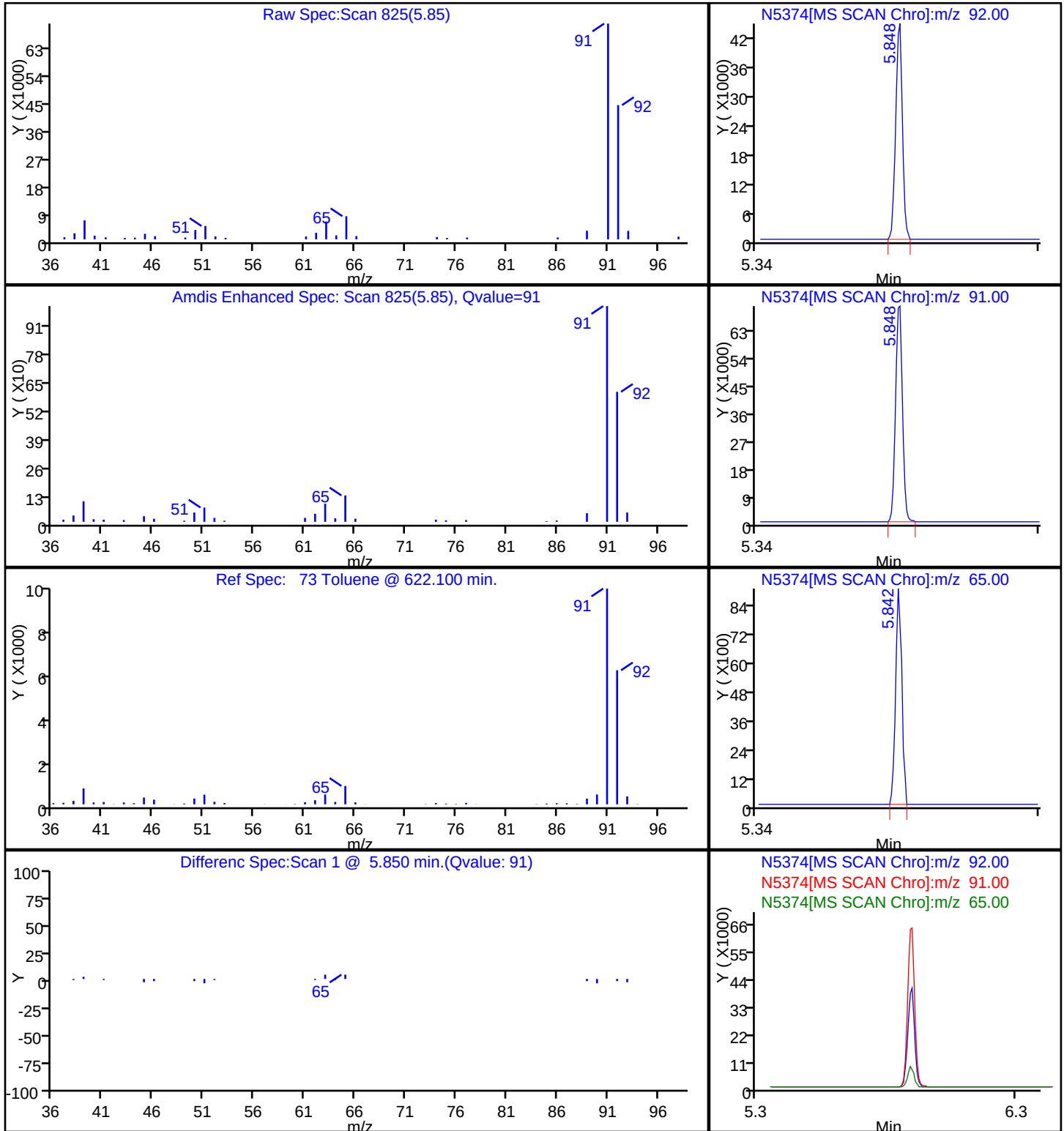
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

73 Toluene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5374.D

Injection Date: 06-Apr-2013 18:39:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 41

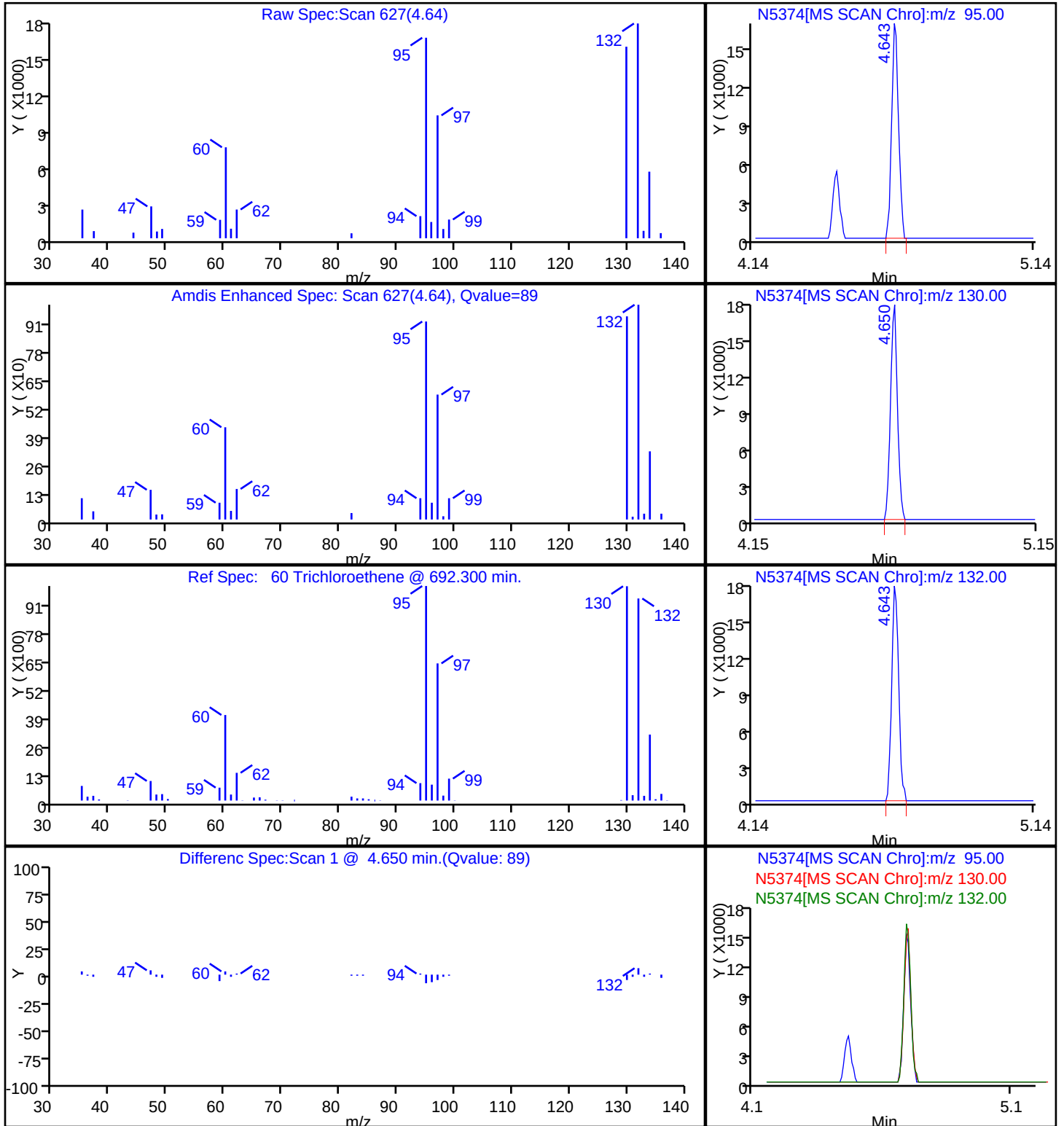
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

60 Trichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5374.D

Injection Date: 06-Apr-2013 18:39:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 41

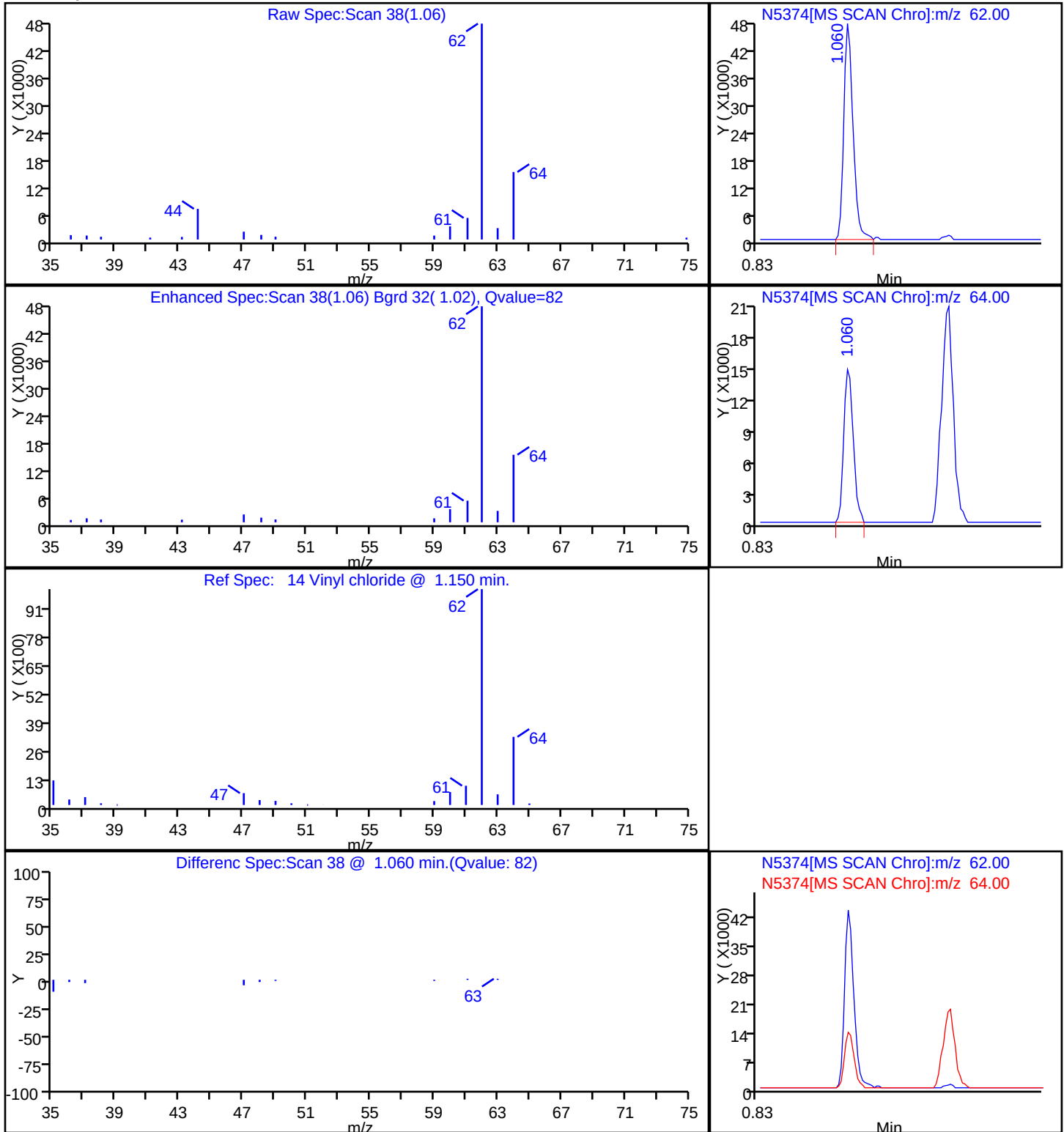
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

14 Vinyl chloride



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5374.D

Injection Date: 06-Apr-2013 18:39:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 41

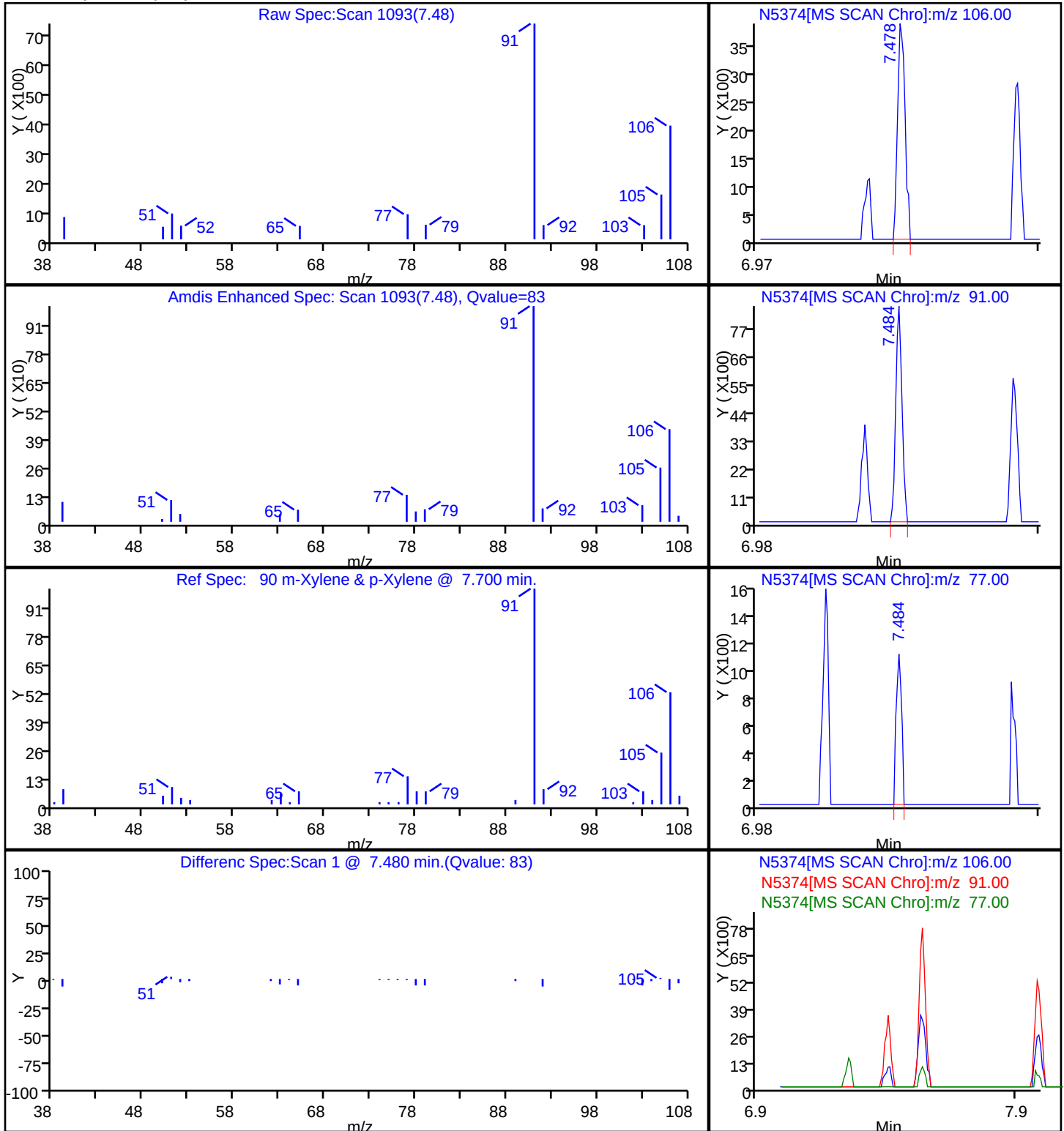
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5374.D

Injection Date: 06-Apr-2013 18:39:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 41

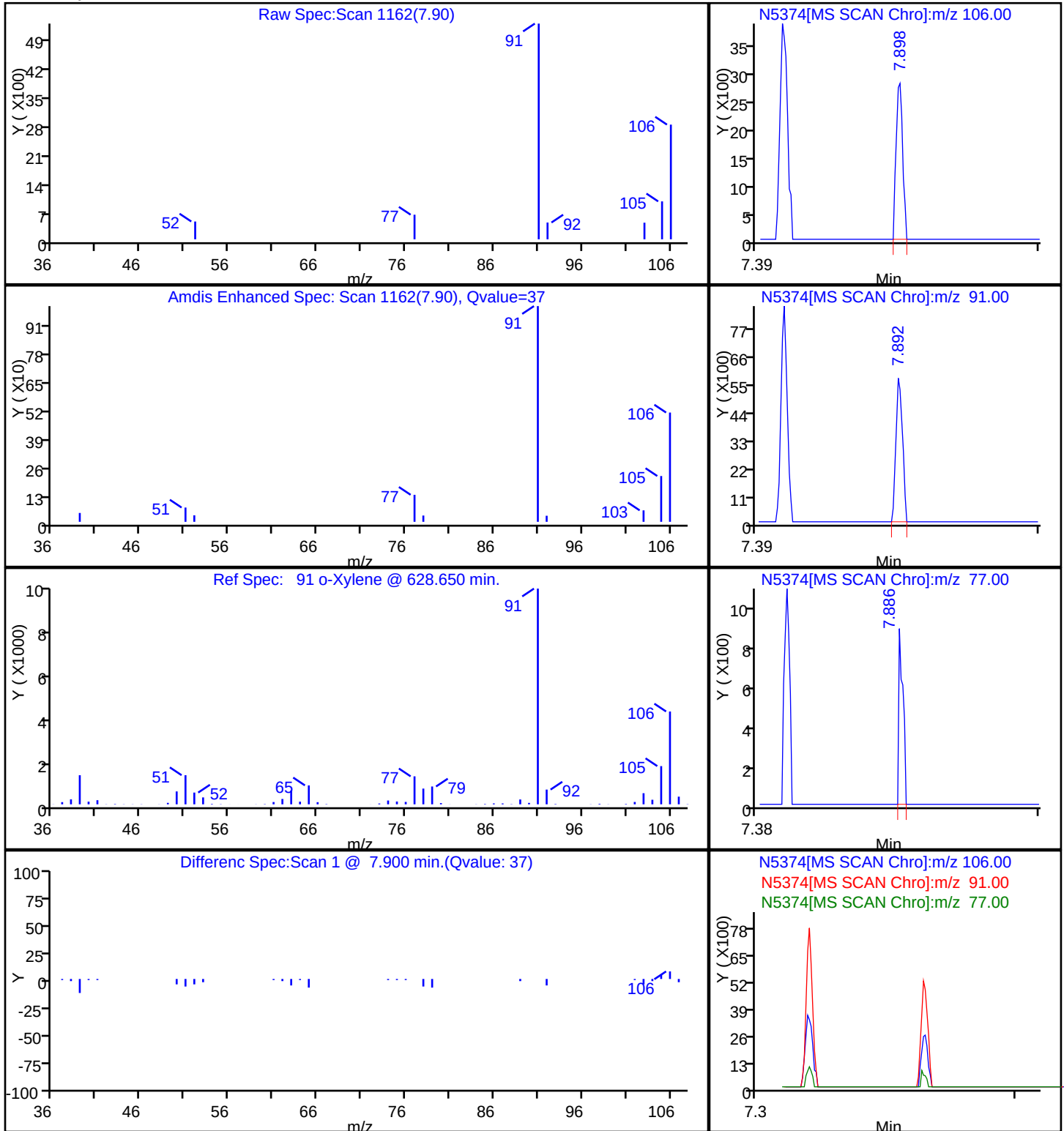
Operator ID: TF

Purge Vol: 5.000 mL

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.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-15D Lab Sample ID: 480-35528-15

Matrix: Ground Water Lab File ID: N5375.D

Analysis Method: 8260B Date Collected: 04/03/2013 15:00

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 19:02

Soil Aliquot Vol: _____ Dilution Factor: 8

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

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

Analysis Batch No.: 111319 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		8.0	6.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		8.0	1.7
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5
79-00-5	1,1,2-Trichloroethane	ND		8.0	1.8
75-34-3	1,1-Dichloroethane	16		8.0	3.0
75-35-4	1,1-Dichloroethene	ND		8.0	2.3
120-82-1	1,2,4-Trichlorobenzene	ND		8.0	3.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND		8.0	3.1
106-93-4	1,2-Dibromoethane	ND		8.0	5.8
95-50-1	1,2-Dichlorobenzene	ND		8.0	6.3
107-06-2	1,2-Dichloroethane	ND		8.0	1.7
78-87-5	1,2-Dichloropropane	ND		8.0	5.8
541-73-1	1,3-Dichlorobenzene	ND		8.0	6.2
106-46-7	1,4-Dichlorobenzene	ND		8.0	6.7
78-93-3	2-Butanone (MEK)	ND		80	11
591-78-6	2-Hexanone	ND		40	9.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		40	17
67-64-1	Acetone	ND		80	24
71-43-2	Benzene	ND		8.0	3.3
75-27-4	Bromodichloromethane	ND		8.0	3.1
75-25-2	Bromoform	ND		8.0	2.1
74-83-9	Bromomethane	ND		8.0	5.5
75-15-0	Carbon disulfide	ND		8.0	1.5
56-23-5	Carbon tetrachloride	ND		8.0	2.2
108-90-7	Chlorobenzene	ND		8.0	6.0
75-00-3	Chloroethane	1400	E	8.0	2.6
67-66-3	Chloroform	ND		8.0	2.7
74-87-3	Chloromethane	ND		8.0	2.8
156-59-2	cis-1,2-Dichloroethene	ND		8.0	6.5
10061-01-5	cis-1,3-Dichloropropene	ND		8.0	2.9
110-82-7	Cyclohexane	ND		8.0	1.4
124-48-1	Dibromochloromethane	ND		8.0	2.6
75-71-8	Dichlorodifluoromethane	ND		8.0	5.4
100-41-4	Ethylbenzene	ND		8.0	5.9
98-82-8	Isopropylbenzene	ND		8.0	6.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1
 SDG No.: _____
 Client Sample ID: MW-15D Lab Sample ID: 480-35528-15
 Matrix: Ground Water Lab File ID: N5375.D
 Analysis Method: 8260B Date Collected: 04/03/2013 15:00
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 19:02
 Soil Aliquot Vol: _____ Dilution Factor: 8
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 111319 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		8.0	4.0
1634-04-4	Methyl tert-butyl ether	ND		8.0	1.3
108-87-2	Methylcyclohexane	ND		8.0	1.3
75-09-2	Methylene Chloride	4.1	J	8.0	3.5
100-42-5	Styrene	ND		8.0	5.8
127-18-4	Tetrachloroethene	ND		8.0	2.9
108-88-3	Toluene	ND		8.0	4.1
156-60-5	trans-1,2-Dichloroethene	ND		8.0	7.2
10061-02-6	trans-1,3-Dichloropropene	ND		8.0	3.0
79-01-6	Trichloroethene	ND		8.0	3.7
75-69-4	Trichlorofluoromethane	ND		8.0	7.0
75-01-4	Vinyl chloride	240		8.0	7.2
1330-20-7	Xylenes, Total	ND		16	5.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	98		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5375.D
 Lims ID: 480-35528-A-15 Client ID: MW-15D
 Inject. Date: 06-Apr-2013 19:02:30 Dil. Factor: 8.0000
 Sample Type: Client
 Sample ID: 480-35528-A-15
 Misc. Info.: 480-0020332-042
 Operator: TF Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 17
 Lims Batch ID: 111319 Lims Sample ID: 42
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
 Last Update: 08-Apr-2013 13:24:45 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 13:25:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.436	4.437	-0.001	91	312529	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	274435	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	146082	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	86	114410	26.0	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	83	355353	24.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	88	113680	22.7	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62	1.060	1.066	-0.006	99	115321	29.8	
15 Bromomethane	94		1.243					
16 Chloroethane	64	1.316	1.310	0.006	99	469800	170.1	E
18 Trichlorofluoromethane	101		1.444					
22 1,1-Dichloroethene	96		1.803					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43		1.900					
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84	2.228	2.228	0.0	55	2414	0.5168	
33 trans-1,2-Dichloroethene	96		2.429					9
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63	2.806	2.800	0.006	53	15948	2.05	
43 cis-1,2-Dichloroethene	96		3.317					9
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
52 Cyclohexane	56		3.713					
51 1,1,1-Trichloroethane	97		3.713					
53 Carbon tetrachloride	117		3.841					
55 Benzene	78		4.041					9
57 1,2-Dichloroethane	62		4.108					
60 Trichloroethene	95		4.644					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.759					
63 1,2-Dichloropropane	63		4.863					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.733					9
73 Toluene	92		5.842					9
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					
90 m-Xylene & p-Xylene	106		7.485					
91 o-Xylene	106		7.892					
92 Styrene	104		7.923					
93 Bromoform	173		8.142					
95 Isopropylbenzene	105		8.282					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.561					
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5375.D

Injection Date: 06-Apr-2013 19:02:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 42

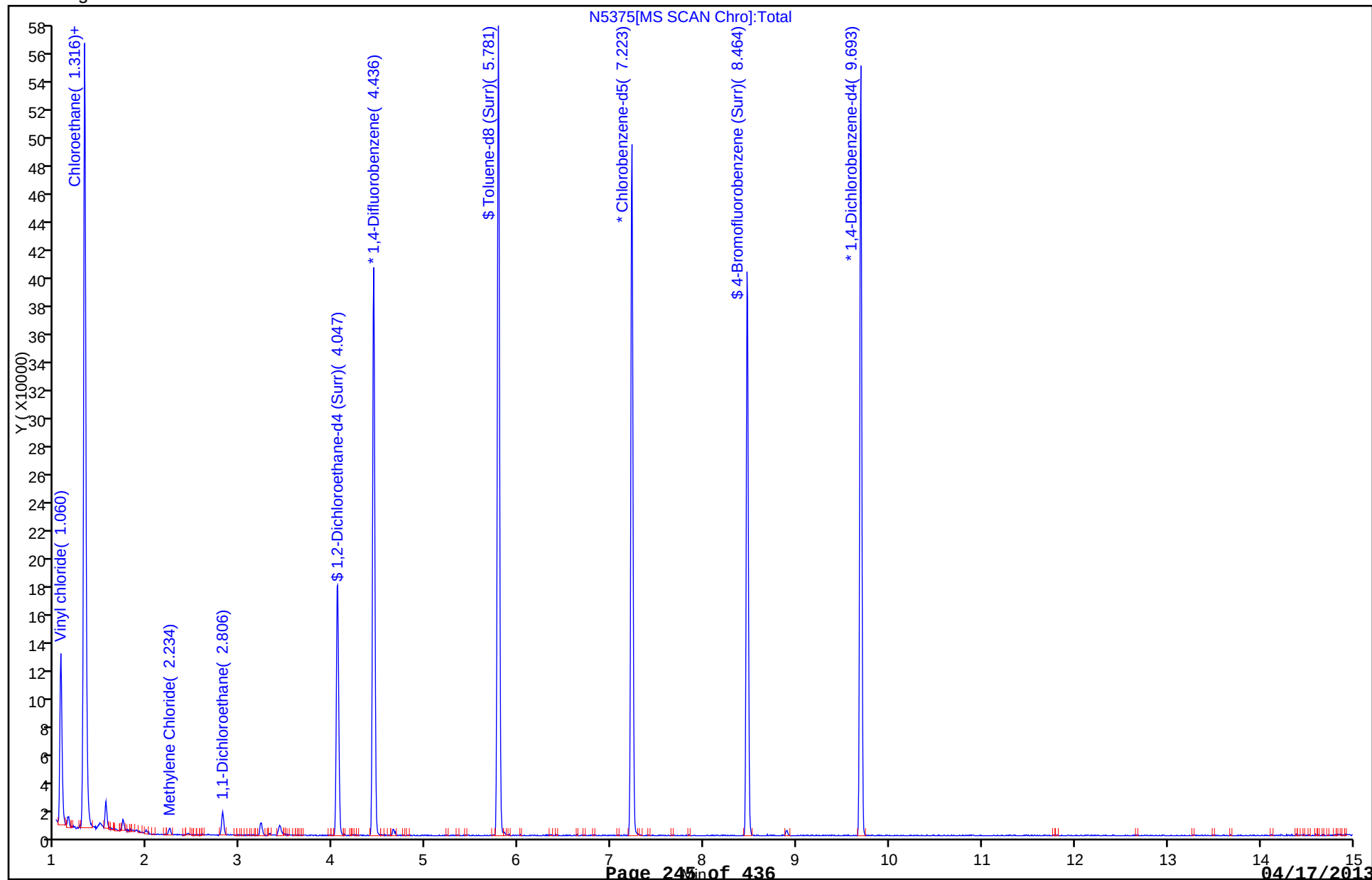
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5375.D

Injection Date: 06-Apr-2013 19:02:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 42

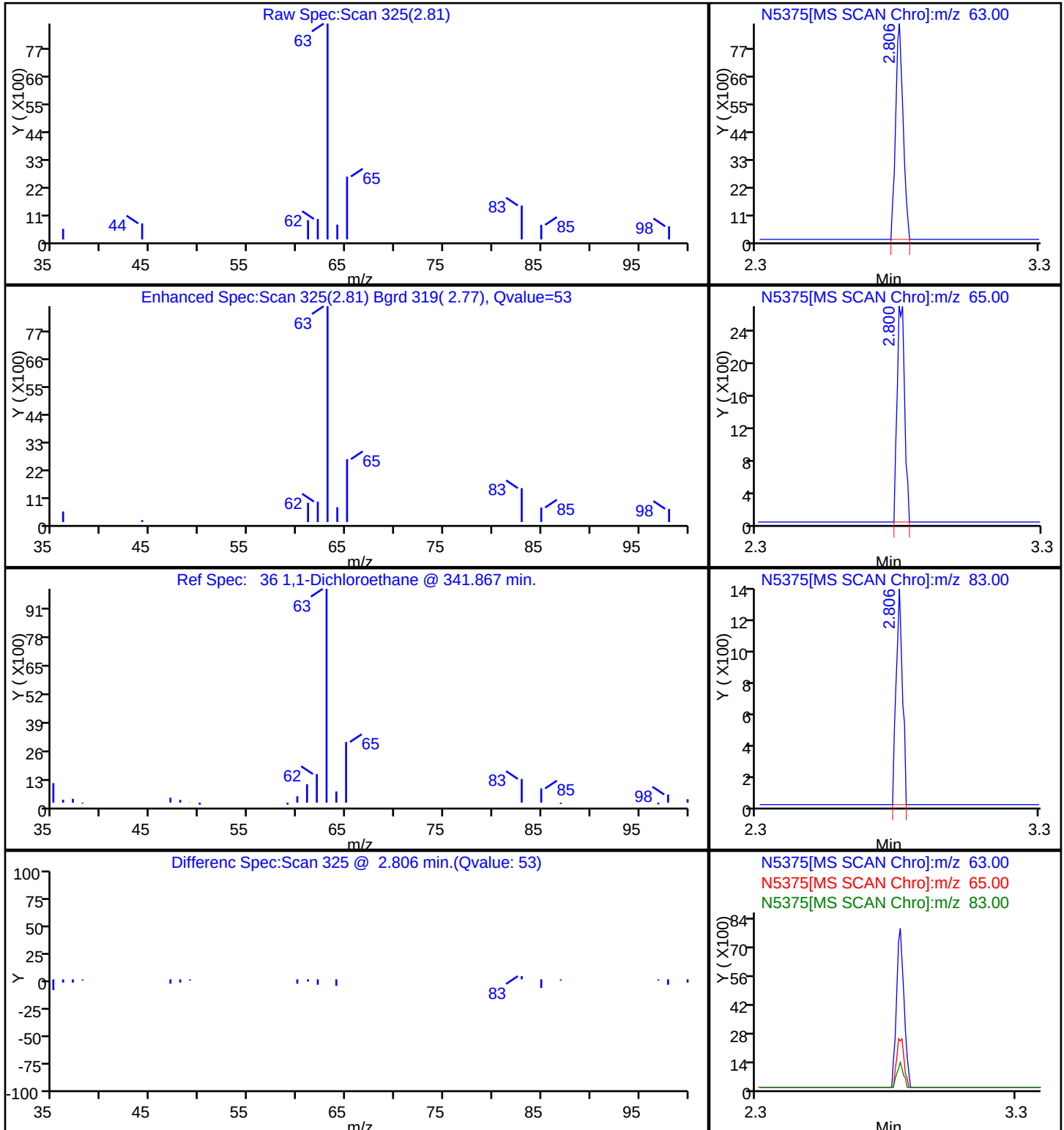
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

36 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5375.D

Injection Date: 06-Apr-2013 19:02:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 42

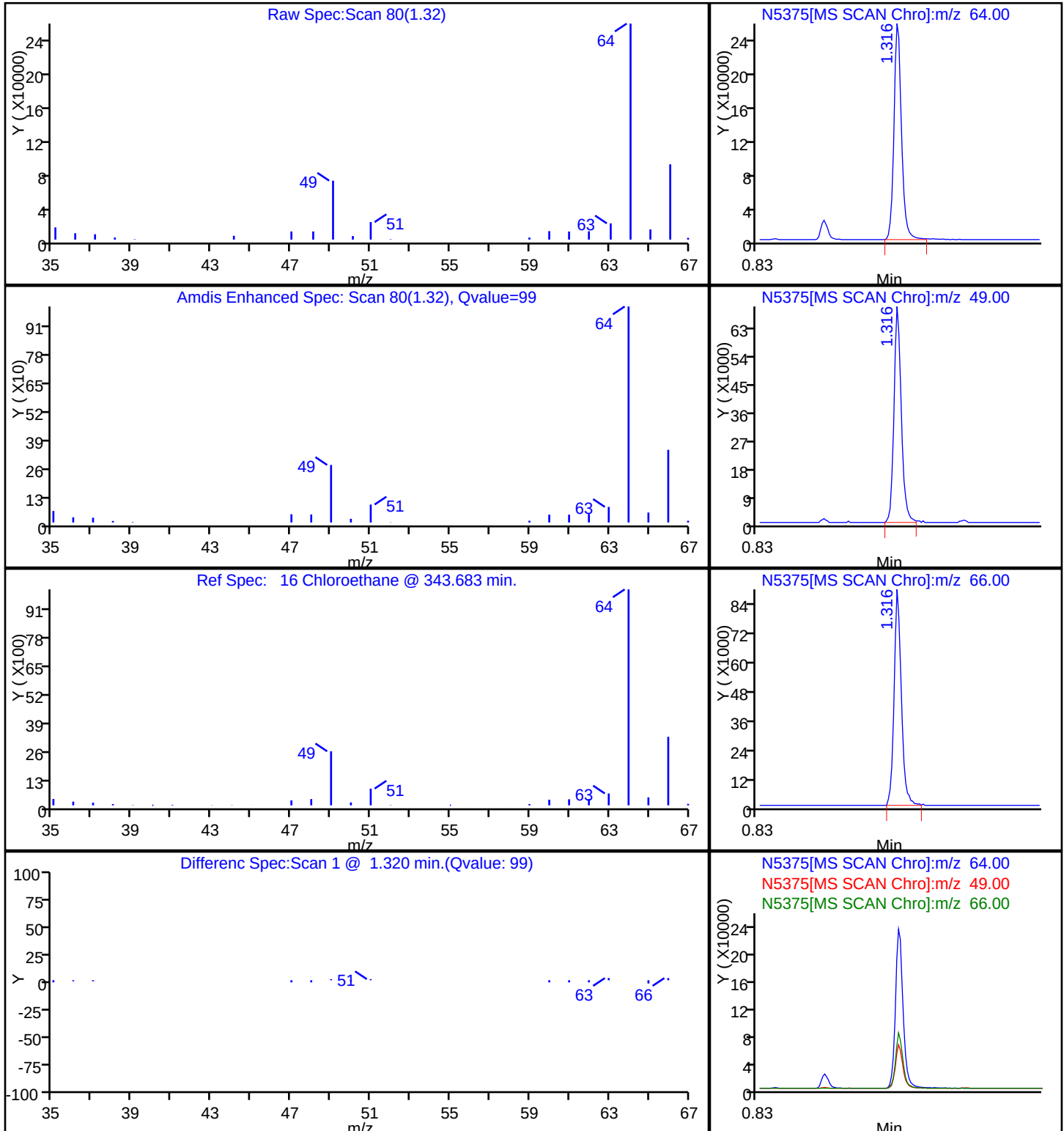
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

16 Chloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5375.D

Injection Date: 06-Apr-2013 19:02:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 42

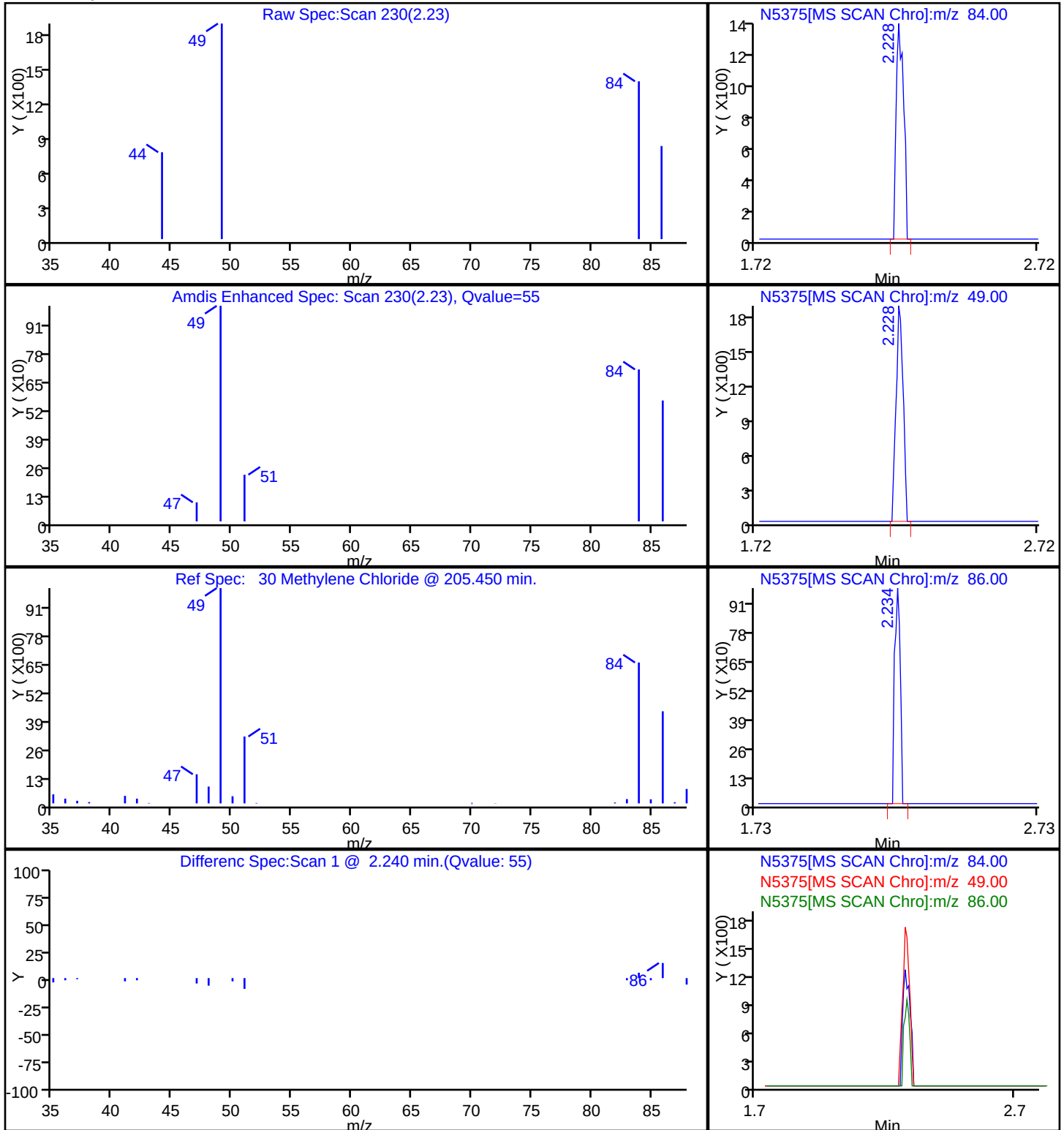
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

30 Methylene Chloride



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5375.D

Injection Date: 06-Apr-2013 19:02:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 42

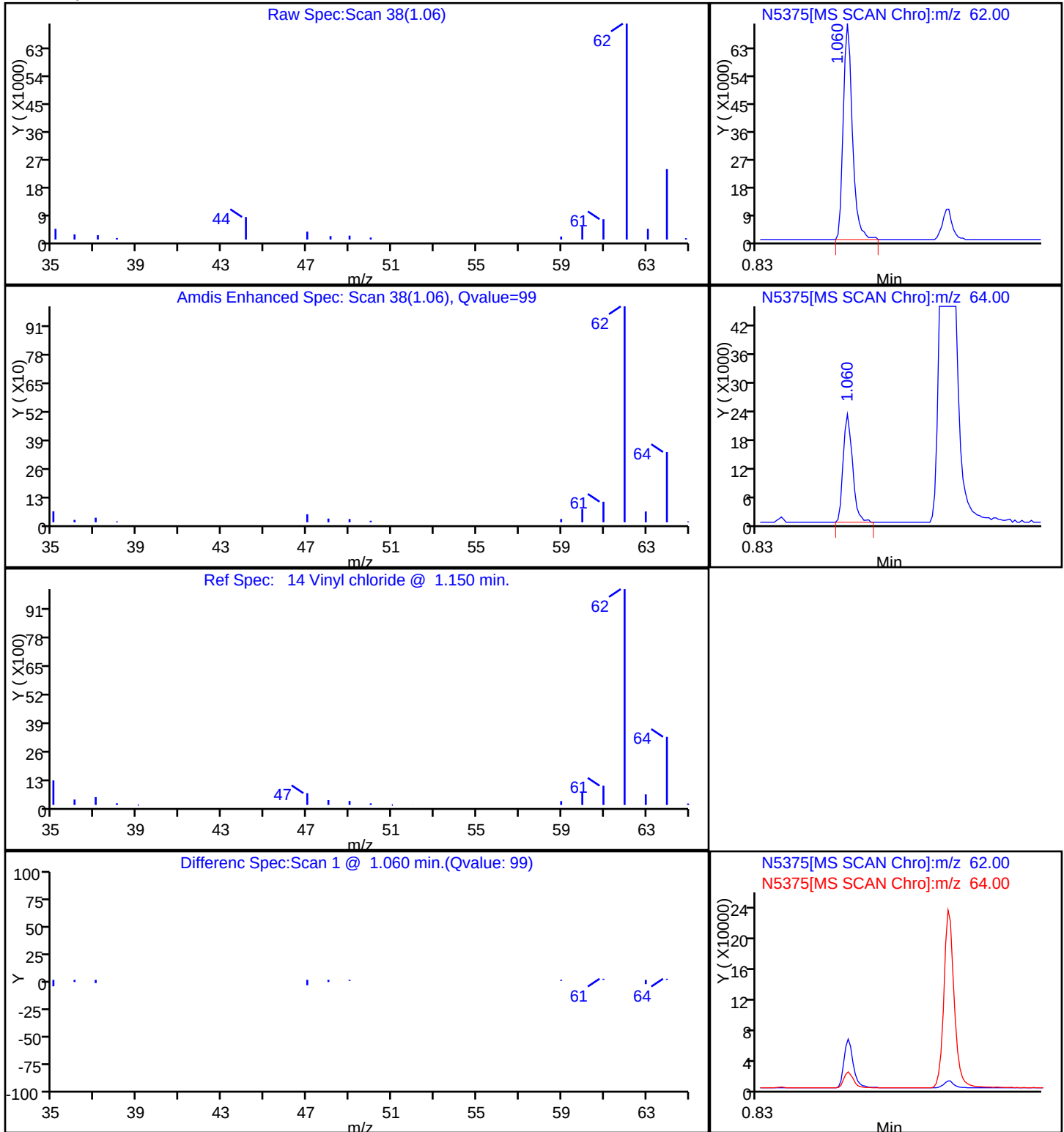
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

14 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-15D DL Lab Sample ID: 480-35528-15 DL

Matrix: Ground Water Lab File ID: N5403.D

Analysis Method: 8260B Date Collected: 04/03/2013 15:00

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 17:11

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.: 111445 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	19	J	20	7.6
75-35-4	1,1-Dichloroethene	ND		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)	ND		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	ND		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	1900		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	ND		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.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-15D DL Lab Sample ID: 480-35528-15 DL

Matrix: Ground Water Lab File ID: N5403.D

Analysis Method: 8260B Date Collected: 04/03/2013 15:00

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 17:11

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.: 111445 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	ND		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	ND		20	9.2
75-69-4	Trichlorofluoromethane	ND		20	18
75-01-4	Vinyl chloride	250		20	18
1330-20-7	Xylenes, Total	ND		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		66-137
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
2037-26-5	Toluene-d8 (Surr)	101		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5403.D
 Lims ID: 480-35528-B-15 Client ID: MW-15D
 Inject. Date: 08-Apr-2013 17:11:30 Dil. Factor: 20.0000
 Sample Type: Client
 Sample ID: 480-35528-B-15
 Misc. Info.: 480-0020354-021
 Operator: LH/NQ Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 45
 Lims Batch ID: 111445 Lims Sample ID: 21
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N-8260.m
 Last Update: 08-Apr-2013 18:28:43 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK002

First Level Reviewer: larsonr

Date: 08-Apr-2013 18:29:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.431	0.006	91	308886	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	253602	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	140348	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	88	113488	26.1	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	337042	25.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	86	106128	23.0	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62	1.060	1.066	-0.006	95	48504	12.7	
15 Bromomethane	94		1.249					
16 Chloroethane	64	1.316	1.310	0.006	99	206313	97.3	
18 Trichlorofluoromethane	101		1.443					
22 1,1-Dichloroethene	96		1.802					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43		1.906					
25 Carbon disulfide	76		1.954					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84	2.228	2.228	0.0	45	1949	0.4221	
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63	2.800	2.800	0.0	7	7147	0.9301	
43 cis-1,2-Dichloroethene	96		3.317					
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.846					
55 Benzene	78		4.047					9
57 1,2-Dichloroethane	62		4.108					
60 Trichloroethene	95		4.643					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.753					
63 1,2-Dichloropropane	63		4.862					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732				9	
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.929					
93 Bromoform	173		8.148					
95 Isopropylbenzene	105		8.281					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.620					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.560					
S 126 Xylenes, Total	1		30.000				7	

QC Flag Legend

Processing Flags

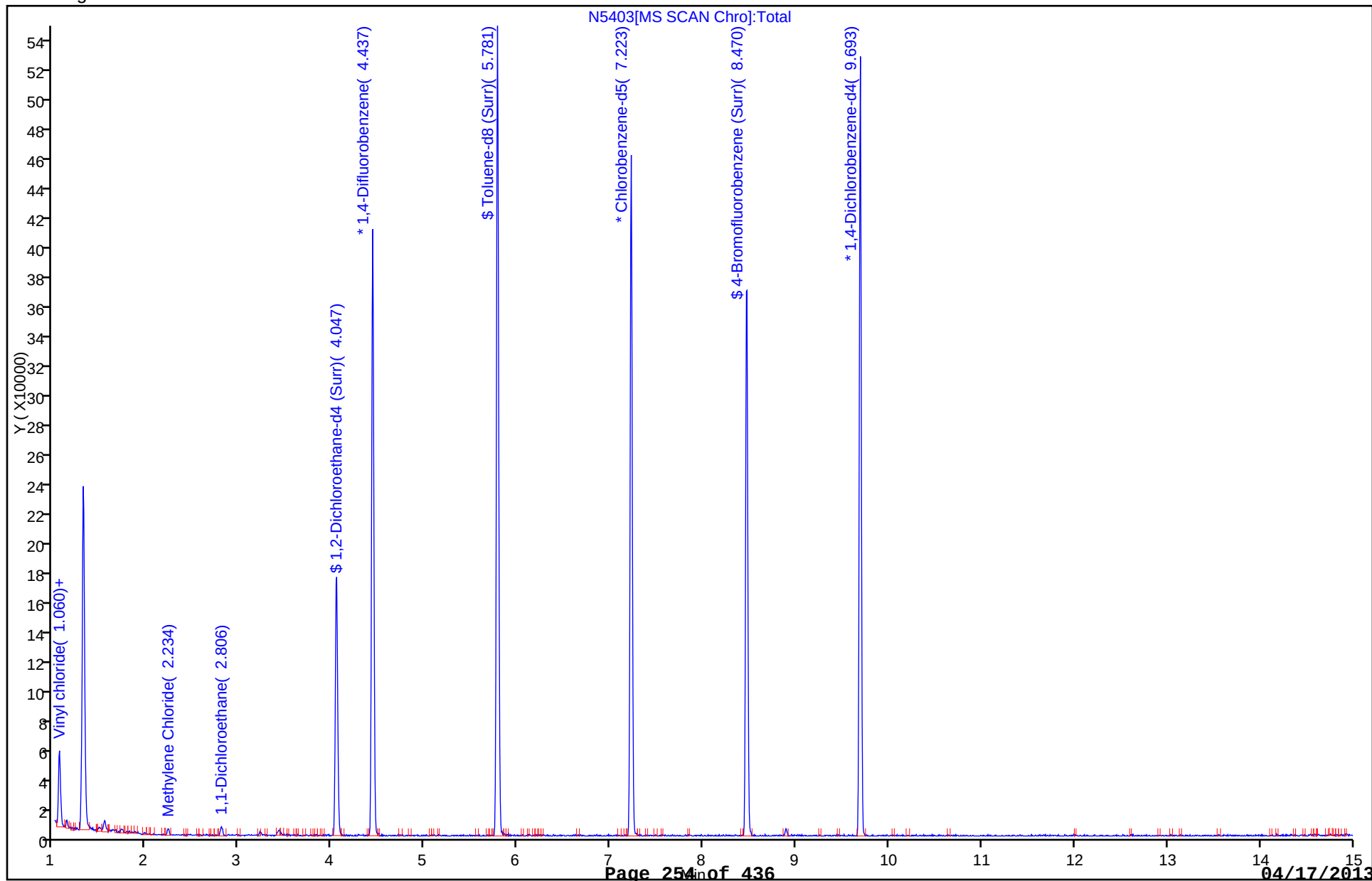
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5403.D
Injection Date: 08-Apr-2013 17:11:30 Limit Group: MV - 8260B ICAL
Client ID: MW-15D Instrument ID: HP5973N
Lims Batch ID: 111445 Lims Sample ID: 21
Operator ID: LH/NQ Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5403.D

Injection Date: 08-Apr-2013 17:11:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15D

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 21

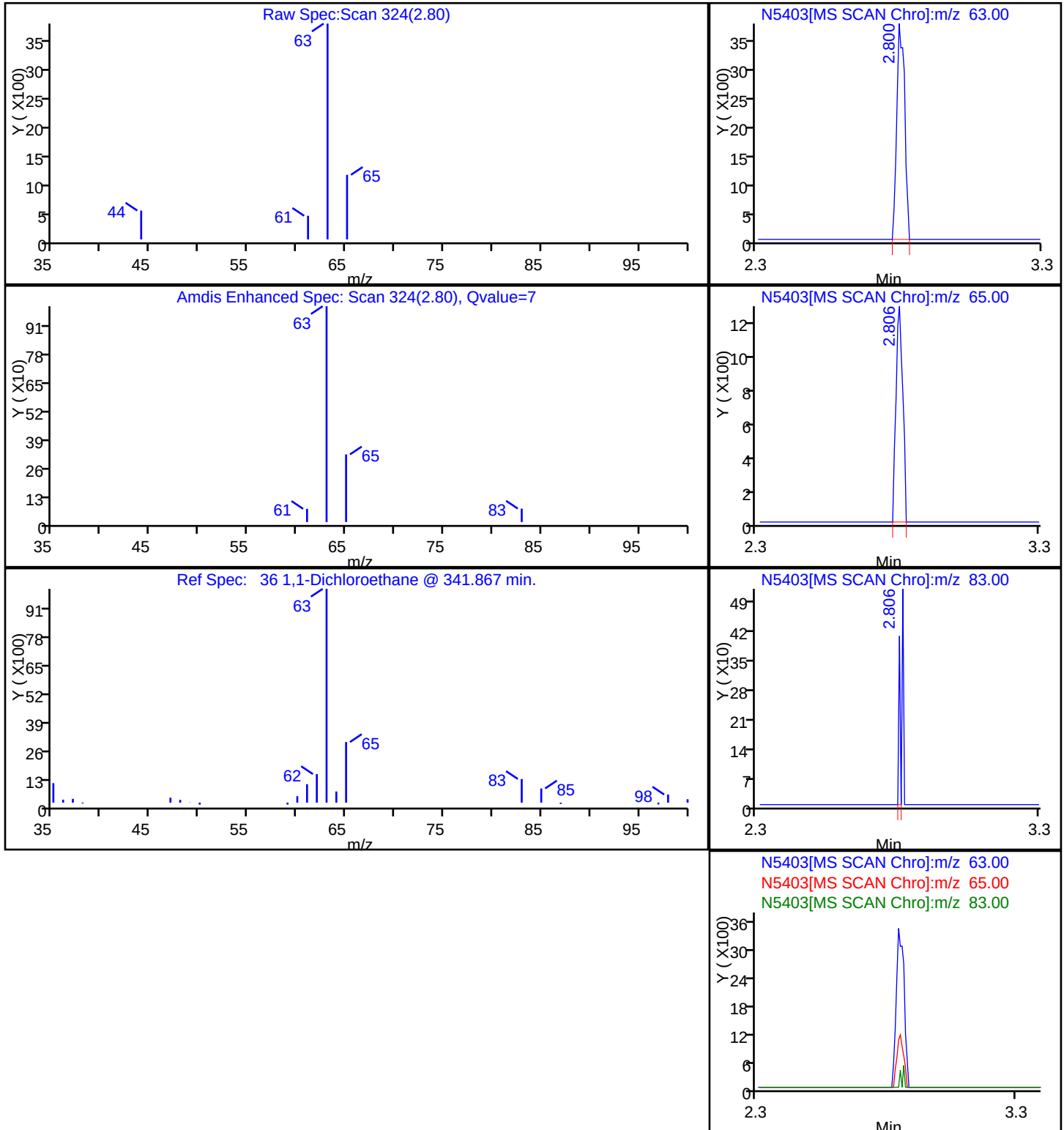
Operator ID: LH/NQ

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

36 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5403.D

Injection Date: 08-Apr-2013 17:11:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15D

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 21

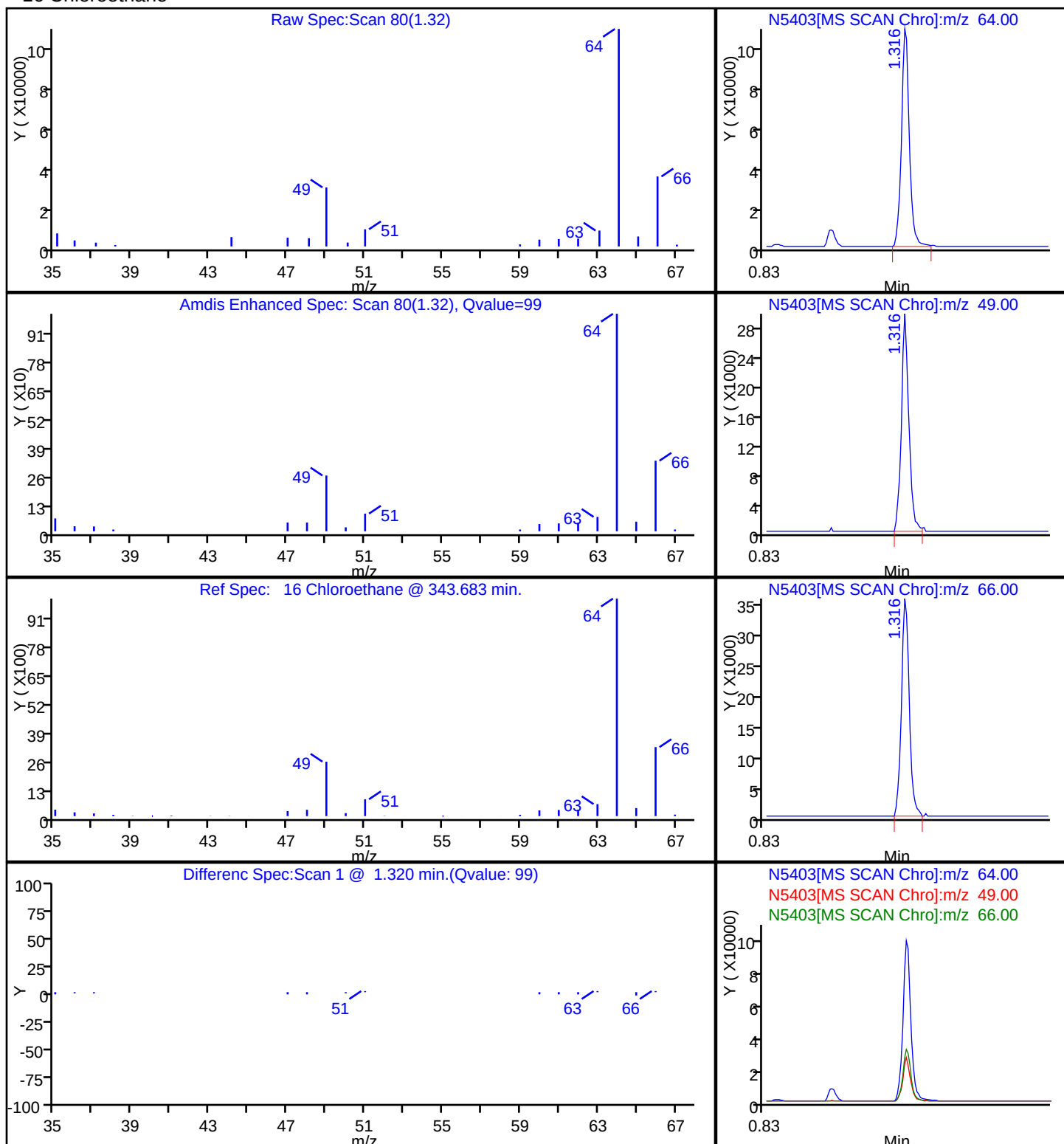
Operator ID: LH/NQ

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

16 Chloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5403.D

Injection Date: 08-Apr-2013 17:11:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15D

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 21

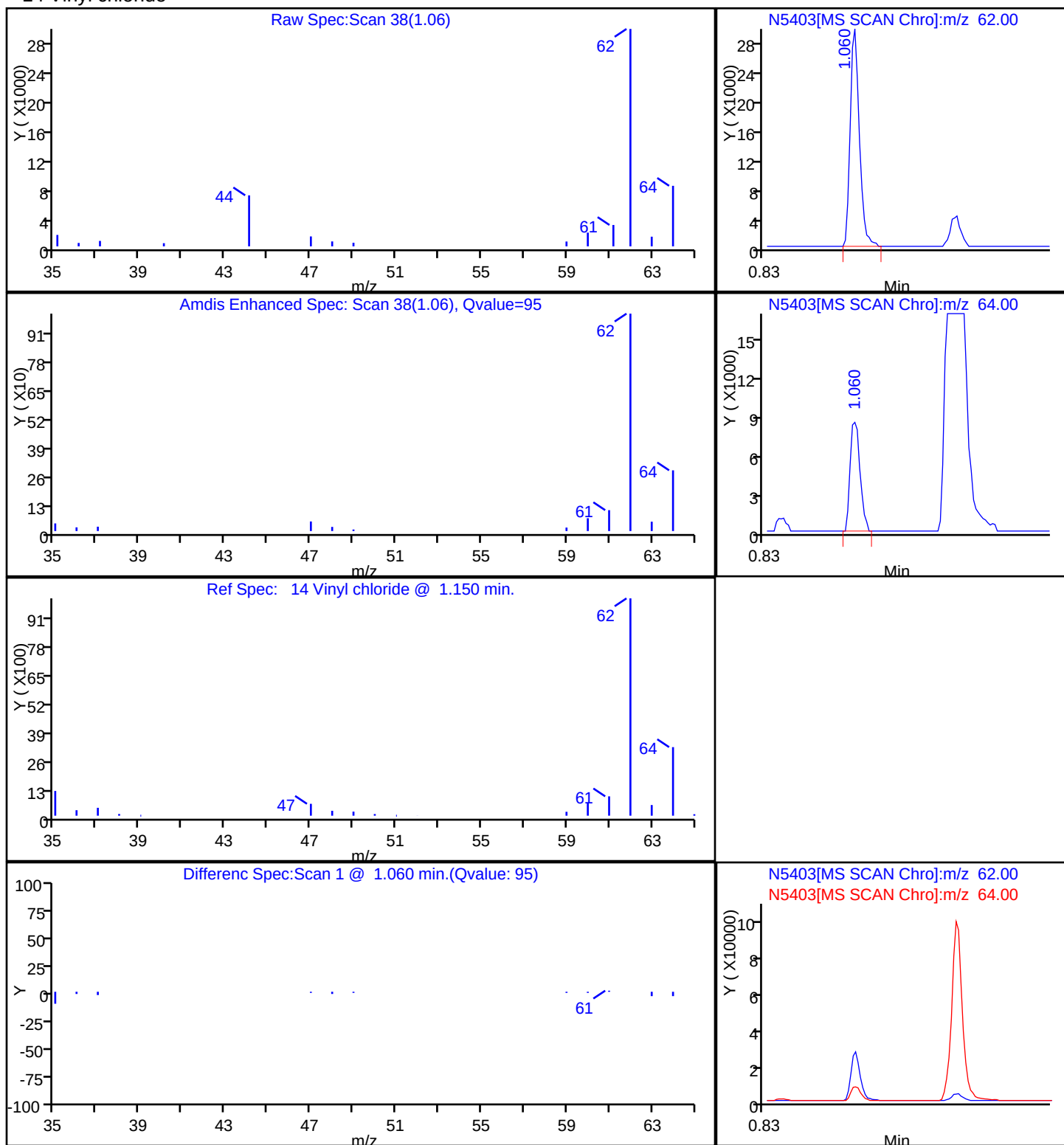
Operator ID: LH/NQ

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

14 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-16S Lab Sample ID: 480-35528-16

Matrix: Ground Water Lab File ID: N5376.D

Analysis Method: 8260B Date Collected: 04/03/2013 10:20

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 19:26

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.: 111319 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		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	1500	J	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	82000		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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: MW-16S Lab Sample ID: 480-35528-16
 Matrix: Ground Water Lab File ID: N5376.D
 Analysis Method: 8260B Date Collected: 04/03/2013 10:20
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 19:26
 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.: 111319 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	3100	J	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	230000		4000	1800
75-69-4	Trichlorofluoromethane	ND		4000	3500
75-01-4	Vinyl chloride	7300		4000	3600
1330-20-7	Xylenes, Total	ND		8000	2600

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	97		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5376.D
 Lims ID: 480-35528-A-16 Client ID: MW-16S
 Inject. Date: 06-Apr-2013 19:26:30 Dil. Factor: 4000.0000
 Sample Type: Client
 Sample ID: 480-35528-A-16
 Misc. Info.: 480-0020332-043
 Operator: TF Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 18
 Lims Batch ID: 111319 Lims Sample ID: 43
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
 Last Update: 08-Apr-2013 13:24:45 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 13:25:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	307932	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	268512	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	148691	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	89	113786	26.2	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	83	344719	24.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	111162	22.7	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62	1.060	1.066	-0.006	46	6986	1.83	
15 Bromomethane	94		1.243					
16 Chloroethane	64		1.310					
18 Trichlorofluoromethane	101		1.444					
22 1,1-Dichloroethene	96		1.803					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43		1.900					
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84	2.228	2.228	0.0	55	3622	0.7869	
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63	2.806	2.800	0.006	1	2874	0.3752	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	80	91171	20.4	
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
52 Cyclohexane	56		3.713					
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	11	3970	0.6892	
53 Carbon tetrachloride	117		3.841					
55 Benzene	78		4.041					
57 1,2-Dichloroethane	62		4.108					
60 Trichloroethene	95	4.643	4.644	-0.001	94	241081	58.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.759					9
63 1,2-Dichloropropane	63		4.863					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.733					9
73 Toluene	92		5.842					9
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					
90 m-Xylene & p-Xylene	106		7.485					
91 o-Xylene	106		7.892					
92 Styrene	104		7.923					
93 Bromoform	173		8.142					
95 Isopropylbenzene	105		8.282					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.561					
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5376.D

Injection Date: 06-Apr-2013 19:26:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 43

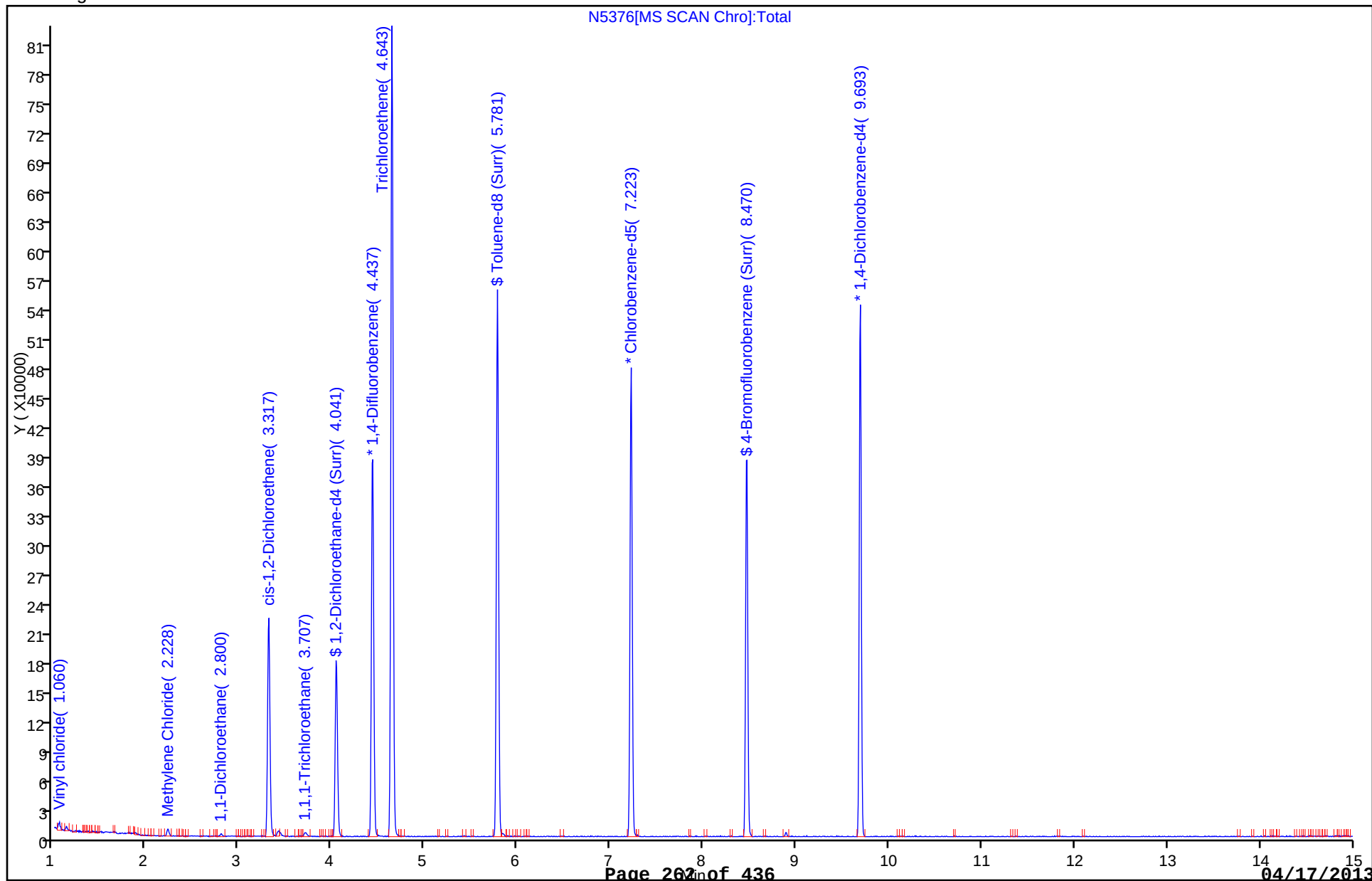
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5376.D

Injection Date: 06-Apr-2013 19:26:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 43

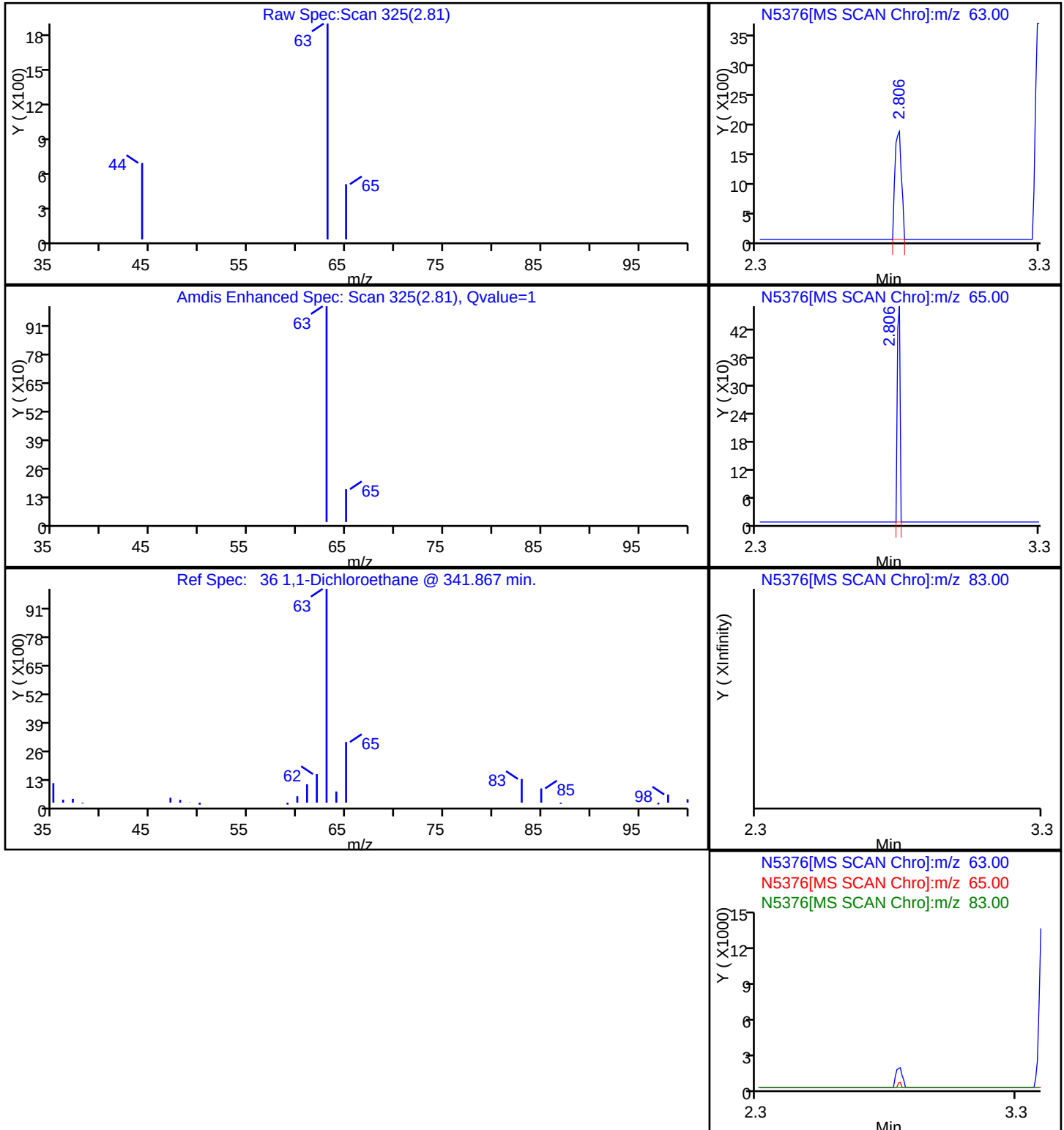
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

36 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5376.D

Injection Date: 06-Apr-2013 19:26:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 43

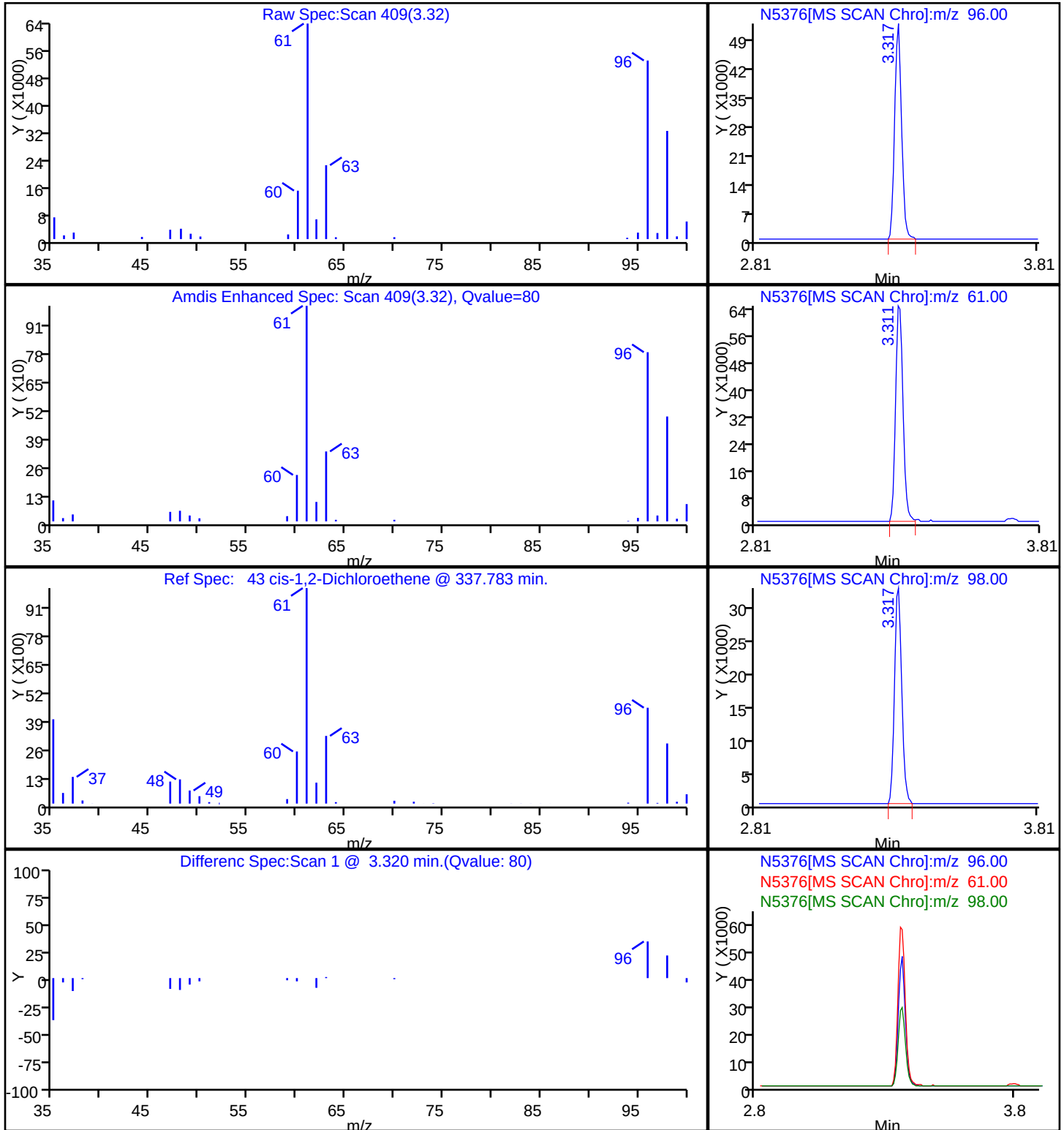
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5376.D

Injection Date: 06-Apr-2013 19:26:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 43

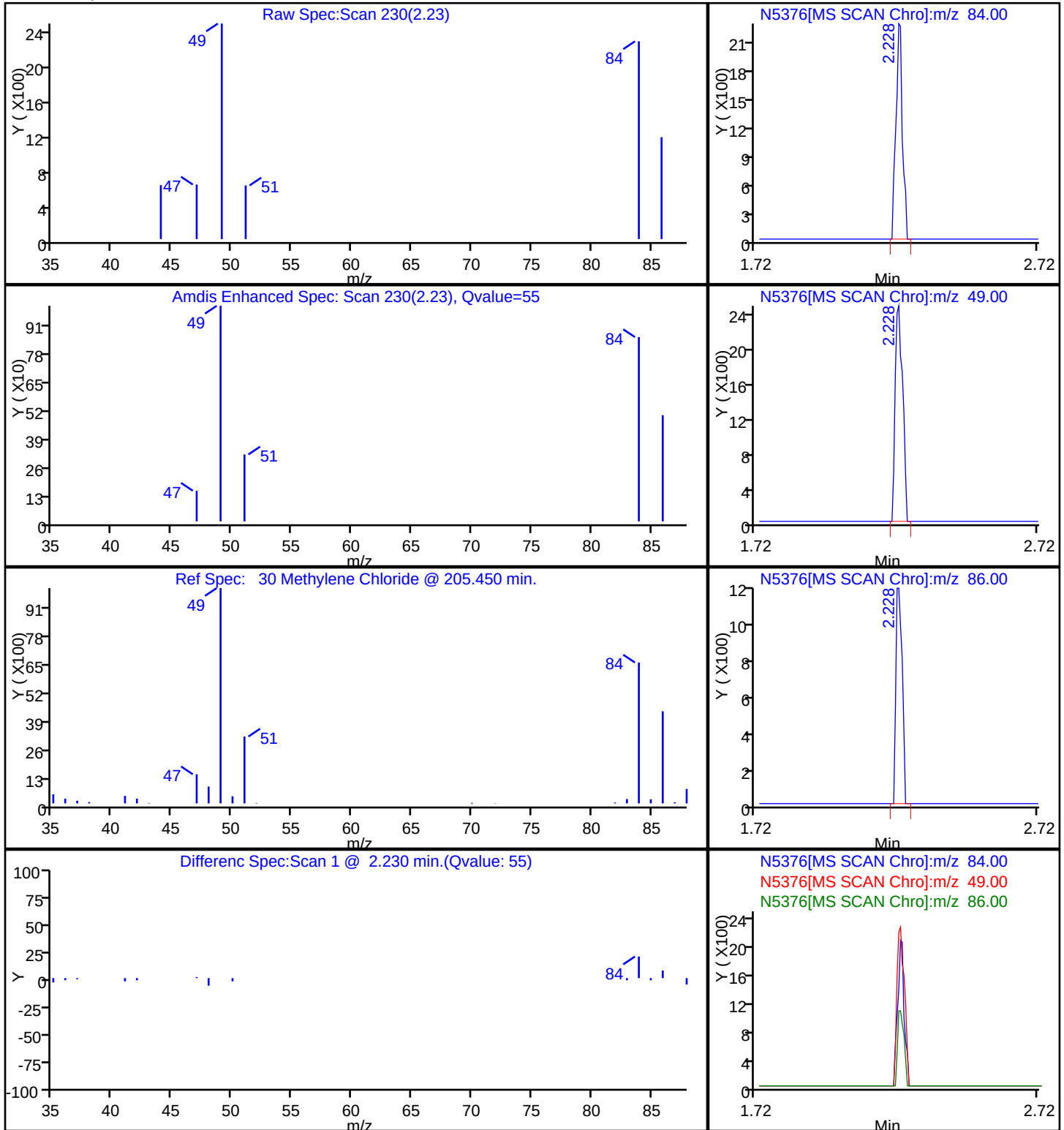
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

30 Methylene Chloride



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5376.D

Injection Date: 06-Apr-2013 19:26:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 43

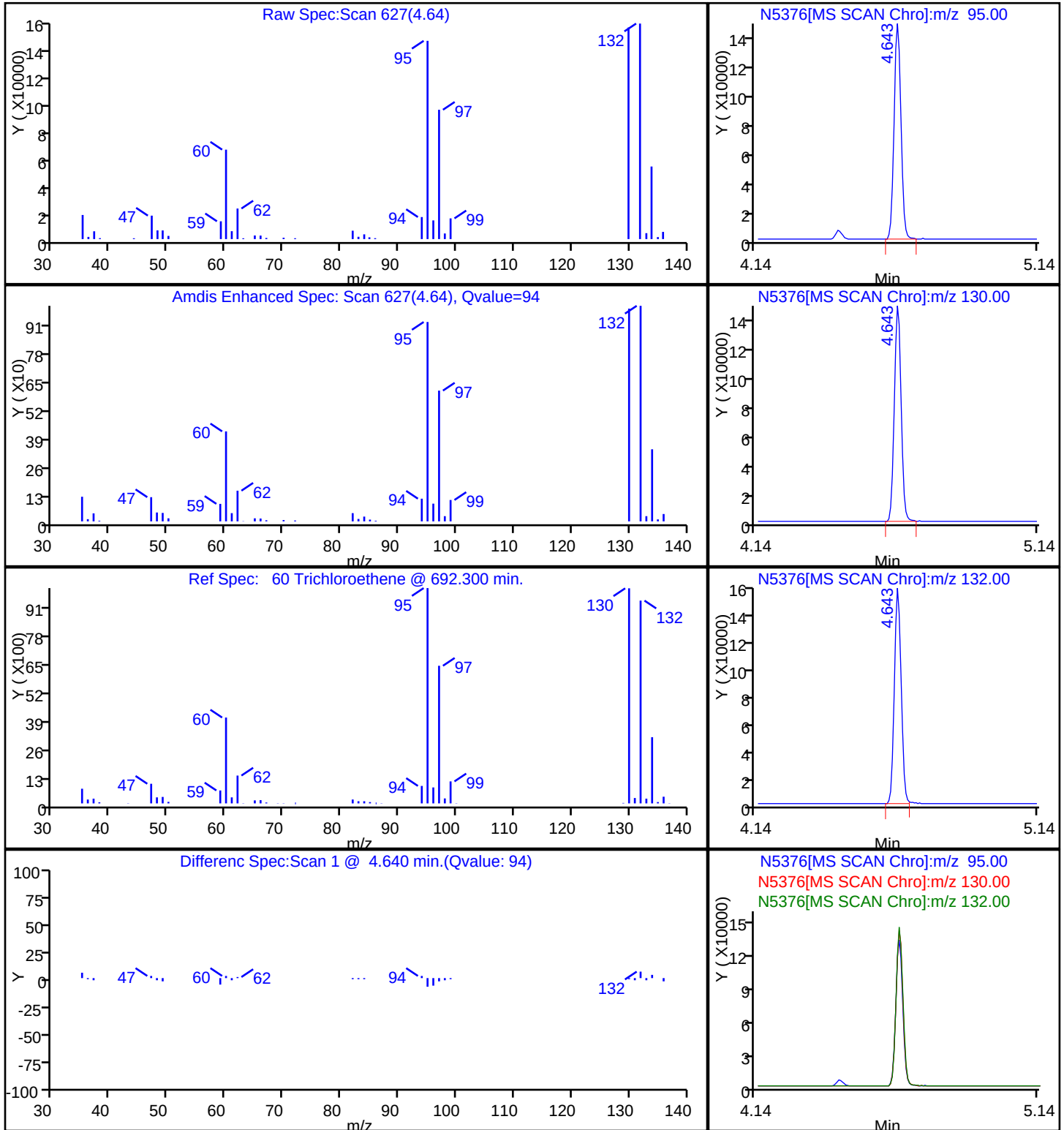
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

60 Trichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5376.D

Injection Date: 06-Apr-2013 19:26:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16S

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 43

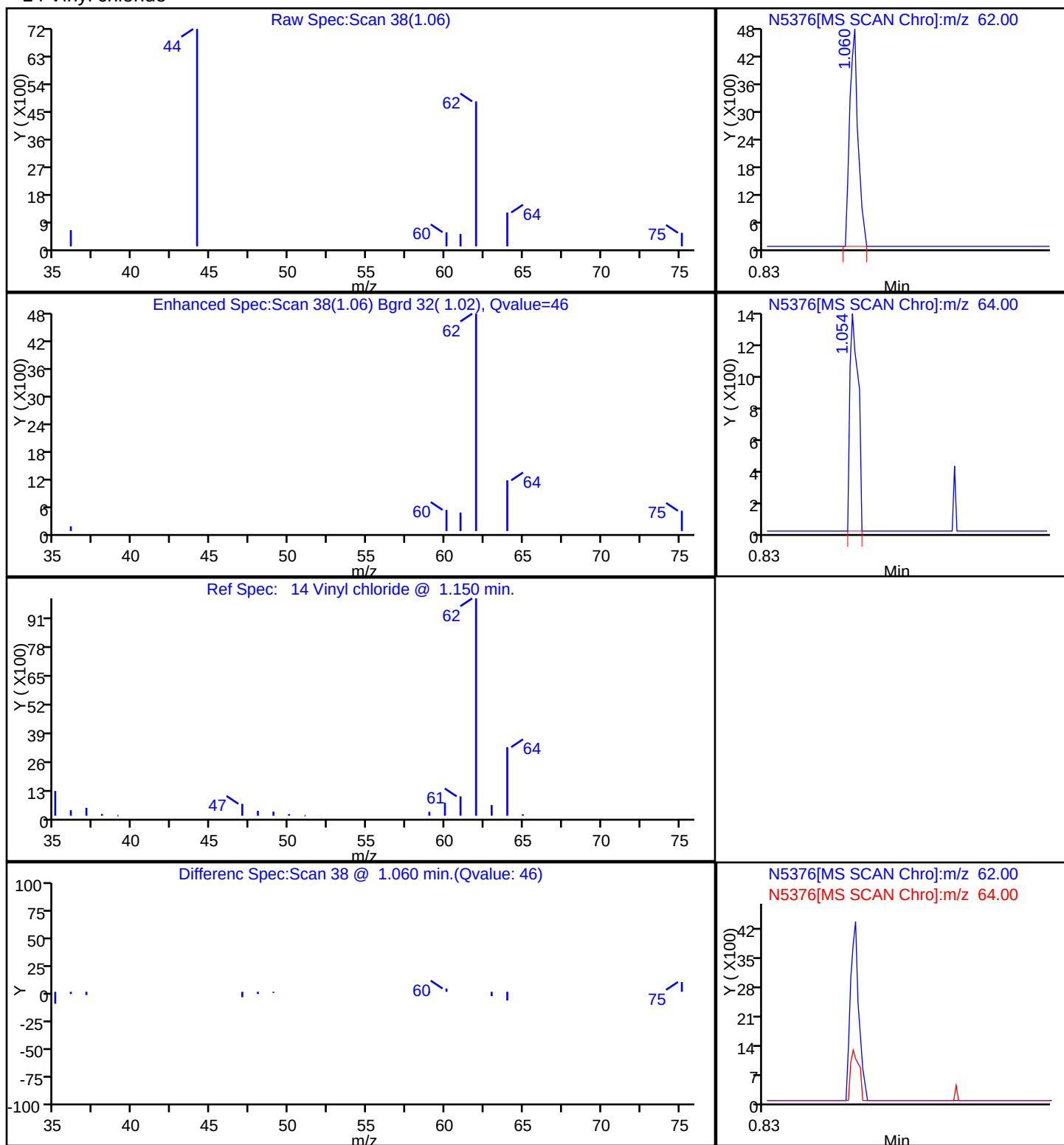
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

14 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-16D Lab Sample ID: 480-35528-17

Matrix: Ground Water Lab File ID: N5377.D

Analysis Method: 8260B Date Collected: 04/03/2013 11:00

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 19:50

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.: 111319 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	0.23	J	1.0	0.23
75-34-3	1,1-Dichloroethane	200	E	1.0	0.38
75-35-4	1,1-Dichloroethene	9.4		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)	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	140	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	920	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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: MW-16D Lab Sample ID: 480-35528-17
 Matrix: Ground Water Lab File ID: N5377.D
 Analysis Method: 8260B Date Collected: 04/03/2013 11:00
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 19:50
 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.: 111319 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	17		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	57		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	720	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)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	88		73-120
2037-26-5	Toluene-d8 (Surr)	97		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5377.D
 Lims ID: 480-35528-A-17 Client ID: MW-16D
 Inject. Date: 06-Apr-2013 19:50:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-35528-A-17
 Misc. Info.: 480-0020332-044
 Operator: TF Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 19
 Lims Batch ID: 111319 Lims Sample ID: 44
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
 Last Update: 08-Apr-2013 13:28:57 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 13:28:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	321091	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	278988	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	95	148159	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	88	118646	26.2	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	358323	24.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	111530	21.9	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					9
14 Vinyl chloride	62	1.079	1.066	0.013	96	2872906	722.9	E
15 Bromomethane	94		1.243					
16 Chloroethane	64	1.316	1.310	0.006	99	365888	141.4	E
18 Trichlorofluoromethane	101		1.444					
22 1,1-Dichloroethene	96	1.809	1.803	0.006	91	29067	9.42	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		1.821					
23 Acetone	43		1.900					
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84	2.228	2.228	0.0	43	2690	0.5605	
33 trans-1,2-Dichloroethene	96	2.435	2.429	0.006	98	73200	17.0	
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63	2.806	2.800	0.006	96	1617813	202.5	E
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	63	4263247	917.0	E
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
52 Cyclohexane	56		3.713					
51 1,1,1-Trichloroethane	97	3.719	3.713	0.006	18	3287	0.5473	
53 Carbon tetrachloride	117		3.841					
55 Benzene	78		4.041					9
57 1,2-Dichloroethane	62	4.114	4.108	0.006	58	7500	1.30	
60 Trichloroethene	95	4.644	4.644	0.0	95	245280	57.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.759					9
63 1,2-Dichloropropane	63		4.863					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.733					9
73 Toluene	92	5.848	5.842	0.006	33	2285	0.2082	
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	1	719	0.2326	
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					
90 m-Xylene & p-Xylene	106		7.485					
91 o-Xylene	106		7.892					
92 Styrene	104		7.923					
93 Bromoform	173		8.142					
95 Isopropylbenzene	105		8.282					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.561					
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

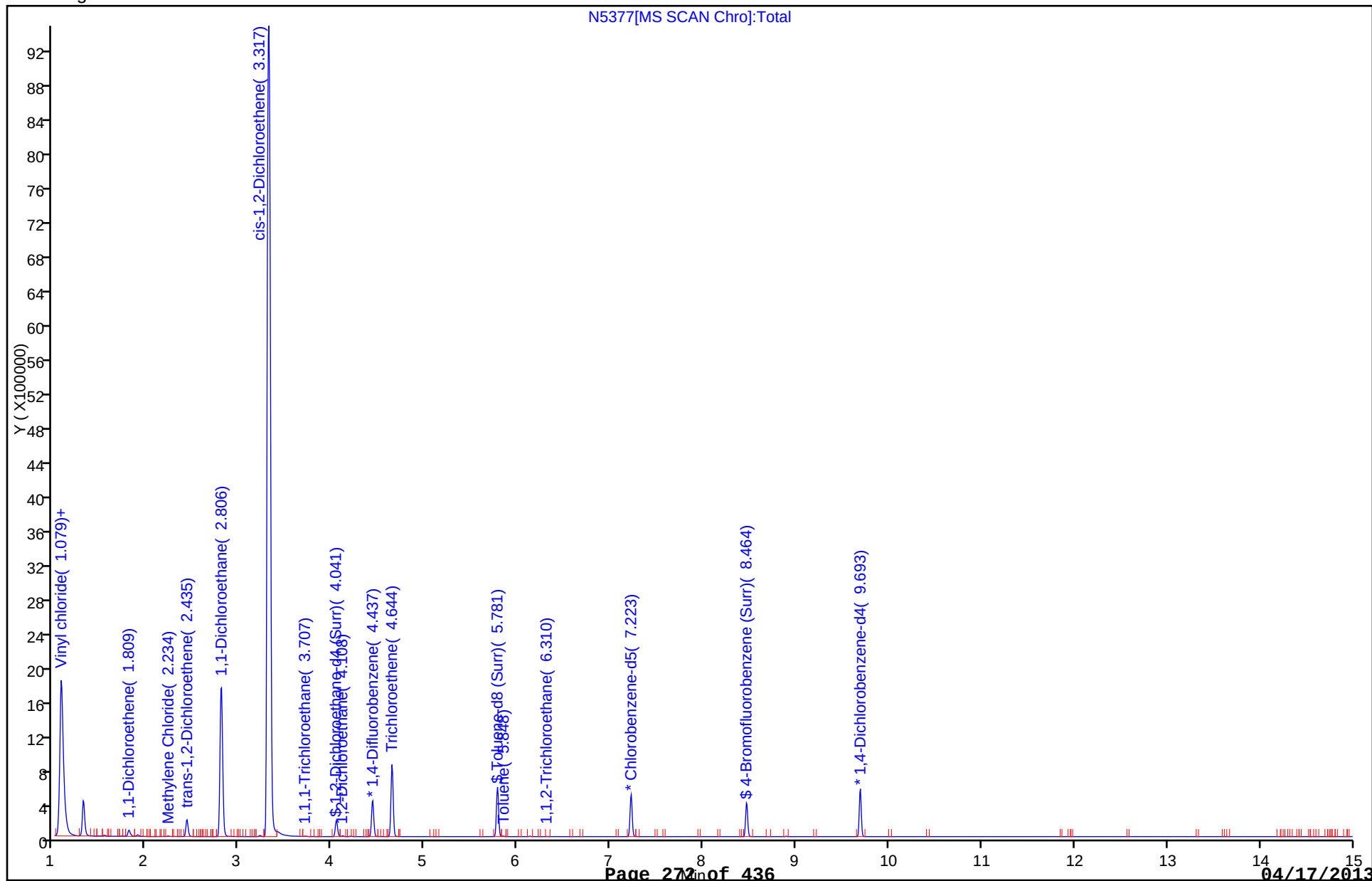
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5377.D
Injection Date: 06-Apr-2013 19:50:30 Limit Group: MV - 8260B ICAL
Client ID: MW-16D Instrument ID: HP5973N
Lims Batch ID: 111319 Lims Sample ID: 44
Operator ID: TF Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5377.D

Injection Date: 06-Apr-2013 19:50:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 44

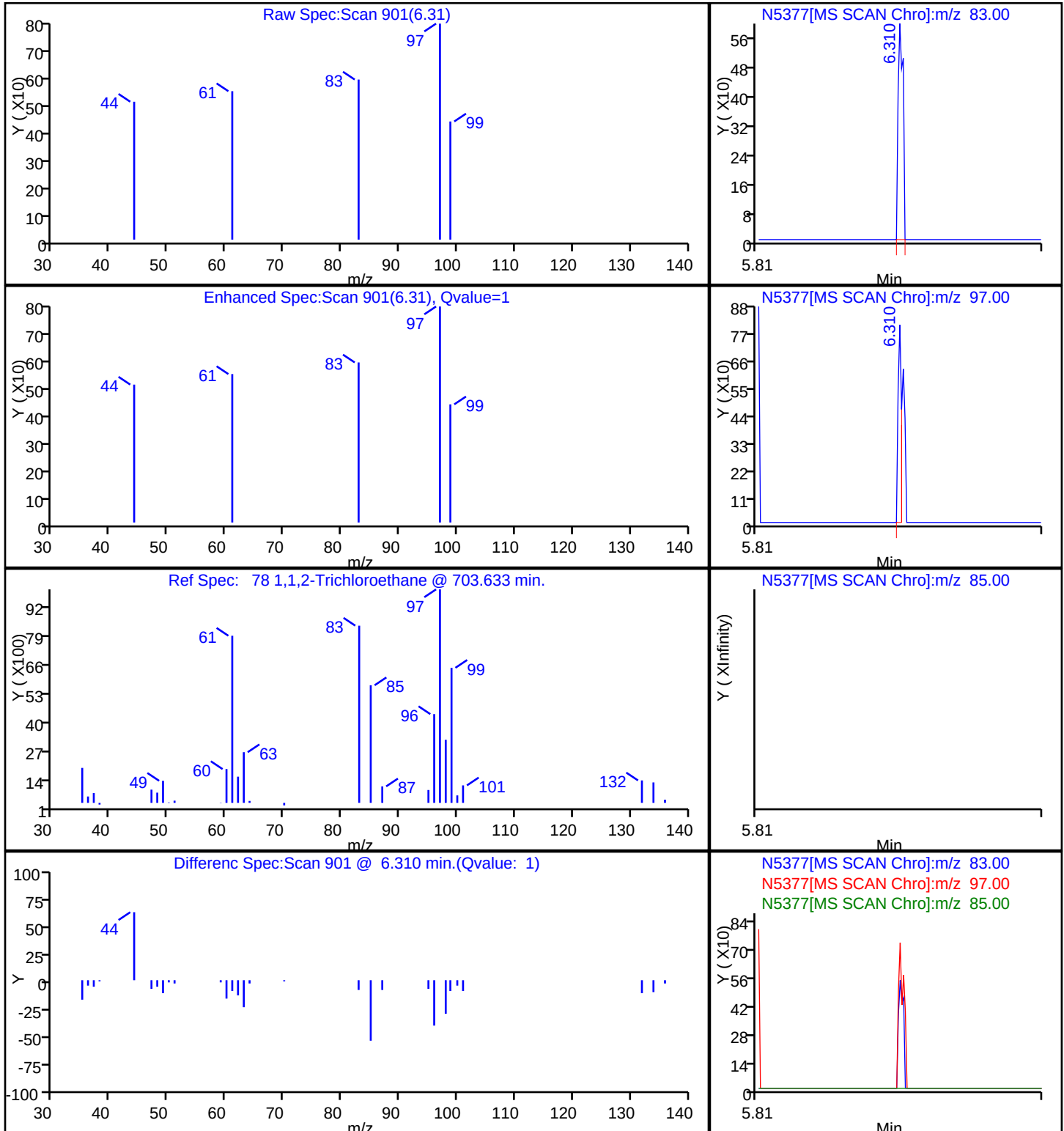
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

78 1,1,2-Trichloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5377.D

Injection Date: 06-Apr-2013 19:50:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 44

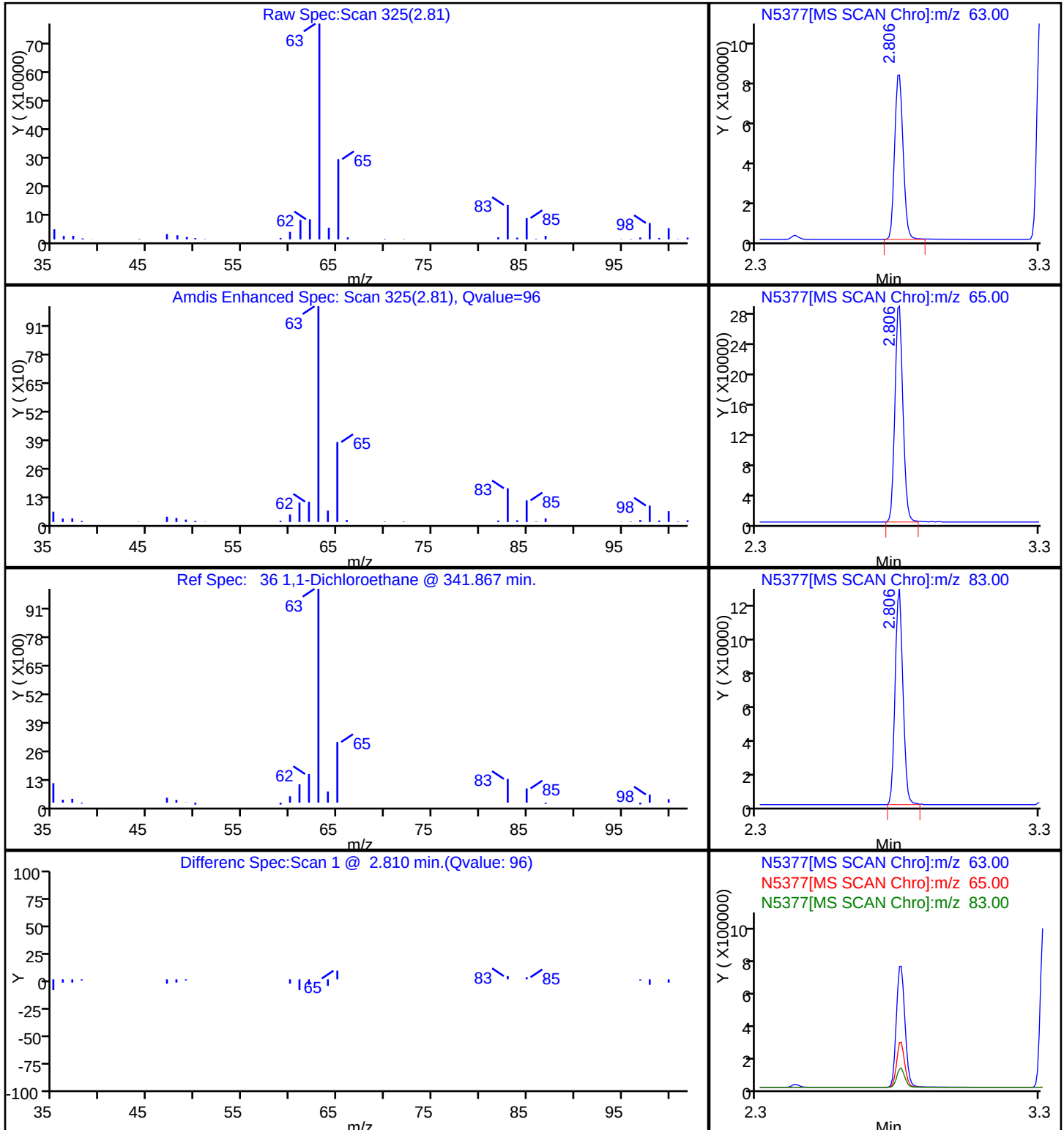
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

36 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5377.D

Injection Date: 06-Apr-2013 19:50:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 44

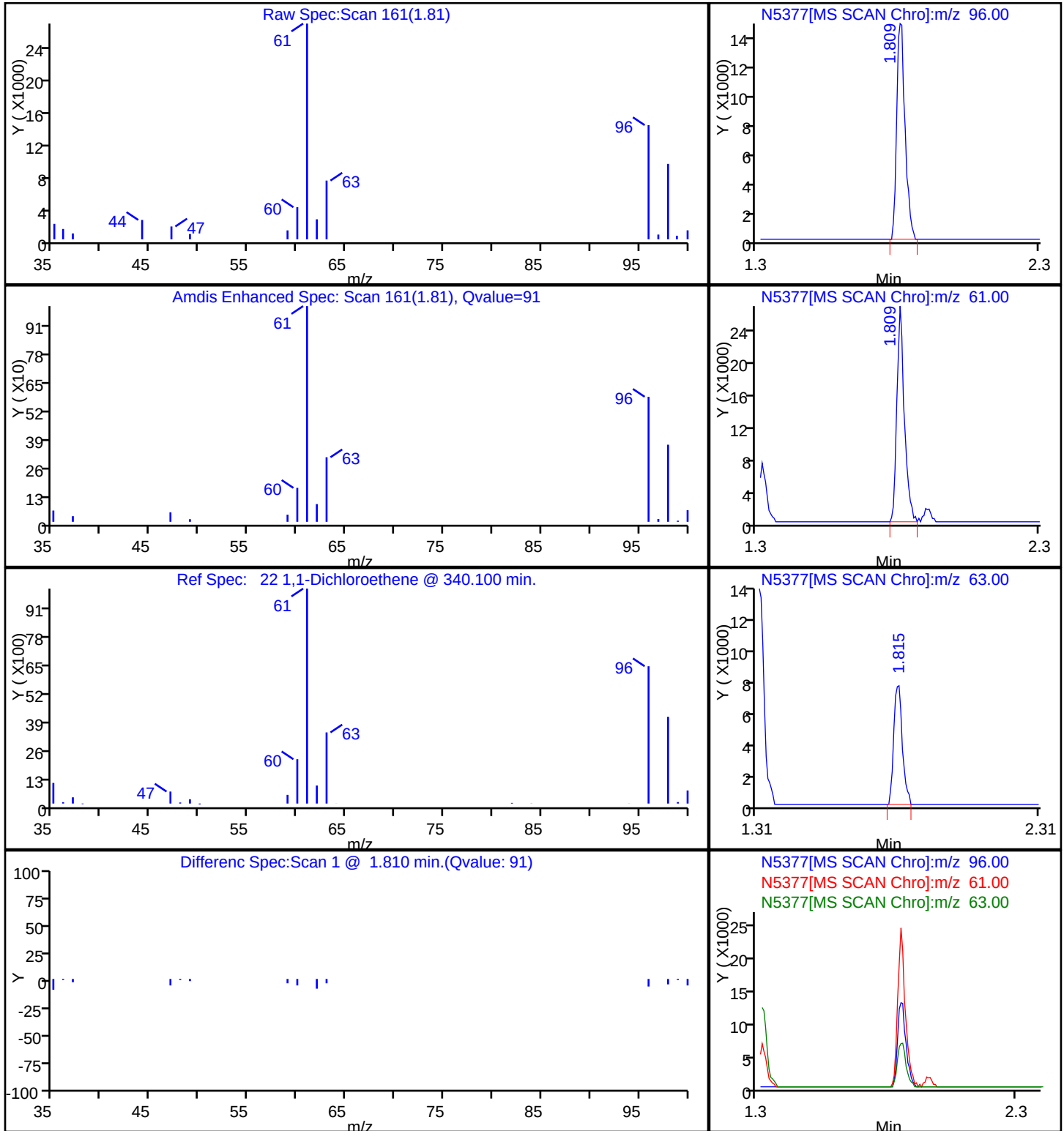
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

22 1,1-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5377.D

Injection Date: 06-Apr-2013 19:50:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 44

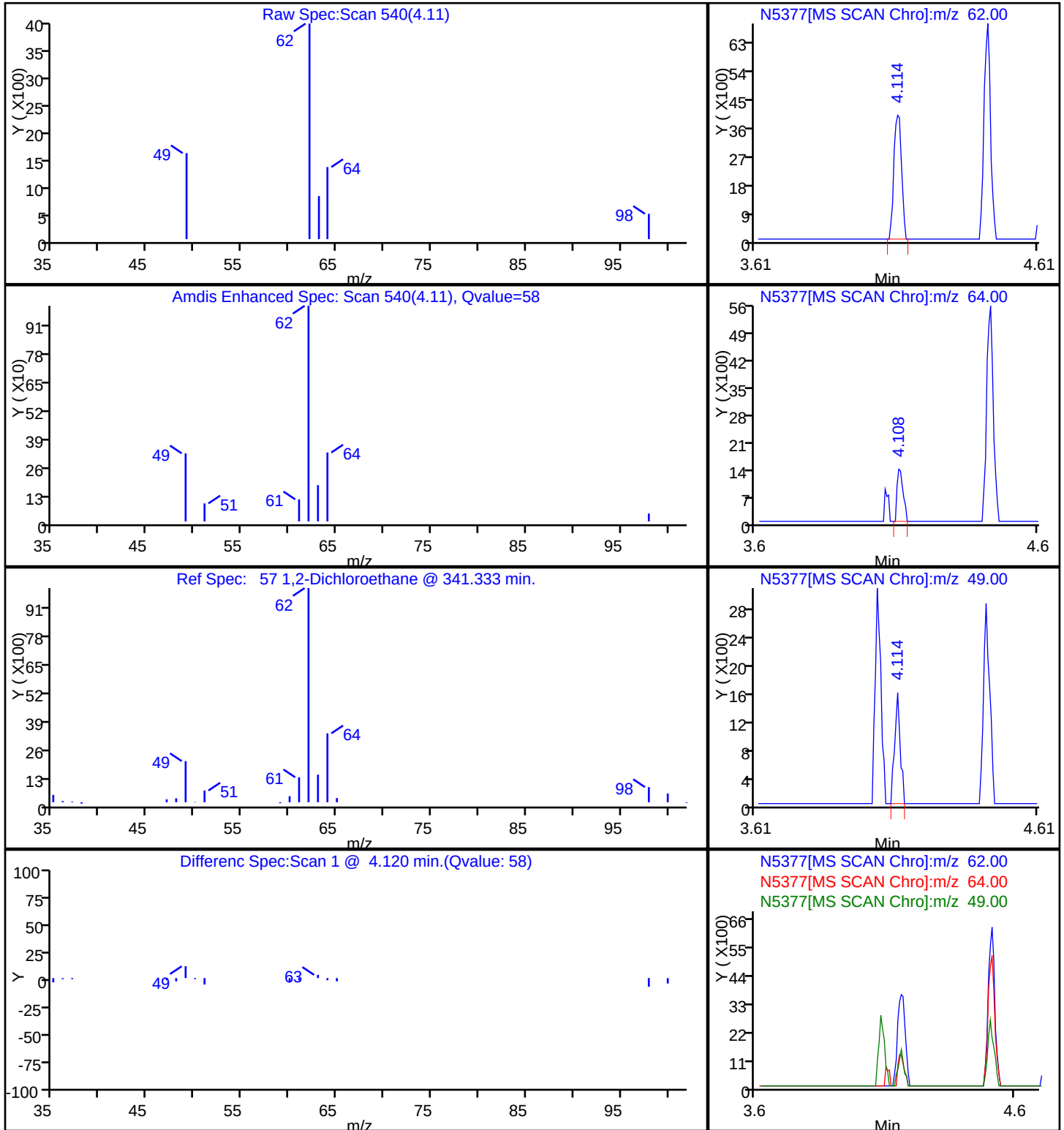
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

57 1,2-Dichloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5377.D

Injection Date: 06-Apr-2013 19:50:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 44

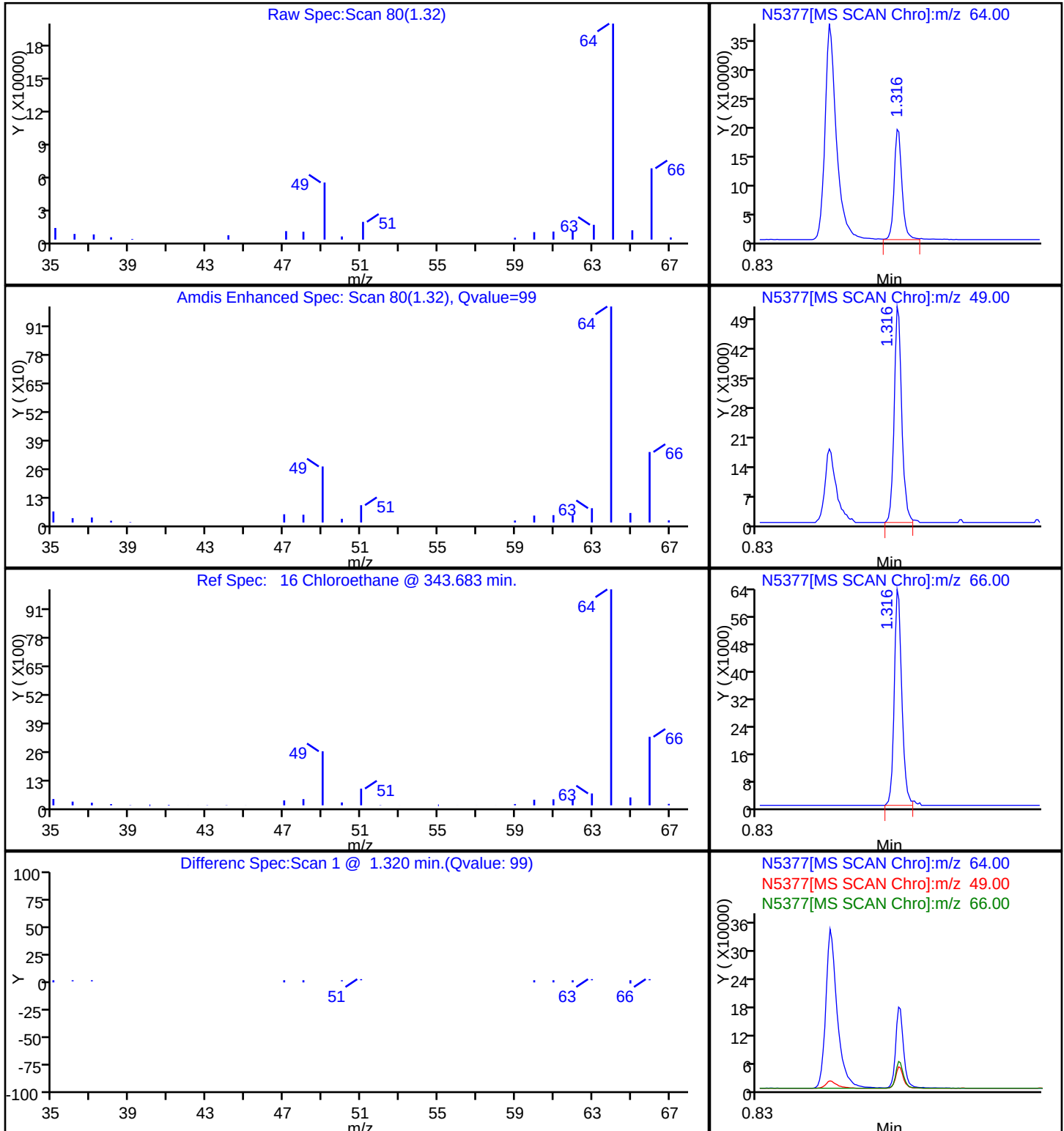
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

16 Chloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5377.D

Injection Date: 06-Apr-2013 19:50:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 44

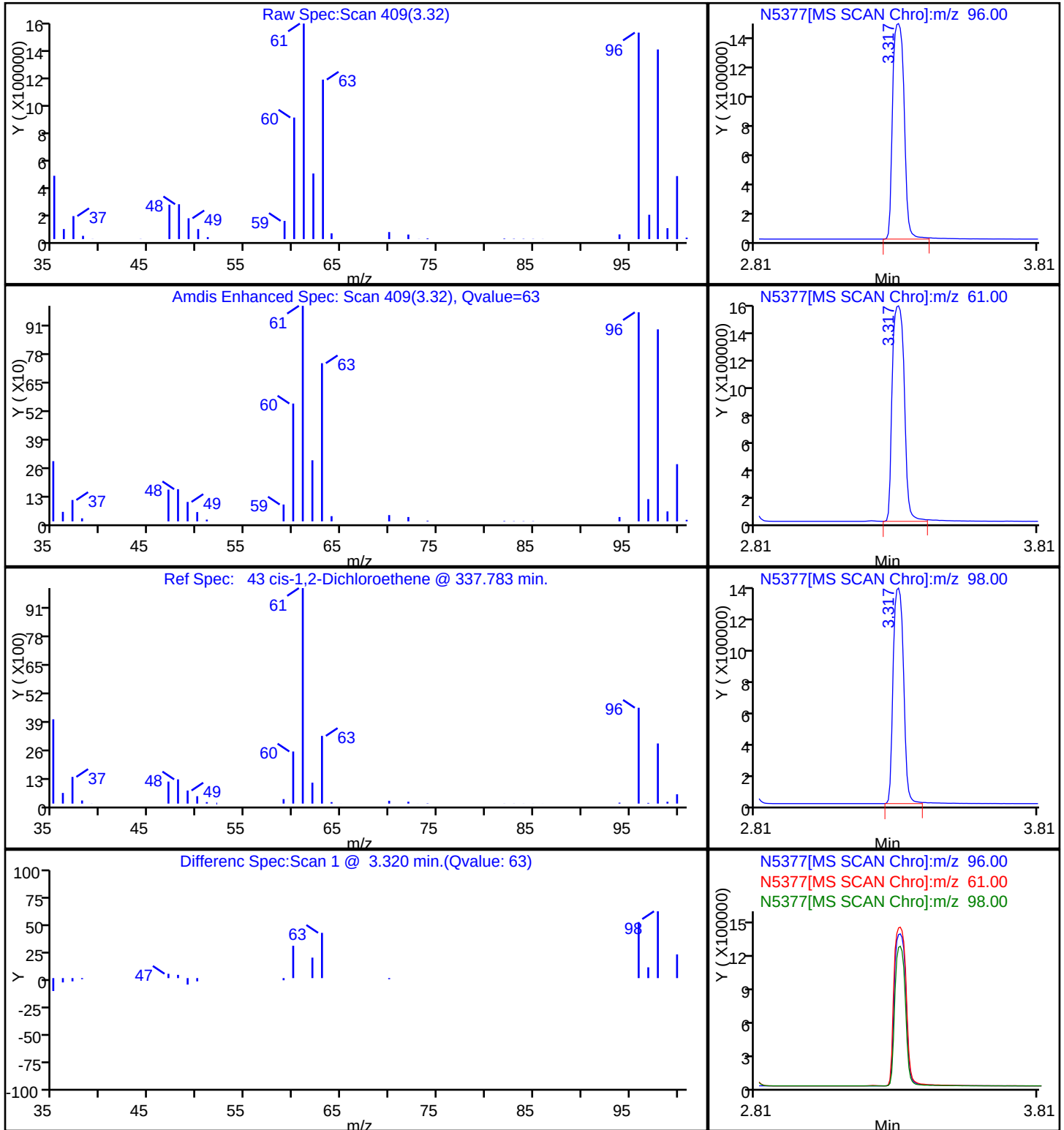
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5377.D

Injection Date: 06-Apr-2013 19:50:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 44

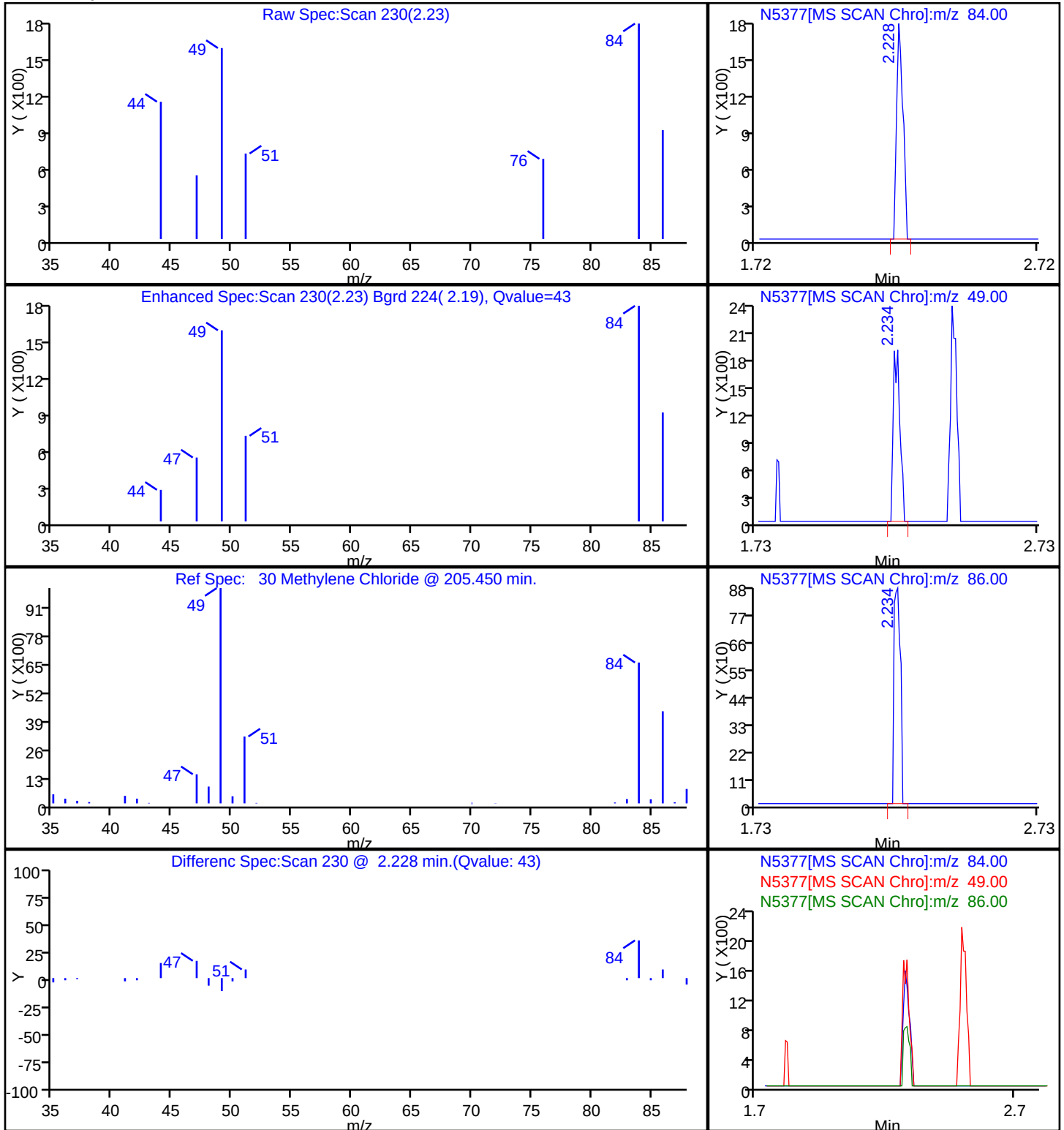
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

30 Methylene Chloride



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5377.D

Injection Date: 06-Apr-2013 19:50:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 44

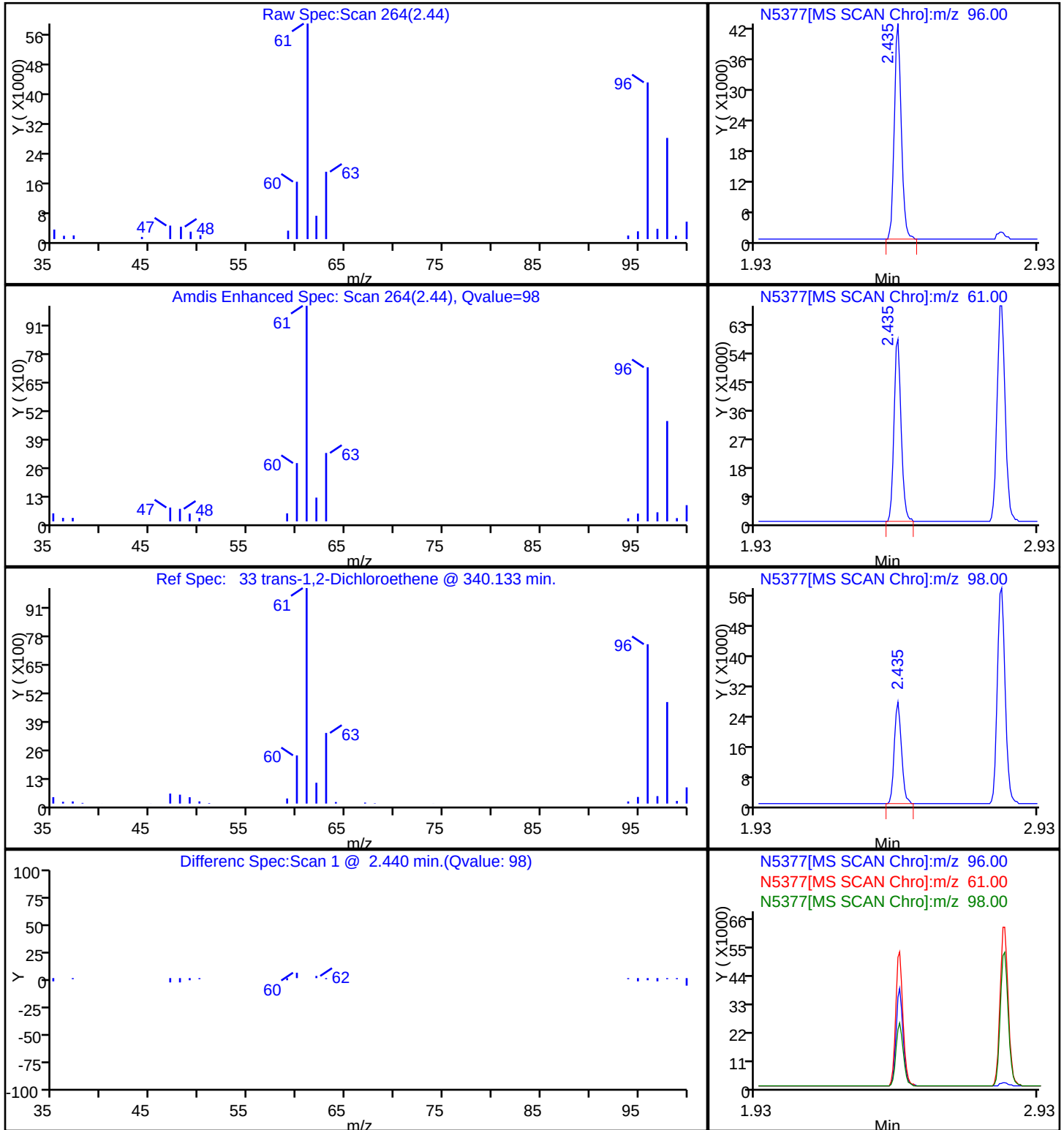
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

33 trans-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5377.D

Injection Date: 06-Apr-2013 19:50:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 44

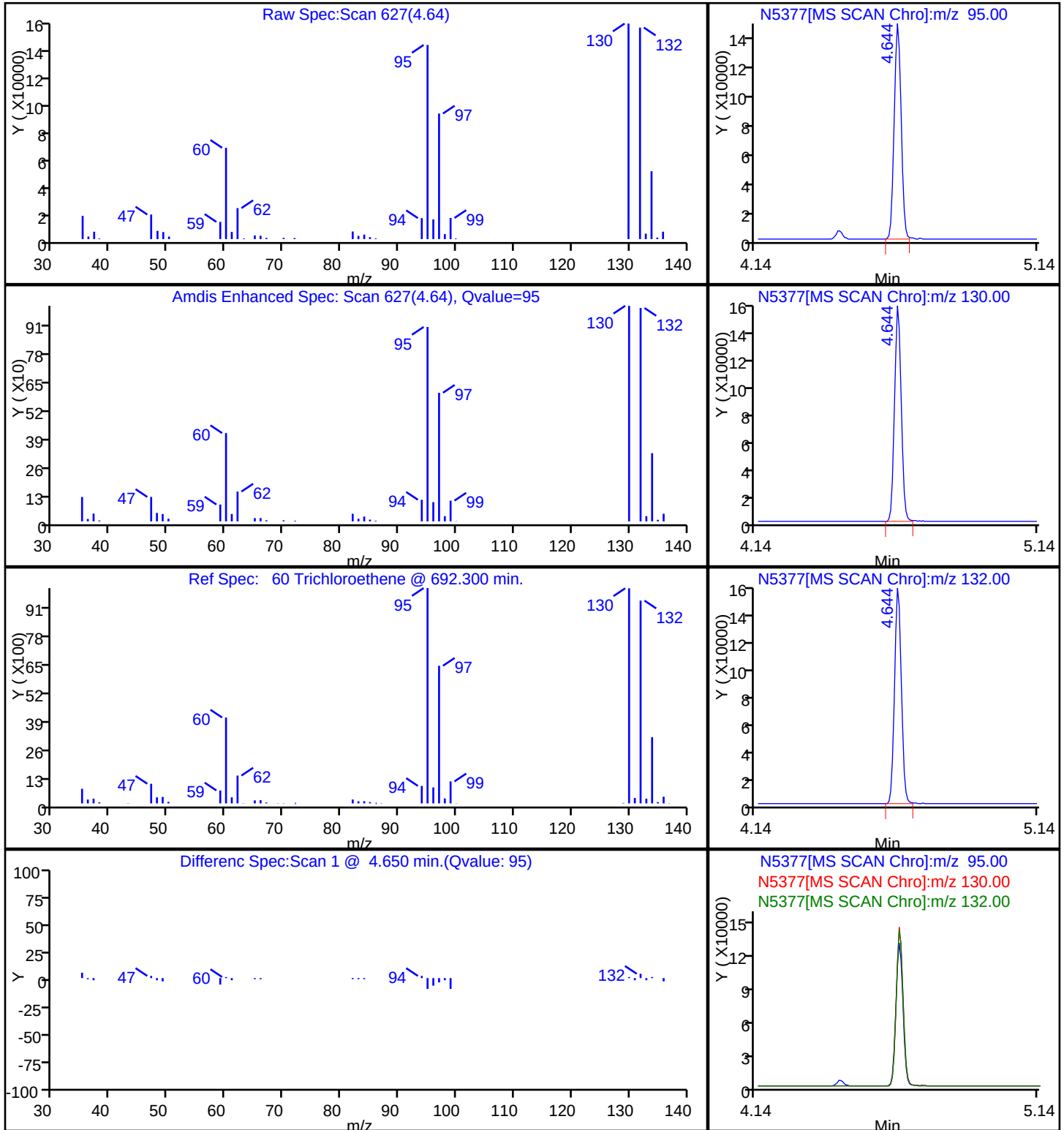
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

60 Trichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5377.D

Injection Date: 06-Apr-2013 19:50:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 44

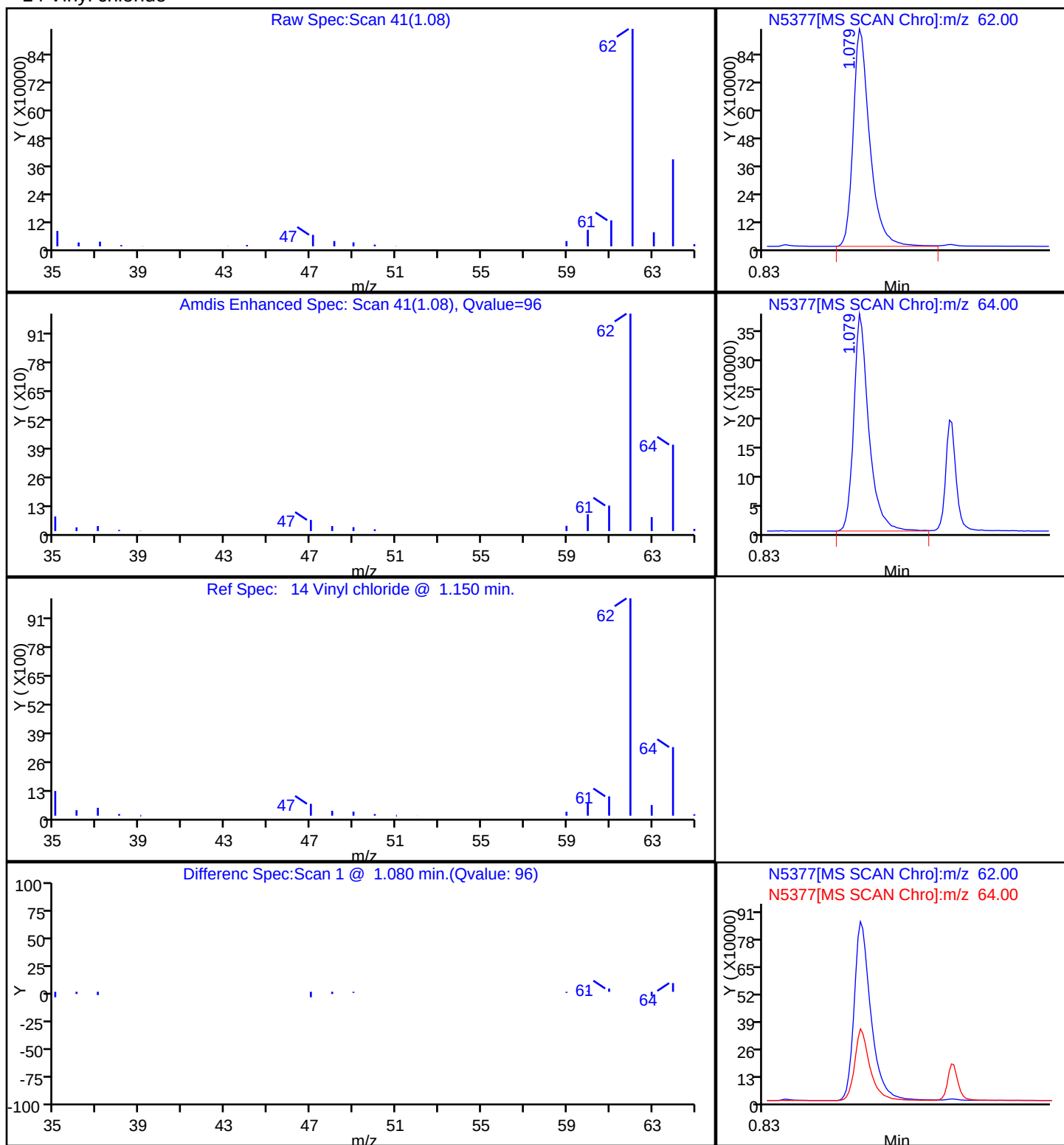
Operator ID: TF

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

14 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-16D DL Lab Sample ID: 480-35528-17 DL

Matrix: Ground Water Lab File ID: N5419.D

Analysis Method: 8260B Date Collected: 04/03/2013 11:00

Sample wt/vol: 5(mL) Date Analyzed: 04/09/2013 00:55

Soil Aliquot Vol: _____ Dilution Factor: 50

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

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

Analysis Batch No.: 111593 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		50	41
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	11
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16
79-00-5	1,1,2-Trichloroethane	ND		50	12
75-34-3	1,1-Dichloroethane	260		50	19
75-35-4	1,1-Dichloroethene	ND		50	15
120-82-1	1,2,4-Trichlorobenzene	ND		50	21
96-12-8	1,2-Dibromo-3-Chloropropane	ND		50	20
106-93-4	1,2-Dibromoethane	ND		50	37
95-50-1	1,2-Dichlorobenzene	ND		50	40
107-06-2	1,2-Dichloroethane	ND		50	11
78-87-5	1,2-Dichloropropane	ND		50	36
541-73-1	1,3-Dichlorobenzene	ND		50	39
106-46-7	1,4-Dichlorobenzene	ND		50	42
78-93-3	2-Butanone (MEK)	ND		500	66
591-78-6	2-Hexanone	ND		250	62
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	110
67-64-1	Acetone	ND		500	150
71-43-2	Benzene	ND		50	21
75-27-4	Bromodichloromethane	ND		50	20
75-25-2	Bromoform	ND		50	13
74-83-9	Bromomethane	ND		50	35
75-15-0	Carbon disulfide	ND		50	9.5
56-23-5	Carbon tetrachloride	ND		50	14
108-90-7	Chlorobenzene	ND		50	38
75-00-3	Chloroethane	190		50	16
67-66-3	Chloroform	ND		50	17
74-87-3	Chloromethane	ND		50	18
156-59-2	cis-1,2-Dichloroethene	2900		50	41
10061-01-5	cis-1,3-Dichloropropene	ND		50	18
110-82-7	Cyclohexane	ND		50	9.0
124-48-1	Dibromochloromethane	ND		50	16
75-71-8	Dichlorodifluoromethane	ND		50	34
100-41-4	Ethylbenzene	ND		50	37
98-82-8	Isopropylbenzene	ND		50	40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: MW-16D DL Lab Sample ID: 480-35528-17 DL

Matrix: Ground Water Lab File ID: N5419.D

Analysis Method: 8260B Date Collected: 04/03/2013 11:00

Sample wt/vol: 5(mL) Date Analyzed: 04/09/2013 00:55

Soil Aliquot Vol: _____ Dilution Factor: 50

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

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

Analysis Batch No.: 111593 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		50	25
1634-04-4	Methyl tert-butyl ether	ND		50	8.0
108-87-2	Methylcyclohexane	ND		50	8.0
75-09-2	Methylene Chloride	ND		50	22
100-42-5	Styrene	ND		50	37
127-18-4	Tetrachloroethene	ND		50	18
108-88-3	Toluene	ND		50	26
156-60-5	trans-1,2-Dichloroethene	ND		50	45
10061-02-6	trans-1,3-Dichloropropene	ND		50	19
79-01-6	Trichloroethene	69		50	23
75-69-4	Trichlorofluoromethane	ND		50	44
75-01-4	Vinyl chloride	1100		50	45
1330-20-7	Xylenes, Total	ND		100	33

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		66-137
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
2037-26-5	Toluene-d8 (Surr)	100		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5419.D
 Lims ID: 480-35528-C-17 Client ID: MW-16D
 Inject. Date: 09-Apr-2013 00:55:30 Dil. Factor: 50.0000
 Sample Type: Client
 Sample ID: 480-35528-C-17
 Misc. Info.: 480-0020382-011
 Operator: RAL Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 6
 Lims Batch ID: 111593 Lims Sample ID: 11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N-8260.m
 Last Update: 09-Apr-2013 11:59:03 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK012

First Level Reviewer: jonesr

Date: 09-Apr-2013 12:00:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	316477	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	262684	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	150094	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	87	114015	25.6	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	348169	25.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.464	8.470	-0.006	87	110741	23.1	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.987					
14 Vinyl chloride	62	1.066	1.060	0.006	98	87751	22.4	
15 Bromomethane	94		1.243					
16 Chloroethane	64	1.316	1.310	0.006	52	8481	3.87	
18 Trichlorofluoromethane	101		1.444					
22 1,1-Dichloroethene	96		1.809					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.815					
23 Acetone	43		1.906					
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.161					
30 Methylene Chloride	84		2.228					9
33 trans-1,2-Dichloroethene	96	2.435	2.429	0.006	41	1292	0.3049	
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63	2.806	2.806	0.0	75	40735	5.17	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	81	266726	58.2	
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.840					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.114					
60 Trichloroethene	95	4.650	4.643	0.007	62	5792	1.37	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.759					
63 1,2-Dichloropropane	63		4.869					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732				9	
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.363					
90 m-Xylene & p-Xylene	106		7.485					
91 o-Xylene	106		7.892					
92 Styrene	104		7.929					
93 Bromoform	173		8.148					
95 Isopropylbenzene	105		8.288					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.620					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.561					
S 126 Xylenes, Total	1		30.000				7	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5419.D

Injection Date: 09-Apr-2013 00:55:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973N

Lims Batch ID: 111593

Lims Sample ID: 11

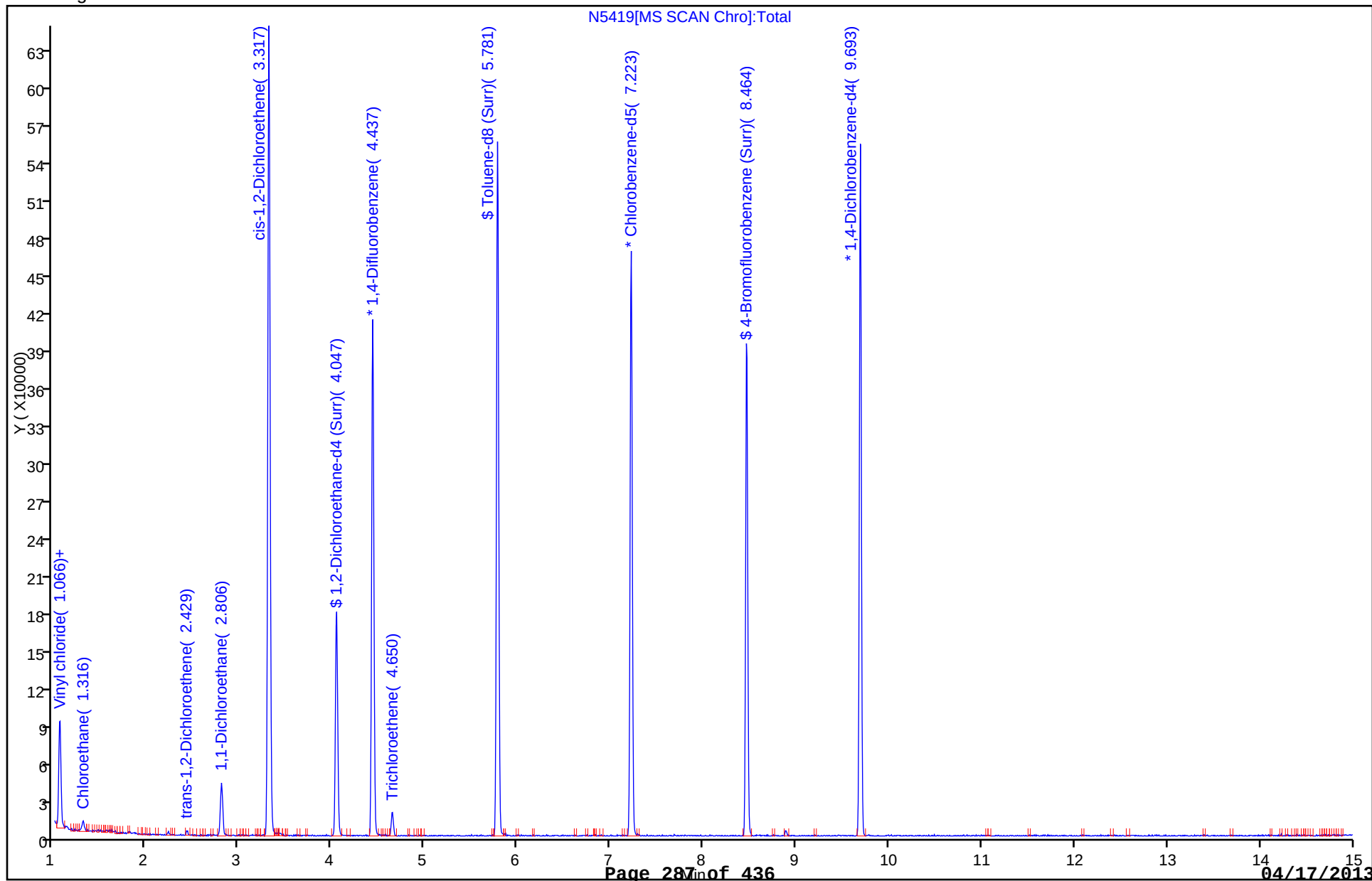
Operator ID: RAL

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5419.D

Injection Date: 09-Apr-2013 00:55:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973N

Lims Batch ID: 111593

Lims Sample ID: 11

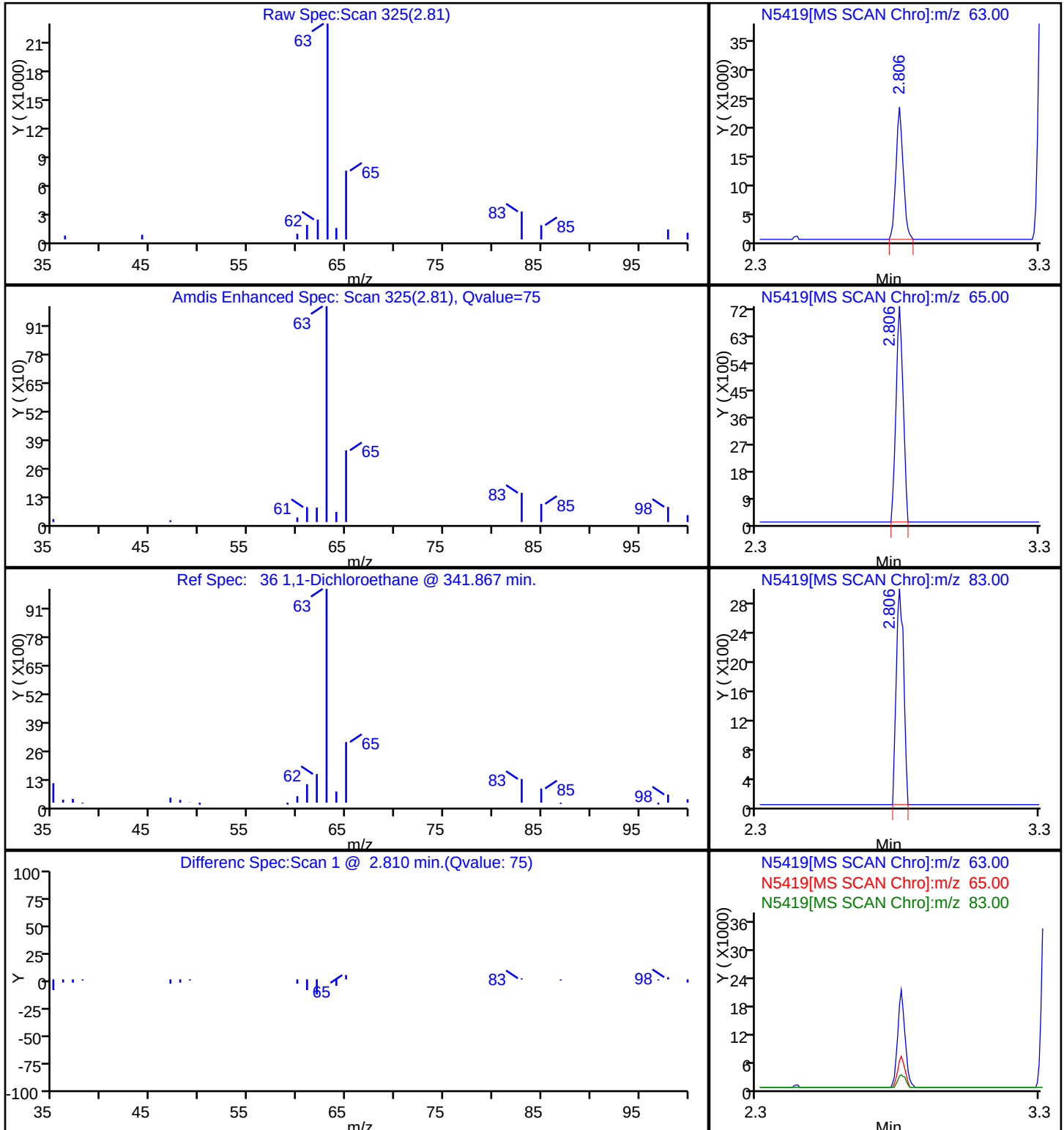
Operator ID: RAL

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

36 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5419.D

Injection Date: 09-Apr-2013 00:55:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973N

Lims Batch ID: 111593

Lims Sample ID: 11

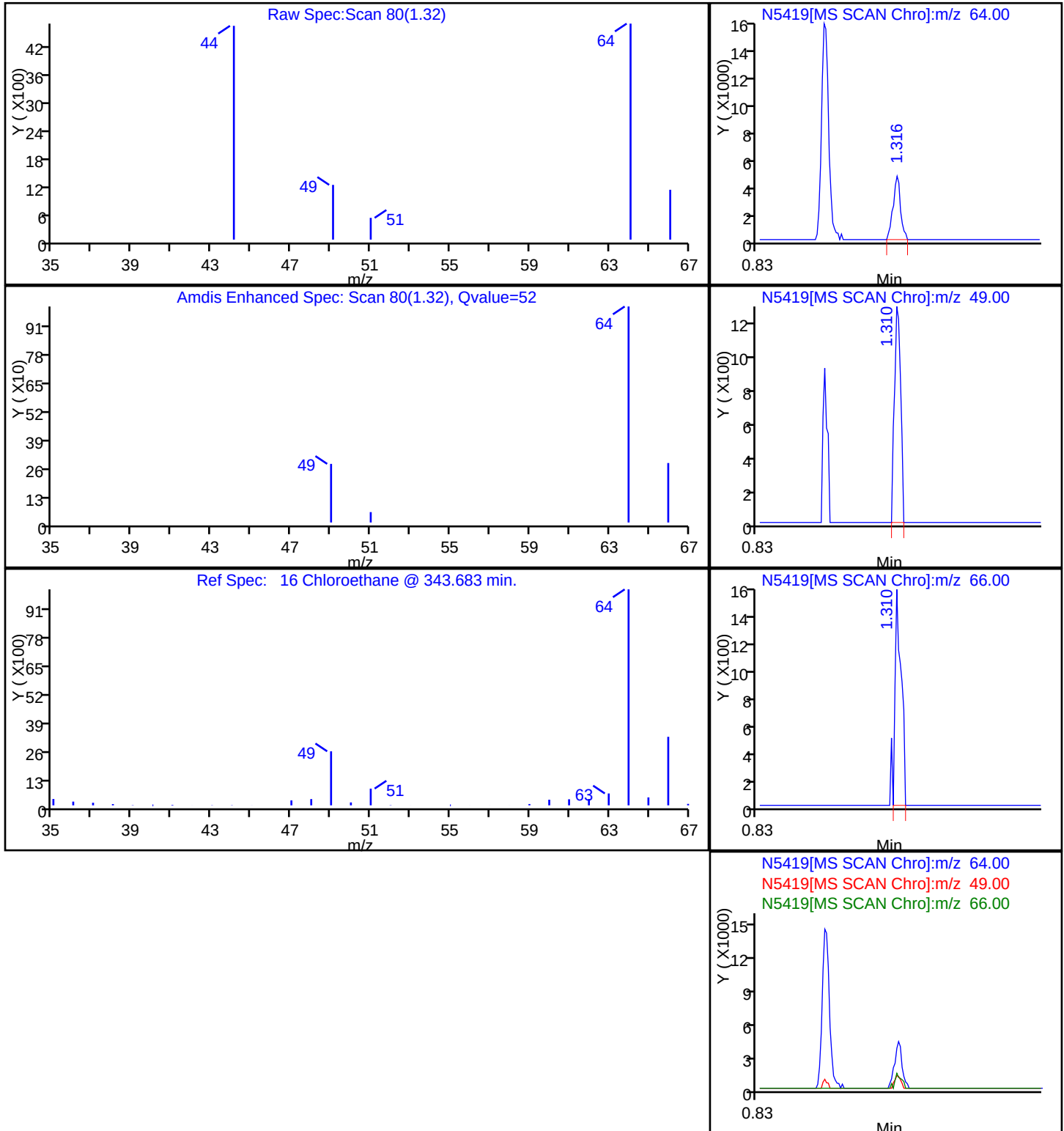
Operator ID: RAL

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

16 Chloroethane



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5419.D

Injection Date: 09-Apr-2013 00:55:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973N

Lims Batch ID: 111593

Lims Sample ID: 11

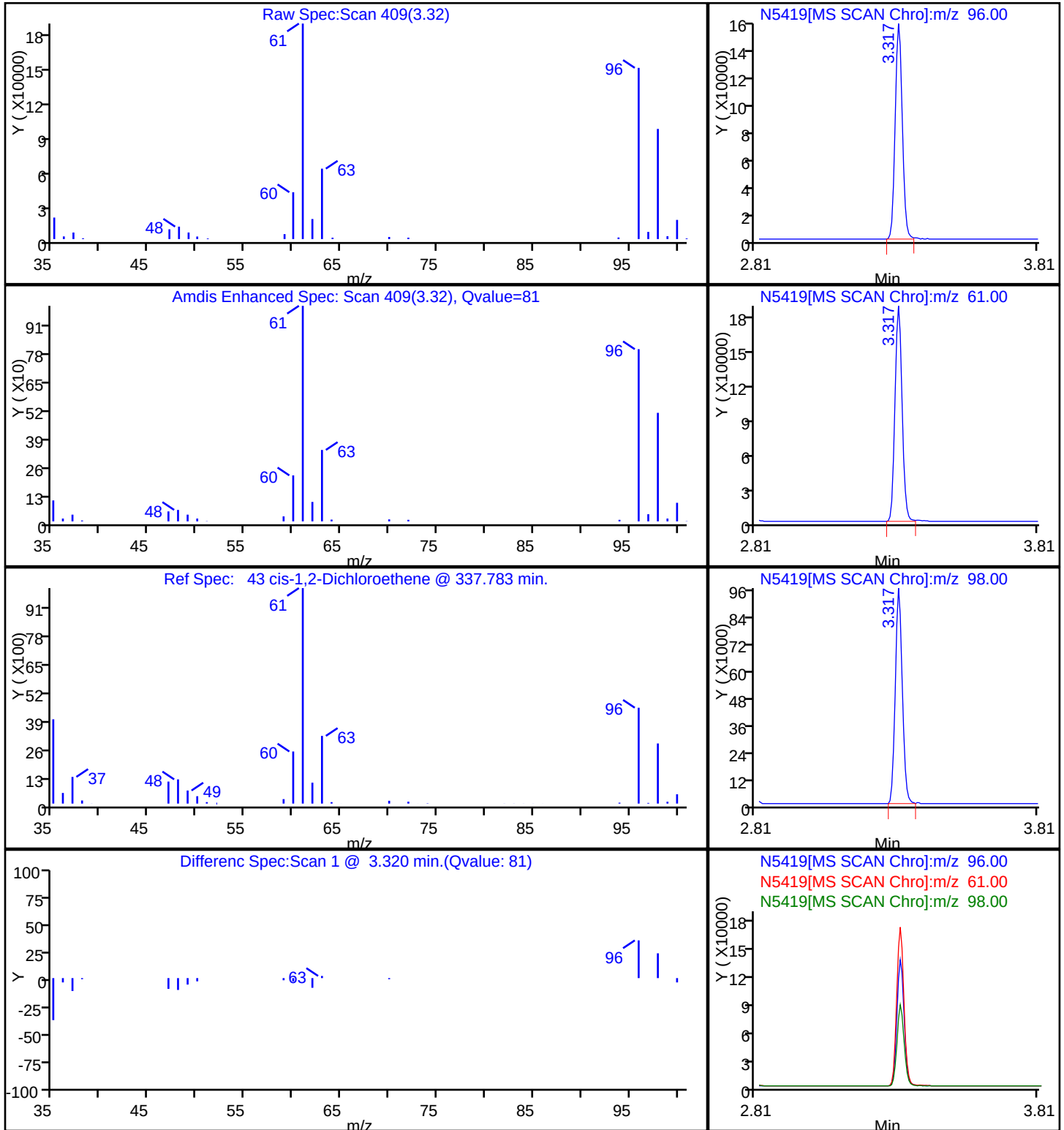
Operator ID: RAL

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5419.D

Injection Date: 09-Apr-2013 00:55:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973N

Lims Batch ID: 111593

Lims Sample ID: 11

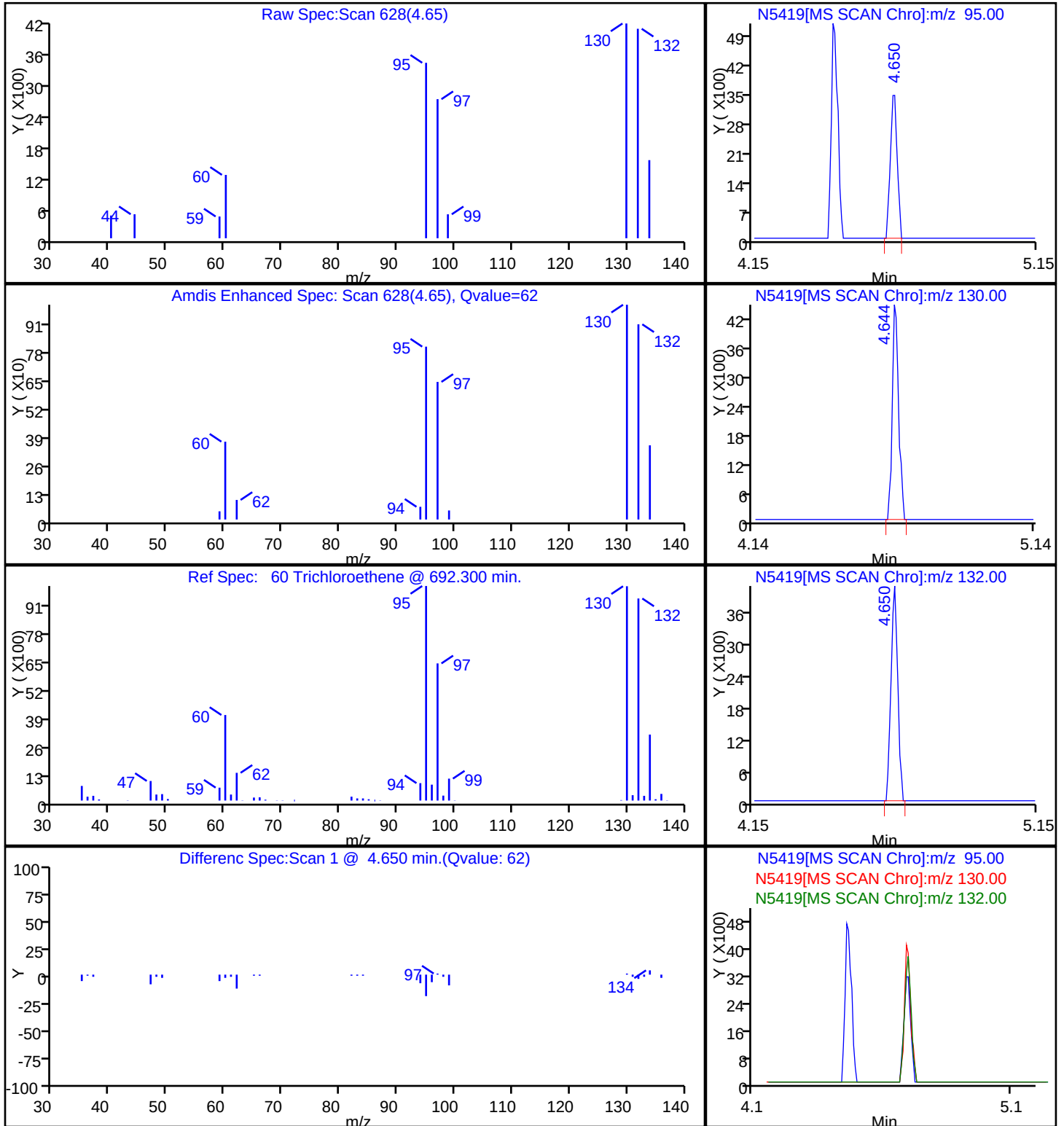
Operator ID: RAL

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

60 Trichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5419.D

Injection Date: 09-Apr-2013 00:55:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973N

Lims Batch ID: 111593

Lims Sample ID: 11

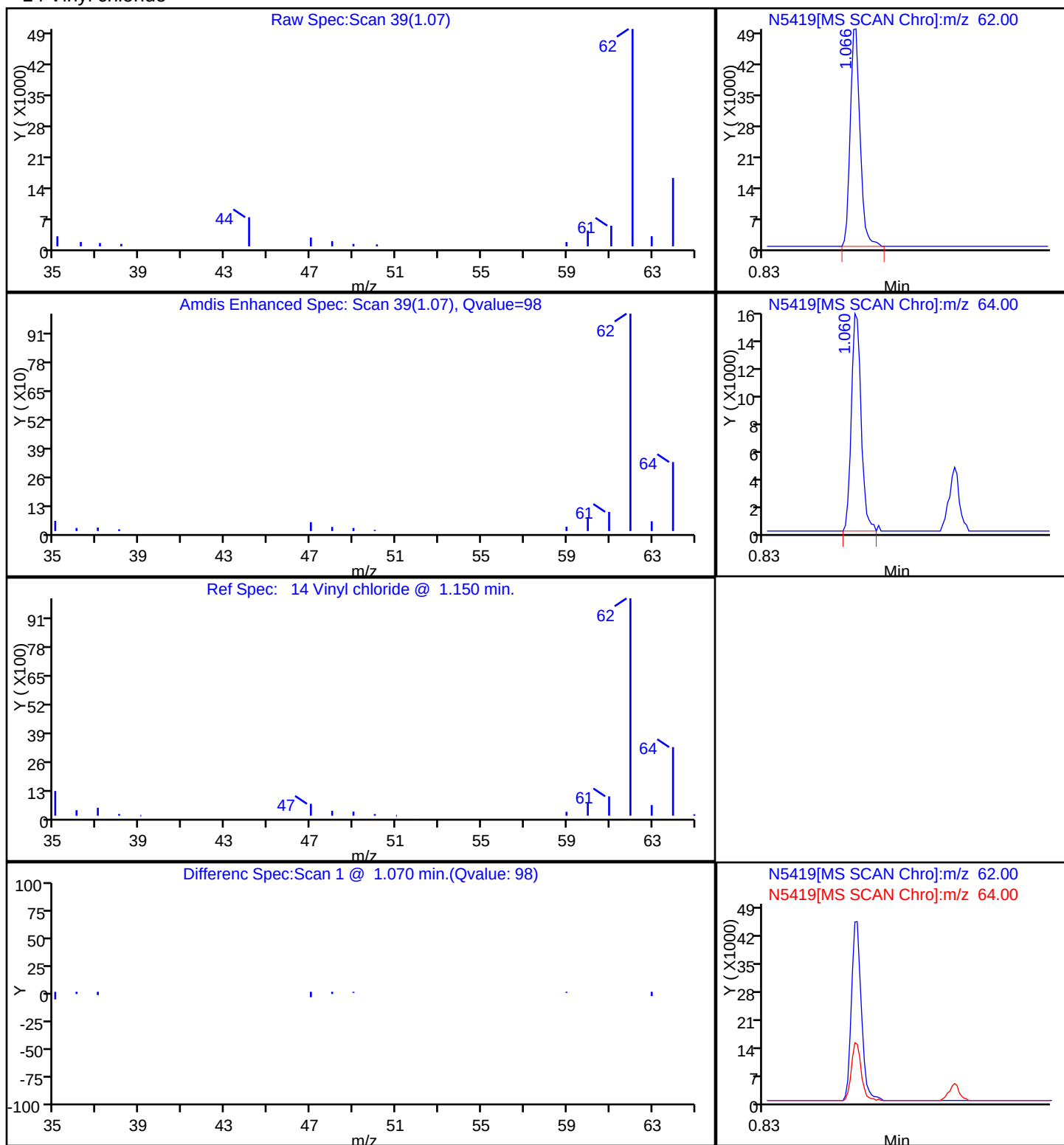
Operator ID: RAL

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

14 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: Rinse Lab Sample ID: 480-35528-18

Matrix: Water Lab File ID: N5378.D

Analysis Method: 8260B Date Collected: 04/01/2013 07:30

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 20:14

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.: 111319 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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: Rinse Lab Sample ID: 480-35528-18
 Matrix: Water Lab File ID: N5378.D
 Analysis Method: 8260B Date Collected: 04/01/2013 07:30
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 20:14
 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.: 111319 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)	108		66-137
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
2037-26-5	Toluene-d8 (Surr)	95		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5378.D
 Lims ID: 480-35528-A-18 Client ID: Rinse
 Inject. Date: 06-Apr-2013 20:14:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-35528-A-18
 Misc. Info.: 480-0020332-045
 Operator: TF Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 20
 Lims Batch ID: 111319 Lims Sample ID: 45
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
 Last Update: 08-Apr-2013 13:28:57 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 13:29:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	303801	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	271853	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	146230	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	87	115901	27.1	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	340407	23.7	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	110794	22.4	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62		1.066					
15 Bromomethane	94		1.243					
16 Chloroethane	64		1.310					
18 Trichlorofluoromethane	101		1.444					
22 1,1-Dichloroethene	96		1.803					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43		1.900					
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.800					
43 cis-1,2-Dichloroethene	96		3.317					
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
52 Cyclohexane	56		3.713					
51 1,1,1-Trichloroethane	97		3.713					
53 Carbon tetrachloride	117		3.841					
55 Benzene	78		4.041					
57 1,2-Dichloroethane	62		4.108					
60 Trichloroethene	95		4.644					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.759					
63 1,2-Dichloropropane	63		4.863					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.733				9	
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					
90 m-Xylene & p-Xylene	106		7.485					
91 o-Xylene	106		7.892					
92 Styrene	104		7.923					
93 Bromoform	173		8.142					
95 Isopropylbenzene	105		8.282					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.561					
S 126 Xylenes, Total	1		30.000				7	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5378.D

Injection Date: 06-Apr-2013 20:14:30

Limit Group: MV - 8260B ICAL

Client ID: Rinse

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 45

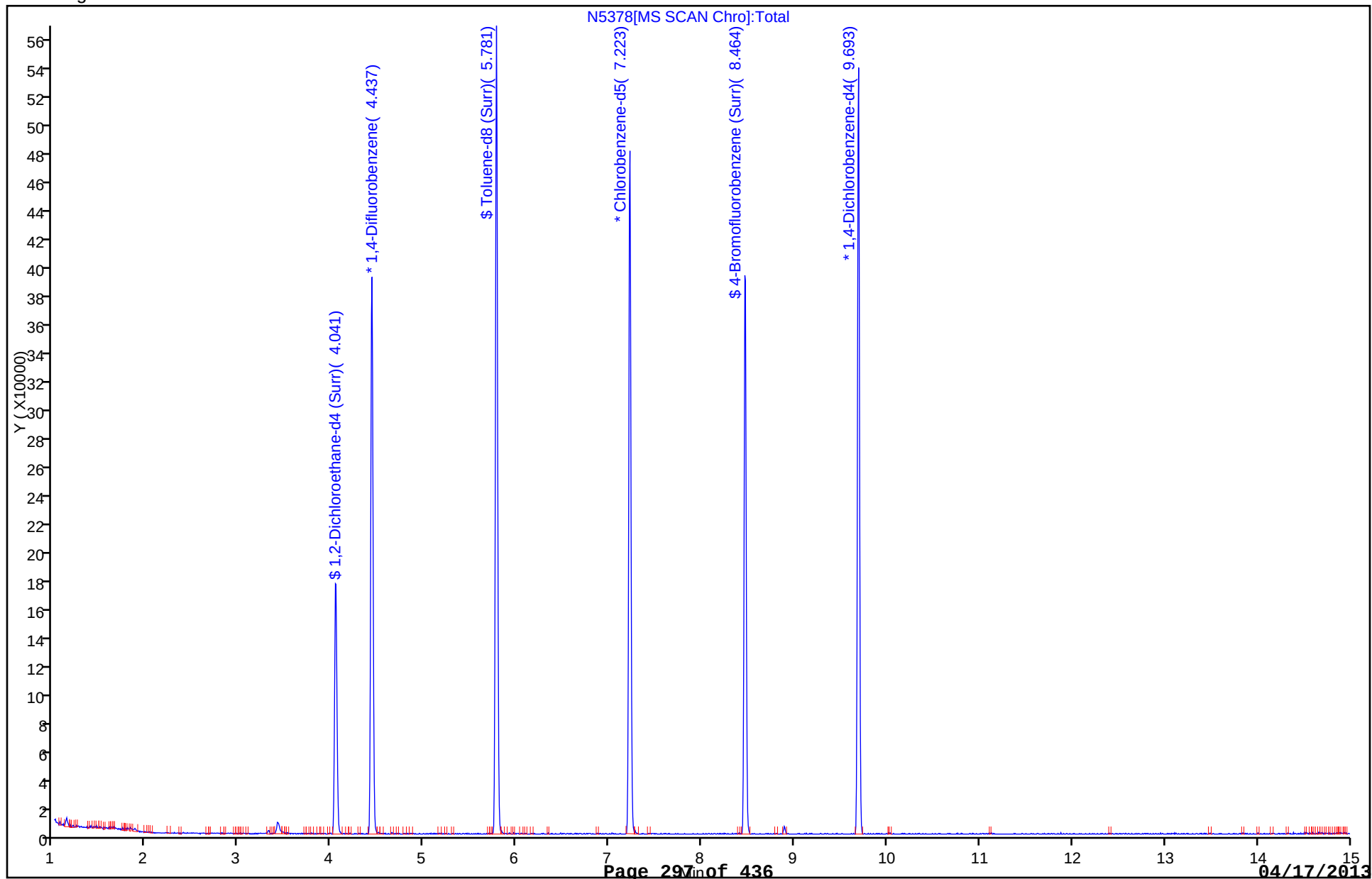
Operator ID: TF

Purge Vol: 5.000 mL

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.: 480-35528-1

SDG No.: _____

Client Sample ID: Duplicate Lab Sample ID: 480-35528-19

Matrix: Water Lab File ID: N5405.D

Analysis Method: 8260B Date Collected: 04/02/2013 12:30

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 17:58

Soil Aliquot Vol: _____ Dilution Factor: 1000

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

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

Analysis Batch No.: 111445 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1000	820
79-34-5	1,1,2,2-Tetrachloroethane	ND		1000	210
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	310
79-00-5	1,1,2-Trichloroethane	ND		1000	230
75-34-3	1,1-Dichloroethane	ND		1000	380
75-35-4	1,1-Dichloroethene	ND		1000	290
120-82-1	1,2,4-Trichlorobenzene	ND		1000	410
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1000	390
106-93-4	1,2-Dibromoethane	ND		1000	730
95-50-1	1,2-Dichlorobenzene	ND		1000	790
107-06-2	1,2-Dichloroethane	ND		1000	210
78-87-5	1,2-Dichloropropane	ND		1000	720
541-73-1	1,3-Dichlorobenzene	ND		1000	780
106-46-7	1,4-Dichlorobenzene	ND		1000	840
78-93-3	2-Butanone (MEK)	ND		10000	1300
591-78-6	2-Hexanone	ND		5000	1200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5000	2100
67-64-1	Acetone	ND		10000	3000
71-43-2	Benzene	ND		1000	410
75-27-4	Bromodichloromethane	ND		1000	390
75-25-2	Bromoform	ND		1000	260
74-83-9	Bromomethane	ND		1000	690
75-15-0	Carbon disulfide	ND		1000	190
56-23-5	Carbon tetrachloride	ND		1000	270
108-90-7	Chlorobenzene	ND		1000	750
75-00-3	Chloroethane	ND		1000	320
67-66-3	Chloroform	ND		1000	340
74-87-3	Chloromethane	ND		1000	350
156-59-2	cis-1,2-Dichloroethene	23000		1000	810
10061-01-5	cis-1,3-Dichloropropene	ND		1000	360
110-82-7	Cyclohexane	ND		1000	180
124-48-1	Dibromochloromethane	ND		1000	320
75-71-8	Dichlorodifluoromethane	ND		1000	680
100-41-4	Ethylbenzene	ND		1000	740
98-82-8	Isopropylbenzene	ND		1000	790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1
 SDG No.: _____
 Client Sample ID: Duplicate Lab Sample ID: 480-35528-19
 Matrix: Water Lab File ID: N5405.D
 Analysis Method: 8260B Date Collected: 04/02/2013 12:30
 Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 17:58
 Soil Aliquot Vol: _____ Dilution Factor: 1000
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 111445 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1000	500
1634-04-4	Methyl tert-butyl ether	ND		1000	160
108-87-2	Methylcyclohexane	ND		1000	160
75-09-2	Methylene Chloride	500	J	1000	440
100-42-5	Styrene	ND		1000	730
127-18-4	Tetrachloroethene	ND		1000	360
108-88-3	Toluene	ND		1000	510
156-60-5	trans-1,2-Dichloroethene	ND		1000	900
10061-02-6	trans-1,3-Dichloropropene	ND		1000	370
79-01-6	Trichloroethene	42000		1000	460
75-69-4	Trichlorofluoromethane	ND		1000	880
75-01-4	Vinyl chloride	ND		1000	900
1330-20-7	Xylenes, Total	ND		2000	660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		66-137
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
2037-26-5	Toluene-d8 (Surr)	98		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5405.D
 Lims ID: 480-35528-B-19 Client ID: Duplicate
 Inject. Date: 08-Apr-2013 17:58:30 Dil. Factor: 1000.0000
 Sample Type: Client
 Sample ID: 480-35528-B-19
 Misc. Info.: 480-0020354-023
 Operator: LH/NQ Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 47
 Lims Batch ID: 111445 Lims Sample ID: 23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N-8260.m
 Last Update: 08-Apr-2013 18:28:43 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK002

First Level Reviewer: larsonr

Date: 08-Apr-2013 18:31:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.431	0.006	91	322144	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	268695	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	95	147375	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	87	117455	25.9	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	349359	24.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	90	113218	23.1	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62		1.066					9
15 Bromomethane	94		1.249					
16 Chloroethane	64		1.310					
18 Trichlorofluoromethane	101		1.443					
22 1,1-Dichloroethene	96		1.802					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43		1.906					
25 Carbon disulfide	76		1.954					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84	2.228	2.228	0.0	43	2425	0.5036	
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.800					
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	80	106235	22.8	
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.846					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.108					
60 Trichloroethene	95	4.644	4.643	0.001	95	178807	41.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.753				9	
63 1,2-Dichloropropane	63		4.862					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732				9	
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.929					
93 Bromoform	173		8.148					
95 Isopropylbenzene	105		8.281					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.620					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.560					
S 126 Xylenes, Total	1		30.000				7	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5405.D

Injection Date: 08-Apr-2013 17:58:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 23

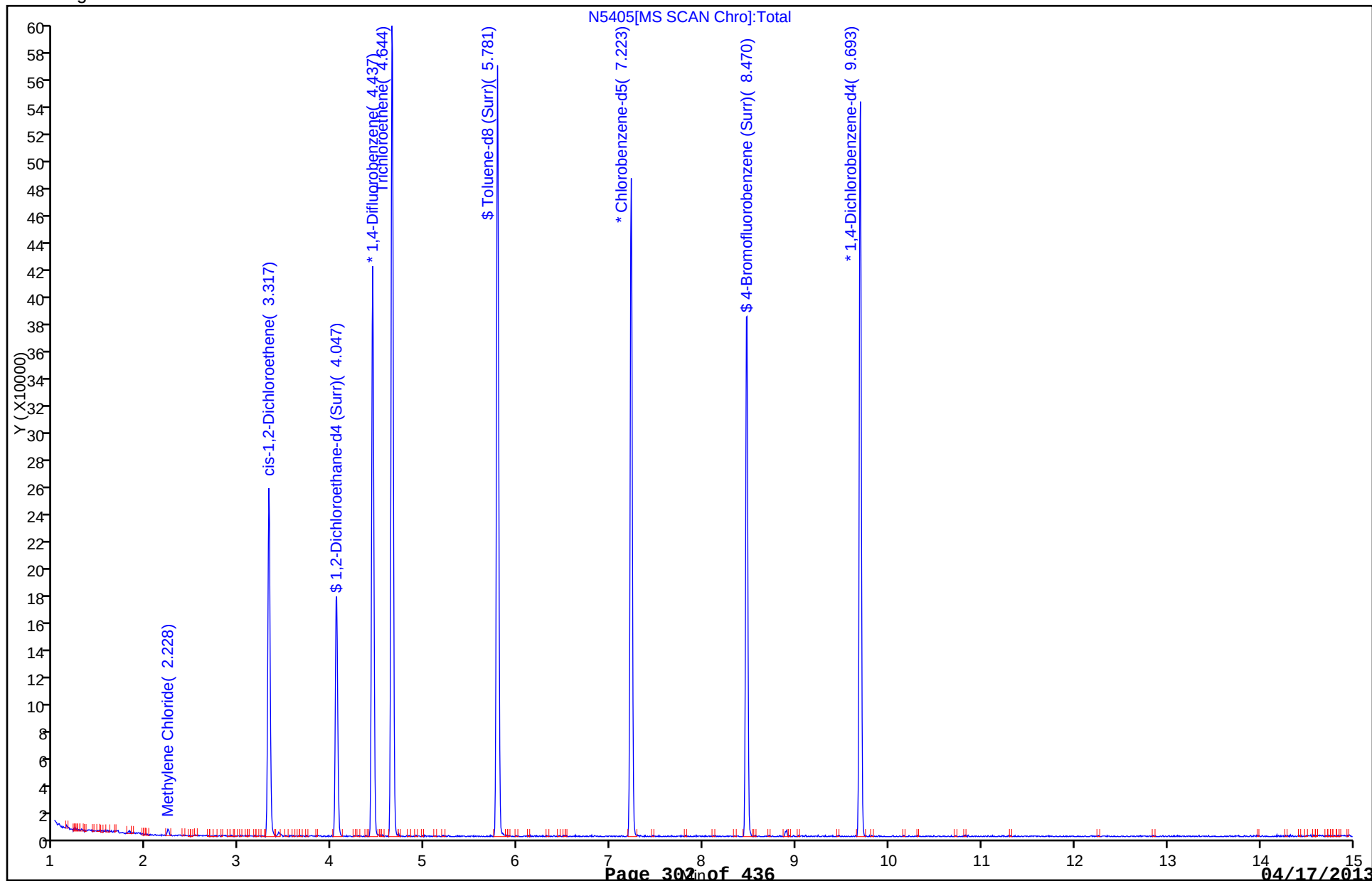
Operator ID: LH/NQ

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5405.D

Injection Date: 08-Apr-2013 17:58:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 23

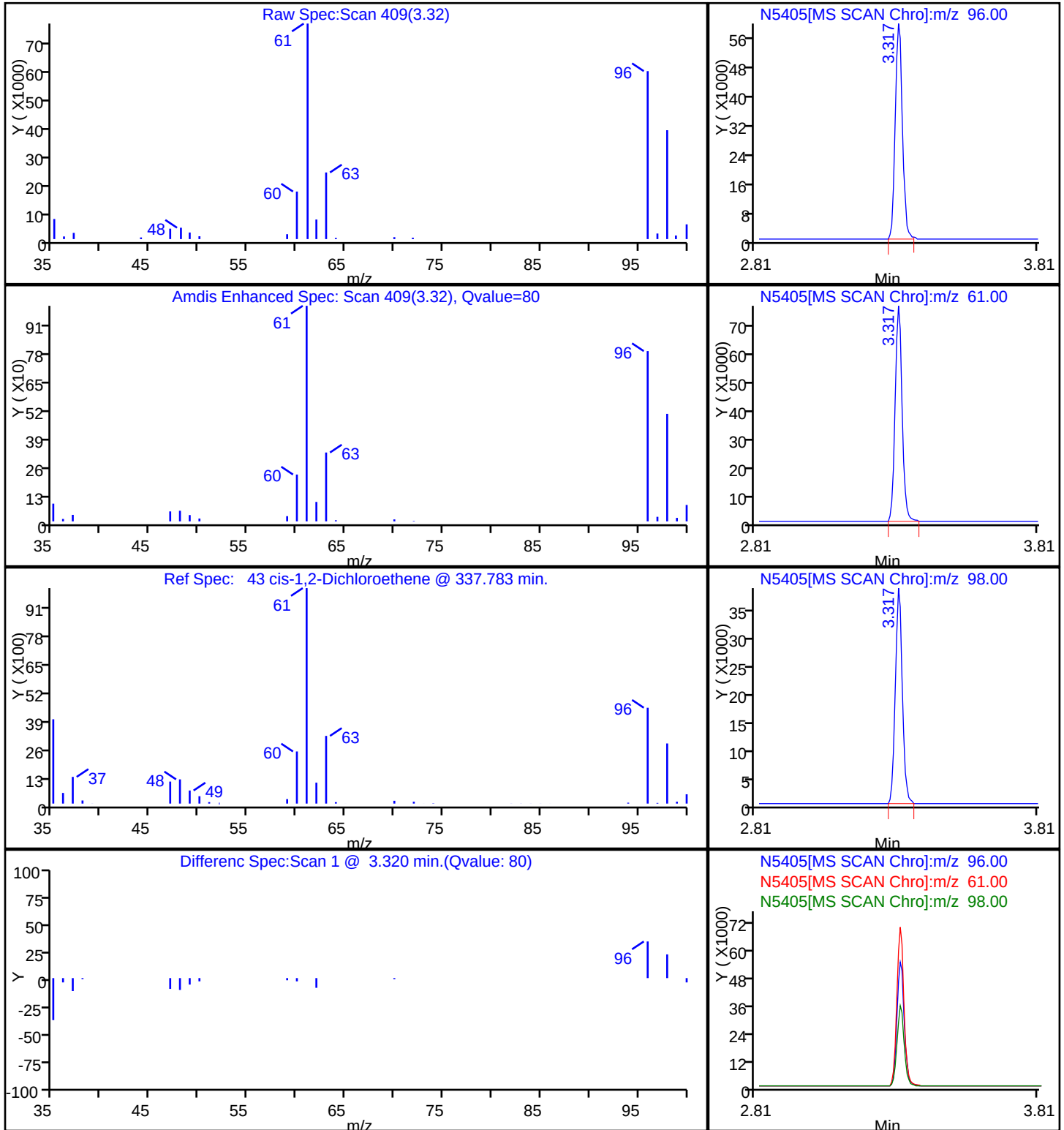
Operator ID: LH/NQ

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5405.D

Injection Date: 08-Apr-2013 17:58:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 23

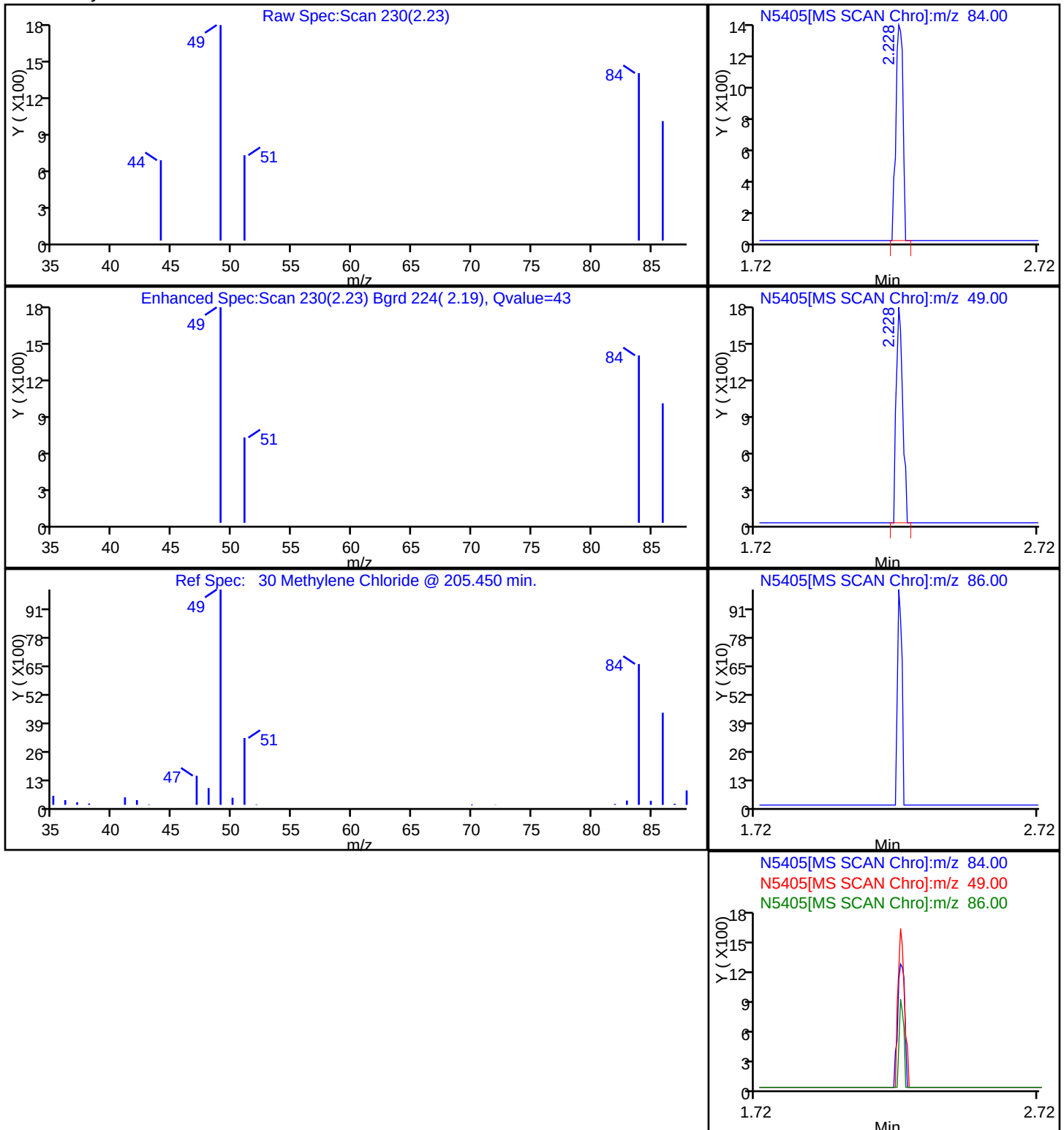
Operator ID: LH/NQ

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

30 Methylene Chloride



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5405.D

Injection Date: 08-Apr-2013 17:58:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 23

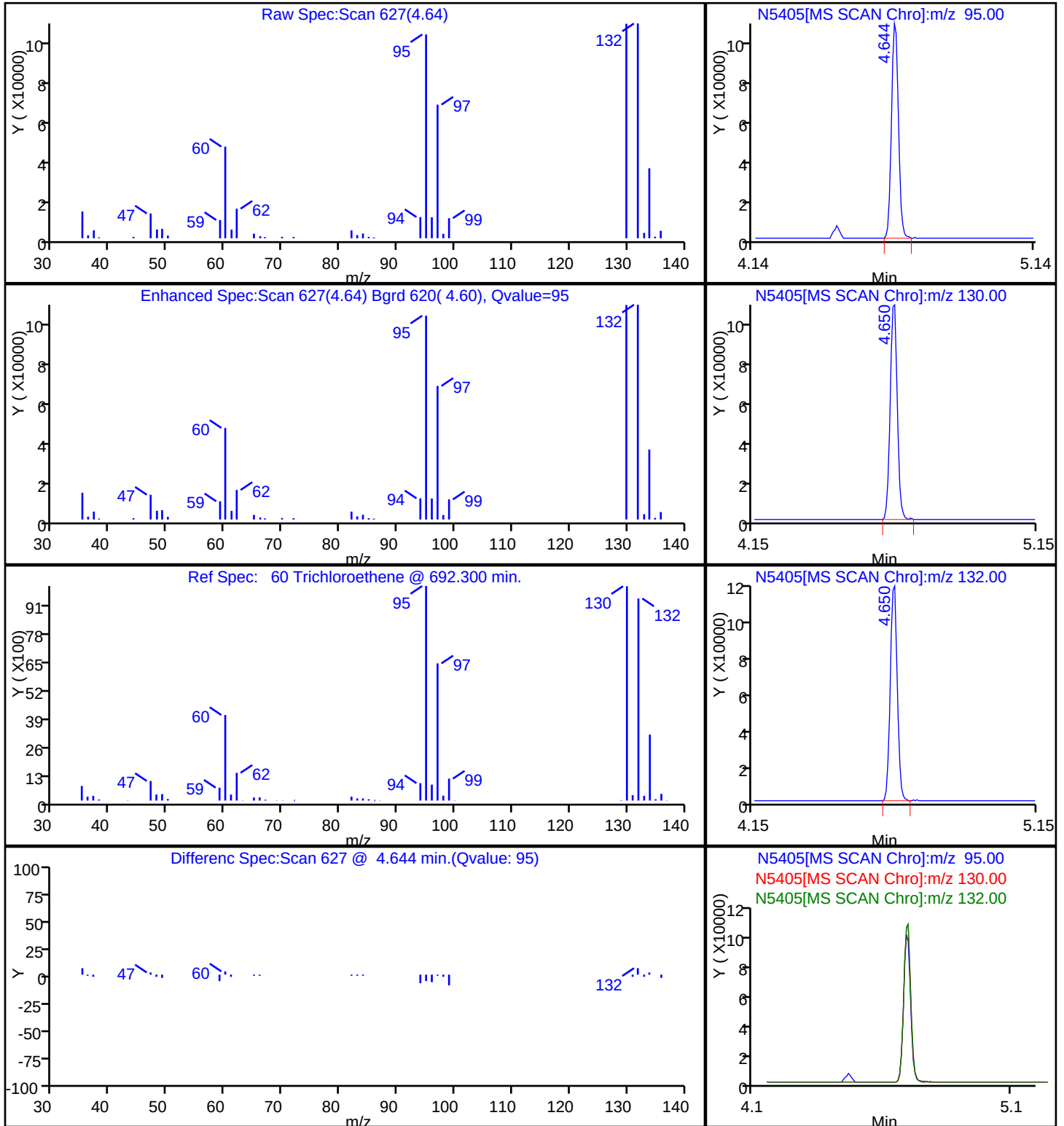
Operator ID: LH/NQ

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

60 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: Trip Blank Lab Sample ID: 480-35528-20

Matrix: Water Lab File ID: N5380.D

Analysis Method: 8260B Date Collected: 04/01/2013 08:00

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 21:02

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.: 111319 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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: Trip Blank Lab Sample ID: 480-35528-20
 Matrix: Water Lab File ID: N5380.D
 Analysis Method: 8260B Date Collected: 04/01/2013 08:00
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 21:02
 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.: 111319 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)	108		66-137
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
2037-26-5	Toluene-d8 (Surr)	98		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5380.D
 Lims ID: 480-35528-A-20 Client ID: Trip Blank
 Inject. Date: 06-Apr-2013 21:02:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-35528-A-20
 Misc. Info.: 480-0020332-047
 Operator: TF Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 22
 Lims Batch ID: 111319 Lims Sample ID: 47
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
 Last Update: 08-Apr-2013 13:28:57 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 13:29:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	307283	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	266565	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	146683	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	87	116368	26.9	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	345126	24.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	107568	22.1	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62		1.066					
15 Bromomethane	94		1.243					
16 Chloroethane	64		1.310					
18 Trichlorofluoromethane	101		1.444					
22 1,1-Dichloroethene	96		1.803					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43		1.900					
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.800					
43 cis-1,2-Dichloroethene	96		3.317					
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
52 Cyclohexane	56		3.713					
51 1,1,1-Trichloroethane	97		3.713					
53 Carbon tetrachloride	117		3.841					
55 Benzene	78		4.041					
57 1,2-Dichloroethane	62		4.108					
60 Trichloroethene	95		4.644					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
62 Methylcyclohexane	83		4.759					
63 1,2-Dichloropropane	63		4.863					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.733				9	
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
88 Ethylbenzene	91		7.357					
90 m-Xylene & p-Xylene	106		7.485					
91 o-Xylene	106		7.892					
92 Styrene	104		7.923					
93 Bromoform	173		8.142					
95 Isopropylbenzene	105		8.282					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.561					
S 126 Xylenes, Total	1		30.000				7	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5380.D

Injection Date: 06-Apr-2013 21:02:30

Limit Group: MV - 8260B ICAL

Client ID: Trip Blank

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 47

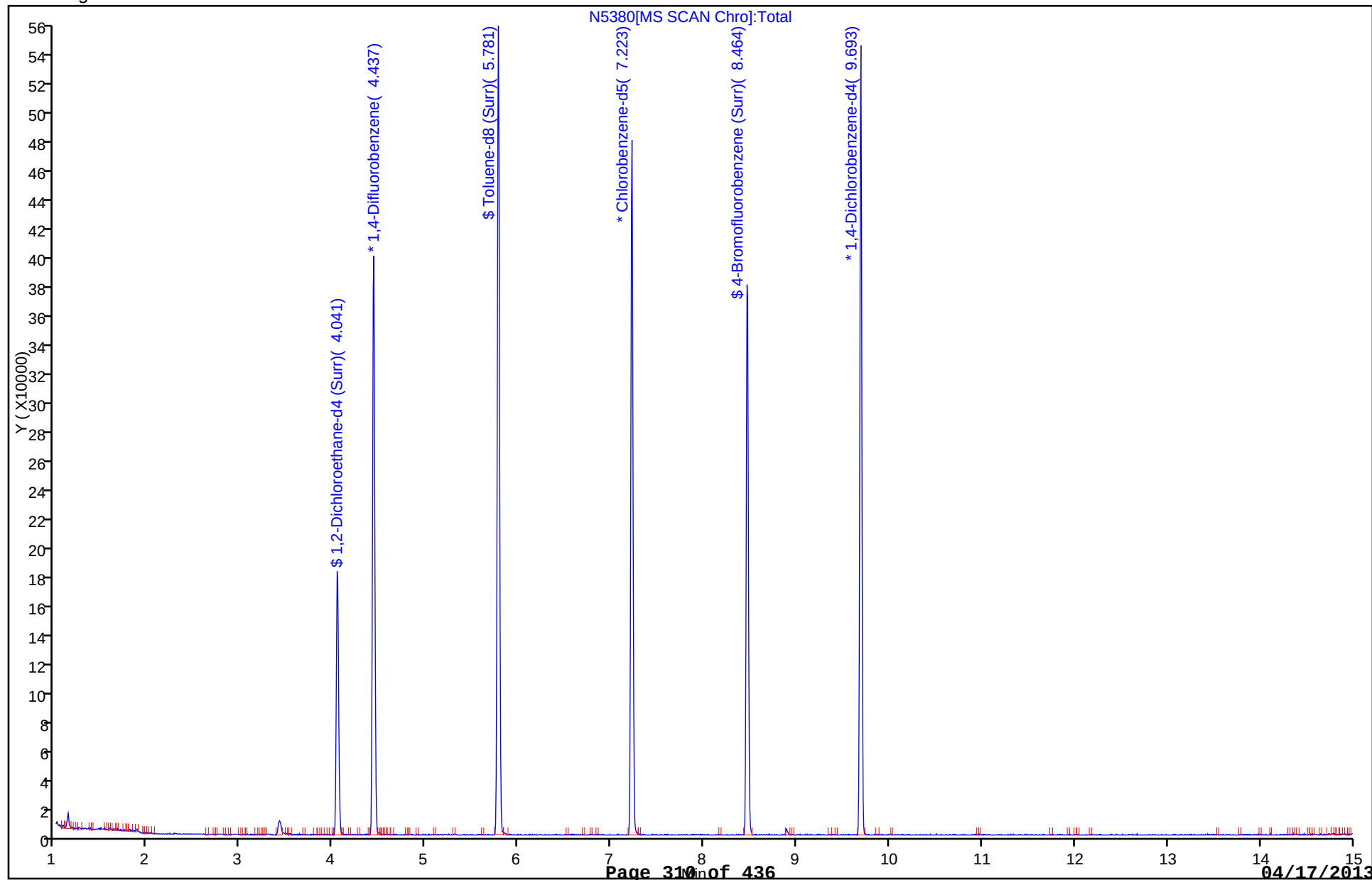
Operator ID: TF

Purge Vol: 5.000 mL

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.: 480-35528-1 Analy Batch No.: 107379

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 12:28 Calibration End Date: 03/14/2013 14:26 Calibration ID: 12635

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-107379/2	N4541.D
Level 2	IC 480-107379/3	N4542.D
Level 3	IC 480-107379/4	N4543.D
Level 4	ICIS 480-107379/5	N4544.D
Level 5	IC 480-107379/6	N4545.D
Level 6	IC 480-107379/7	N4546.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	0.1974 0.2359	0.2164	0.2176	0.2196	0.1976	Ave		0.2141				6.9		15.0			
Chloromethane	0.4010 0.3401	0.3464	0.3377	0.3240	0.2995	Ave		0.3415			0.1000	9.9		15.0			
Vinyl chloride	0.3167 0.3257	0.3176	0.3149	0.3020	0.2798	Ave		0.3094				5.3		30.0			
Bromomethane	0.4350 0.1286	0.1556	0.1225	0.1077	0.1024	Qua	0.4433	0.0689	0.0006						0.9990		0.9900
Chloroethane	0.2382 0.1739	0.1551	0.1406	0.1405	0.1373	Qua	0.2663	0.1017	0.0007						0.9990		0.9900
Trichlorofluoromethane	0.2349 0.3785	0.2959	0.3010	0.3171	0.3047	Ave		0.3054				15.0		15.0			
Acrolein	0.0200 0.0142	0.0152	0.0132	0.0134	0.0127	Lin1	0.1091	0.0135							0.9970		0.9900
1,1-Dichloroethene	0.2872 0.2454	0.2403	0.2286	0.2266	0.2129	Ave		0.2402				11.0		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1743 0.2330	0.2003	0.2100	0.2018	0.1977	Ave		0.2029				9.4		15.0			
Acetone	0.1387 0.1125	0.1148	0.1119	0.1059	0.1054	Ave		0.1149				11.0		15.0			
Iodomethane	0.3237 0.3548	0.3260	0.3352	0.3223	0.3196	Ave		0.3303				4.0		15.0			
Carbon disulfide	0.8648 0.9205	0.9106	0.9420	0.8933	0.8484	Ave		0.8966				3.9		15.0			
Acetonitrile	0.0325 0.0261	0.0280	0.0281	0.0258	0.0241	Ave		0.0274				11.0		15.0			
Methyl acetate	0.5784 0.4639	0.4773	0.4743	0.4650	0.4324	Ave		0.4819				10.0		15.0			
Methylene Chloride	0.4639 0.3569	0.3907	0.3631	0.3438	0.3238	Ave		0.3737				13.0		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.: 480-35528-1 Analy Batch No.: 107379

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 12:28 Calibration End Date: 03/14/2013 14:26 Calibration ID: 12635

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								
trans-1,2-Dichloroethene	0.3498 0.3444	0.3420	0.3397	0.3205	0.3118	Ave		0.3347				4.5		15.0			
Methyl tert-butyl ether	1.1101 1.0492	1.0909	1.1003	1.0354	0.9967	Ave		1.0638				4.1		15.0			
Acrylonitrile	0.1465 0.1347	0.1347	0.1360	0.1331	0.1240	Ave		0.1348				5.3		15.0			
1,1-Dichloroethane	0.6629 0.6275	0.6416	0.6286	0.5964	0.5744	Ave		0.6219			0.1000	5.1		15.0			
Vinyl acetate	0.6811 0.4371	0.6425	0.6489	0.5800	0.5017	Lin	9.5408	0.4305							0.9920		0.9900
2,2-Dichloropropane	0.4938 0.4389	0.4417	0.4330	0.4198	0.3977	Ave		0.4375				7.3		15.0			
cis-1,2-Dichloroethene	0.3675 0.3767	0.3613	0.3700	0.3543	0.3418	Ave		0.3620				3.4		15.0			
2-Butanone (MEK)	0.2650 0.1755	0.1801	0.1775	0.1741	0.1654	Lin1	0.4126	0.1708							0.9990		0.9900
Bromochloromethane	0.1940 0.1870	0.1746	0.1790	0.1698	0.1648	Ave		0.1782				6.1		15.0			
Tetrahydrofuran	0.1468 0.1187	0.1168	0.1150	0.1129	0.1087	Ave		0.1198				11.0		15.0			
Chloroform	0.7222 0.5802	0.5875	0.5952	0.5559	0.5291	Ave		0.5950				11.0		30.0			
1,1,1-Trichloroethane	0.4593 0.4951	0.4715	0.4812	0.4613	0.4375	Ave		0.4677				4.2		15.0			
Cyclohexane	0.5867 0.5897	0.5654	0.5688	0.5480	0.5197	Ave		0.5630				4.6		15.0			
Carbon tetrachloride	0.4036 0.4451	0.4099	0.4049	0.3991	0.3794	Ave		0.4070				5.3		15.0			
1,1-Dichloropropene	0.4226 0.4789	0.4597	0.4698	0.4462	0.4208	Ave		0.4497				5.4		15.0			
Benzene	1.4275 1.2643	1.4369	1.4192	1.3353	1.2328	Ave		1.3527				6.6		15.0			
1,2-Dichloroethane	0.4653 0.4700	0.4511	0.4515	0.4398	0.4268	Ave		0.4507				3.5		15.0			
Trichloroethene	0.3293 0.3510	0.3404	0.3420	0.3268	0.3137	Ave		0.3339				4.0		15.0			
Methylcyclohexane	0.5345 0.6110	0.5765	0.5822	0.5693	0.5347	Ave		0.5680				5.2		15.0			
1,2-Dichloropropane	0.3392 0.3596	0.3486	0.3367	0.3304	0.3155	Ave		0.3383				4.5		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.: 480-35528-1 Analy Batch No.: 107379

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 12:28 Calibration End Date: 03/14/2013 14:26 Calibration ID: 12635

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	0.2105 0.2053	0.1956	0.1920	0.1913	0.1811	Ave		0.1959				5.4		15.0			
Bromodichloromethane	0.4485 0.4609	0.4265	0.4343	0.4133	0.4061	Ave		0.4316				4.8		15.0			
2-Chloroethyl vinyl ether	0.2234 0.2025	0.2088	0.2157	0.2056	0.1917	Ave		0.2079				5.3		15.0			
cis-1,3-Dichloropropene	0.5018 0.5654	0.5452	0.5397	0.5306	0.5056	Ave		0.5314				4.6		15.0			
4-Methyl-2-pentanone (MIBK)	0.5428 0.3443	0.4447	0.4302	0.4015	0.3591	Lin1	1.4378	0.3548							0.9960		0.9900
Toluene	1.0290 0.9695	1.0414	0.9829	0.9715	0.9074	Ave		0.9836				4.9		30.0			
trans-1,3-Dichloropropene	0.5138 0.6074	0.5590	0.5498	0.5582	0.5239	Ave		0.5520				6.0		15.0			
Ethyl methacrylate	0.5150 0.5438	0.5217	0.5254	0.5175	0.4897	Ave		0.5188				3.4		15.0			
1,1,2-Trichloroethane	0.3094 0.2884	0.2759	0.2715	0.2650	0.2515	Ave		0.2769				7.2		15.0			
Tetrachloroethene	0.4516 0.4485	0.4393	0.4413	0.4176	0.3963	Ave		0.4324				4.9		15.0			
1,3-Dichloropropane	0.6146 0.5907	0.5819	0.5750	0.5473	0.5188	Ave		0.5714				5.9		15.0			
2-Hexanone	0.3270 0.2578	0.2948	0.2903	0.2784	0.2534	Ave		0.2836				9.5		15.0			
Dibromochloromethane	0.3189 0.3874	0.3280	0.3451	0.3394	0.3343	Ave		0.3422				7.0		15.0			
1,2-Dibromoethane	0.3512 0.3688	0.3276	0.3394	0.3341	0.3165	Ave		0.3396				5.4		15.0			
Chlorobenzene	1.1402 1.0204	1.1169	1.1132	1.0377	0.9745	Ave		1.0672			0.3000	6.2		15.0			
1,1,1,2-Tetrachloroethane	0.3795 0.3878	0.3806	0.3822	0.3762	0.3477	Ave		0.3757				3.8		15.0			
Ethylbenzene	1.9647 1.5242	1.8681	1.8079	1.7164	1.5453	Ave		1.7378				10.0		30.0			
m,p-Xylene	0.7882 0.6622	0.7619	0.7512	0.7127	0.6485	Ave		0.7208				7.8		15.0			
o-Xylene	0.8081 0.7343	0.7813	0.7617	0.7232	0.6906	Ave		0.7499				5.7		15.0			
Styrene	1.2922 1.1582	1.2514	1.2805	1.2052	1.1115	Ave		1.2165				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.: 480-35528-1 Analy Batch No.: 107379

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 12:28 Calibration End Date: 03/14/2013 14:26 Calibration ID: 12635

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	0.1829 0.2496	0.2080	0.2062	0.2150	0.2112	Ave		0.2121			0.1000	10.0		15.0			
Isopropylbenzene	3.5559 3.3604	3.5645	3.4794	3.3853	3.1606	Ave		3.4177				4.4		15.0			
Bromobenzene	0.8874 1.0090	0.8339	0.8625	0.8632	0.8397	Ave		0.8826				7.3		15.0			
1,1,2,2-Tetrachloroethane	0.8455 0.8730	0.8034	0.7924	0.8130	0.7521	Ave		0.8132			0.3000	5.2		15.0			
1,2,3-Trichloropropane	0.2100 0.2666	0.2493	0.2422	0.2396	0.2265	Ave		0.2390				8.1		15.0			
N-Propylbenzene	4.2406 3.6959	4.0104	3.9570	3.8380	3.5183	Ave		3.8767				6.5		15.0			
trans-1,4-Dichloro-2-butene	0.1774 0.2471	0.1987	0.2075	0.2112	0.2049	Ave		0.2078				11.0		15.0			
2-Chlorotoluene	0.8125 0.9098	0.7938	0.8097	0.8043	0.7803	Ave		0.8184				5.7		15.0			
1,3,5-Trimethylbenzene	3.1254 2.6982	2.9698	2.9519	2.8361	2.6249	Ave		2.8677				6.5		15.0			
4-Chlorotoluene	2.8526 2.6562	2.8148	2.7289	2.6098	2.4312	Ave		2.6822				5.7		15.0			
tert-Butylbenzene	0.6494 0.7044	0.6719	0.6764	0.6789	0.6310	Ave		0.6687				3.8		15.0			
1,2,4-Trimethylbenzene	3.1202 2.6922	3.0004	2.9593	2.8693	2.6345	Ave		2.8793				6.5		15.0			
sec-Butylbenzene	3.8322 3.2679	3.9696	3.7831	3.6638	3.2606	Ave		3.6295				8.3		15.0			
1,3-Dichlorobenzene	1.8772 1.7258	1.7910	1.7625	1.6879	1.5792	Ave		1.7373				5.8		15.0			
4-Isopropyltoluene	3.3504 2.7221	3.2681	3.1710	3.0797	2.7326	Ave		3.0540				8.8		15.0			
1,4-Dichlorobenzene	1.8571 1.7209	1.8164	1.7323	1.7289	1.6040	Ave		1.7433				5.0		15.0			
n-Butylbenzene	2.9195 2.4181	2.9641	2.8395	2.7613	2.4332	Ave		2.7226				8.8		15.0			
1,2-Dichlorobenzene	1.7737 1.4355	1.6829	1.6593	1.5933	1.4402	Ave		1.5975				8.5		15.0			
1,2-Dibromo-3-Chloropropane	0.0946 0.1124	0.1378	0.1318	0.1342	0.1083	Ave		0.1198				14.0		15.0			
1,2,4-Trichlorobenzene	1.1086 0.8156	1.0533	1.0785	1.0306	0.7982	Ave		0.9808				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 CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1 Analy Batch No.: 107379

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 12:28 Calibration End Date: 03/14/2013 14:26 Calibration ID: 12635

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	0.5049 0.4056	0.5082	0.4819	0.4514	0.3732	Ave		0.4542				12.0		15.0			
Naphthalene	2.6006 1.7431	2.5325	2.4592	2.3322	1.7685	Lin	6.2862	1.6920							0.9930		0.9900
1,2,3-Trichlorobenzene	1.0314 0.7020	0.9388	0.9530	0.8773	0.6949	Lin	1.9325	0.6835							0.9960		0.9900
1,2-Dichloroethane-d4 (Surr)	0.3529 0.3695	0.3436	0.3555	0.3482	0.3423	Ave		0.3520				2.8		15.0			
Toluene-d8 (Surr)	1.3021 1.4279	1.2945	1.3172	1.2935	1.2924	Ave		1.3213				4.0		15.0			
4-Bromofluorobenzene (Surr)	0.4438 0.4782	0.4549	0.4642	0.4533	0.4398	Ave		0.4557				3.1		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.: 480-35528-1 Analy Batch No.: 107379

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 12:28 Calibration End Date: 03/14/2013 14:26 Calibration ID: 12635

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-107379/2	N4541.D
Level 2	IC 480-107379/3	N4542.D
Level 3	IC 480-107379/4	N4543.D
Level 4	ICIS 480-107379/5	N4544.D
Level 5	IC 480-107379/6	N4545.D
Level 6	IC 480-107379/7	N4546.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	3099 355003	17293	34006	88828	160875	1.00 100	5.00	10.0	25.0	50.0
Chloromethane	DFB	Ave	6296 511689	27691	52769	131058	243815	1.00 100	5.00	10.0	25.0	50.0
Vinyl chloride	DFB	Ave	4972 489983	25384	49208	122131	227828	1.00 100	5.00	10.0	25.0	50.0
Bromomethane	DFB	Qua	6829 193483	12438	19147	43542	83396	1.00 100	5.00	10.0	25.0	50.0
Chloroethane	DFB	Qua	3739 261615	12396	21969	56822	111773	1.00 100	5.00	10.0	25.0	50.0
Trichlorofluoromethane	DFB	Ave	3688 569501	23649	47044	128250	248120	1.00 100	5.00	10.0	25.0	50.0
Acrolein	DFB	Lin1	6278 427564	24243	41314	108423	206019	20.0 2000	100	200	500	1000
1,1-Dichloroethene	DFB	Ave	4509 369246	19209	35723	91640	173351	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	DFB	Ave	2736 350613	16014	32820	81612	160959	1.00 100	5.00	10.0	25.0	50.0
Acetone	DFB	Ave	10890 846653	45877	87470	214180	428963	5.00 500	25.0	50.0	125	250
Iodomethane	DFB	Ave	5081 533873	26057	52391	130363	260214	1.00 100	5.00	10.0	25.0	50.0
Carbon disulfide	DFB	Ave	13577 1384905	72784	147222	361282	690813	1.00 100	5.00	10.0	25.0	50.0
Acetonitrile	DFB	Ave	20384 1569649	89542	175702	416927	786234	40.0 4000	200	400	1000	2000
Methyl acetate	DFB	Ave	9081 698041	38154	74128	188050	352030	1.00 100	5.00	10.0	25.0	50.0
Methylene Chloride	DFB	Ave	7282 536986	31225	56747	139033	263614	1.00 100	5.00	10.0	25.0	50.0
trans-1,2-Dichloroethene	DFB	Ave	5492 518108	27339	53095	129614	253830	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.: 480-35528-1 Analy Batch No.: 107379

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 12:28 Calibration End Date: 03/14/2013 14:26 Calibration ID: 12635

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
Methyl tert-butyl ether	DFB	Ave	17428 1578635	87197	171950	418775	811525	1.00 100	5.00	10.0	25.0	50.0
Acrylonitrile	DFB	Ave	11496 1013553	53820	106259	269250	504881	5.00 500	25.0	50.0	125	250
1,1-Dichloroethane	DFB	Ave	10407 944077	51287	98237	241219	467681	1.00 100	5.00	10.0	25.0	50.0
Vinyl acetate	DFB	Lin	53467 3287889	256795	507075	1172879	2042296	5.00 500	25.0	50.0	125	250
2,2-Dichloropropane	DFB	Ave	7752 660285	35302	67676	169763	323835	1.00 100	5.00	10.0	25.0	50.0
cis-1,2-Dichloroethene	DFB	Ave	5770 566835	28879	57828	143307	278331	1.00 100	5.00	10.0	25.0	50.0
2-Butanone (MEK)	DFB	Lin1	20805 1320299	71983	138733	352042	673269	5.00 500	25.0	50.0	125	250
Bromochloromethane	DFB	Ave	3046 281329	13955	27975	68682	134159	1.00 100	5.00	10.0	25.0	50.0
Tetrahydrofuran	DFB	Ave	11524 892760	46676	89835	228405	442719	5.00 500	25.0	50.0	125	250
Chloroform	DFB	Ave	11338 873011	46956	93025	224822	430830	1.00 100	5.00	10.0	25.0	50.0
1,1,1-Trichloroethane	DFB	Ave	7210 744850	37690	75202	186587	356212	1.00 100	5.00	10.0	25.0	50.0
Cyclohexane	DFB	Ave	9210 887180	45192	88891	221628	423115	1.00 100	5.00	10.0	25.0	50.0
Carbon tetrachloride	DFB	Ave	6336 669659	32765	63275	161429	308921	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloropropene	DFB	Ave	6634 720586	36744	73416	180452	342603	1.00 100	5.00	10.0	25.0	50.0
Benzene	DFB	Ave	22410 1902189	114850	221786	540062	1003750	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane	DFB	Ave	7304 707127	36054	70561	177879	347515	1.00 100	5.00	10.0	25.0	50.0
Trichloroethene	DFB	Ave	5169 528154	27207	53441	132176	255454	1.00 100	5.00	10.0	25.0	50.0
Methylcyclohexane	DFB	Ave	8391 919245	46082	90991	230253	435368	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloropropane	DFB	Ave	5325 541080	27860	52617	133632	256907	1.00 100	5.00	10.0	25.0	50.0
Dibromomethane	DFB	Ave	3304 308832	15633	30005	77361	147422	1.00 100	5.00	10.0	25.0	50.0
Bromodichloromethane	DFB	Ave	7041 693400	34089	67872	167137	330652	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.: 480-35528-1 Analy Batch No.: 107379

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 12:28 Calibration End Date: 03/14/2013 14:26 Calibration ID: 12635

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	Ave	17532 1523406	83449	168510	415697	780353	5.00 500	25.0	50.0	125	250
cis-1,3-Dichloropropene	DFB	Ave	7877 850655	43575	84349	214600	411622	1.00 100	5.00	10.0	25.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Lin1	35742 2227479	148921	287881	696248	1253475	5.00 500	25.0	50.0	125	250
Toluene	CBZ	Ave	13551 1254569	69744	131559	336928	633545	1.00 100	5.00	10.0	25.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	6766 785934	37433	73589	193572	365799	1.00 100	5.00	10.0	25.0	50.0
Ethyl methacrylate	CBZ	Ave	6782 703616	34938	70315	179472	341923	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	4075 373149	18476	36335	91903	175568	1.00 100	5.00	10.0	25.0	50.0
Tetrachloroethene	CBZ	Ave	5947 580325	29419	59058	144827	276669	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichloropropane	CBZ	Ave	8094 764401	38971	76959	189797	362236	1.00 100	5.00	10.0	25.0	50.0
2-Hexanone	CBZ	Ave	21528 1668046	98718	194281	482752	884578	5.00 500	25.0	50.0	125	250
Dibromochloromethane	CBZ	Ave	4199 501242	21964	46190	117707	233431	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromoethane	CBZ	Ave	4625 477176	21939	45420	115875	220952	1.00 100	5.00	10.0	25.0	50.0
Chlorobenzene	CBZ	Ave	15015 1320443	74801	148997	359879	680375	1.00 100	5.00	10.0	25.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	4998 501827	25488	51150	130470	242791	1.00 100	5.00	10.0	25.0	50.0
Ethylbenzene	CBZ	Ave	25872 1972303	125106	241977	595233	1078893	1.00 100	5.00	10.0	25.0	50.0
m,p-Xylene	CBZ	Ave	20758 1713857	102047	201078	494326	905490	2.00 200	10.0	20.0	50.0	100
o-Xylene	CBZ	Ave	10642 950128	52323	101951	250810	482141	1.00 100	5.00	10.0	25.0	50.0
Styrene	CBZ	Ave	17017 1498716	83808	171390	417981	776024	1.00 100	5.00	10.0	25.0	50.0
Bromoform	CBZ	Ave	2408 322993	13933	27597	74551	147429	1.00 100	5.00	10.0	25.0	50.0
Isopropylbenzene	DCB	Ave	26539 2067679	135758	261273	637539	1149394	1.00 100	5.00	10.0	25.0	50.0
Bromobenzene	DCB	Ave	6623 620816	31760	64764	162556	305369	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.: 480-35528-1 Analy Batch No.: 107379

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 12:28 Calibration End Date: 03/14/2013 14:26 Calibration ID: 12635

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	6310 537183	30600	59502	153115	273517	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichloropropane	DCB	Ave	1567 164050	9494	18186	45114	82367	1.00 100	5.00	10.0	25.0	50.0
N-Propylbenzene	DCB	Ave	31649 2274095	152740	297139	722790	1279478	1.00 100	5.00	10.0	25.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	6620 760060	37830	77899	198889	372497	5.00 500	25.0	50.0	125	250
2-Chlorotoluene	DCB	Ave	6064 559788	30234	60803	151474	283761	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	23326 1660198	113109	221662	534115	954574	1.00 100	5.00	10.0	25.0	50.0
4-Chlorotoluene	DCB	Ave	21290 1634351	107203	204921	491494	884121	1.00 100	5.00	10.0	25.0	50.0
tert-Butylbenzene	DCB	Ave	4847 433400	25589	50792	127854	229488	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	23287 1656513	114274	222217	540357	958060	1.00 100	5.00	10.0	25.0	50.0
sec-Butylbenzene	DCB	Ave	28601 2010780	151185	284083	689987	1185768	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichlorobenzene	DCB	Ave	14010 1061897	68211	132348	317881	574311	1.00 100	5.00	10.0	25.0	50.0
4-Isopropyltoluene	DCB	Ave	25005 1674955	124468	238114	579987	993742	1.00 100	5.00	10.0	25.0	50.0
1,4-Dichlorobenzene	DCB	Ave	13860 1058901	69179	130080	325588	583319	1.00 100	5.00	10.0	25.0	50.0
n-Butylbenzene	DCB	Ave	21789 1487896	112892	213225	520026	884878	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichlorobenzene	DCB	Ave	13238 883266	64096	124599	300055	523746	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	706 69180	5248	9900	25264	39367	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	8274 501865	40116	80985	194092	290285	1.00 100	5.00	10.0	25.0	50.0
Hexachlorobutadiene	DCB	Ave	3768 249597	19356	36185	85018	135716	1.00 100	5.00	10.0	25.0	50.0
Naphthalene	DCB	Lin	19409 1072559	96452	184667	439216	643131	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichlorobenzene	DCB	Lin	7698 431969	35756	71559	165223	252719	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane-d4 (Surr)	DFB	Ave	138494 138977	137322	138912	140831	139359	25.0 25.0	25.0	25.0	25.0	25.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1 Analy Batch No.: 107379

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2013 12:28 Calibration End Date: 03/14/2013 14:26 Calibration ID: 12635

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	428671 461919	433462	440728	448600	451176	25.0 25.0	25.0	25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	146112 154698	152327	155328	157213	153519	25.0 25.0	25.0	25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4541.D
 Lims ID: IC Client ID:
 Inject. Date: 14-Mar-2013 12:28:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: IC
 Misc. Info.: 480-0019665-002
 Operator: LH Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 36
 Lims Batch ID: 107379 Lims Sample ID: 2
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N-8260.m
 Last Update: 14-Mar-2013 20:18:56 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK001

First Level Reviewer: larsonr

Date: 14-Mar-2013 20:18:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	-0.001	90	392476	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	87	329216	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	186583	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	89	138494	25.1	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	81	428671	24.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.464	0.006	91	146112	24.3	
11 Dichlorodifluoromethane	85	0.902	0.908	-0.006	26	3099	0.9221	
13 Chloromethane	50	0.987	0.987	0.0	45	6296	1.17	
14 Vinyl chloride	62	1.054	1.054	0.0	43	4972	1.02	
15 Bromomethane	94	1.243	1.243	0.0	76	6829	-0.1204	
16 Chloroethane	64	1.303	1.304	-0.001	40	3739	-0.2775	
18 Trichlorofluoromethane	101	1.462	1.450	0.012	32	3688	0.7693	
20 Acrolein	56	1.778	1.778	0.0	84	6278	21.5	
22 1,1-Dichloroethene	96	1.802	1.809	-0.007	67	4509	1.20	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.802	1.821	-0.019	1	2736	0.8591	
23 Acetone	43	1.906	1.906	0.0	66	10890	6.04	
24 Iodomethane	142	1.918	1.924	-0.006	73	5081	0.9799	
25 Carbon disulfide	76	1.954	1.955	-0.001	95	13577	0.9646	
29 Acetonitrile	40	2.161	2.155	0.006	100	20384	47.3	
28 Methyl acetate	43	2.161	2.161	0.0	47	9081	1.20	
30 Methylene Chloride	84	2.228	2.228	0.0	72	7282	1.24	
32 Methyl tert-butyl ether	73	2.441	2.435	0.006	83	17428	1.04	
33 trans-1,2-Dichloroethene	96	2.435	2.435	0.0	73	5492	1.05	
34 Acrylonitrile	53	2.484	2.478	0.006	88	11496	5.43	
36 1,1-Dichloroethane	63	2.800	2.806	-0.006	20	10407	1.07	
39 Vinyl acetate	43	2.873	2.867	0.006	95	53467	-14.3	
42 2,2-Dichloropropane	77	3.287	3.281	0.006	34	7752	1.13	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	32	5770	1.02	
44 2-Butanone (MEK)	43	3.390	3.366	0.024	90	20805	5.34	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
47 Chlorobromomethane	128	3.524	3.530	-0.006	63	3046	1.09	
49 Tetrahydrofuran	42	3.597	3.561	0.036	79	11524	6.13	
50 Chloroform	83	3.615	3.615	0.0	51	11338	1.21	
51 1,1,1-Trichloroethane	97	3.719	3.713	0.006	50	7210	0.9821	
52 Cyclohexane	56	3.713	3.719	-0.006	61	9210	1.04	
53 Carbon tetrachloride	117	3.840	3.841	0.0	64	6336	0.99	
54 1,1-Dichloropropene	75	3.865	3.859	0.006	51	6634	0.9398	
55 Benzene	78	4.047	4.047	0.0	43	22410	1.06	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	57	7304	1.03	
60 Trichloroethene	95	4.649	4.644	0.005	56	5169	0.9862	
62 Methylcyclohexane	83	4.759	4.753	0.006	60	8391	0.9409	
63 1,2-Dichloropropane	63	4.868	4.869	-0.001	53	5325	1.00	
64 Dibromomethane	93	4.990	4.996	-0.006	74	3304	1.07	
67 Dichlorobromomethane	83	5.160	5.161	-0.001	62	7041	1.04	
69 2-Chloroethyl vinyl ether	63	5.459	5.453	0.006	79	17532	5.37	
71 cis-1,3-Dichloropropene	75	5.568	5.568	0.0	58	7877	0.9443	
72 4-Methyl-2-pentanone (MIBK)	43	5.744	5.733	0.012	87	35742	3.60	
73 Toluene	92	5.848	5.842	0.006	81	13551	1.05	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	50	6766	0.9308	
77 Ethyl methacrylate	69	6.219	6.213	0.006	59	6782	0.99	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	24	4075	1.12	
79 Tetrachloroethene	166	6.365	6.359	0.006	66	5947	1.04	
80 1,3-Dichloropropane	76	6.462	6.463	-0.001	64	8094	1.08	
82 2-Hexanone	43	6.572	6.560	0.012	91	21528	5.76	
83 Chlorodibromomethane	129	6.687	6.688	-0.001	31	4199	0.9319	
84 Ethylene Dibromide	107	6.773	6.767	0.006	40	4625	1.03	
85 Chlorobenzene	112	7.247	7.247	0.0	80	15015	1.07	
88 Ethylbenzene	91	7.357	7.357	0.0	78	25872	1.13	
89 1,1,1,2-Tetrachloroethane	131	7.357	7.357	0.0	10	4998	1.01	
90 m-Xylene & p-Xylene	106	7.484	7.485	-0.001	97	20758	2.19	
91 o-Xylene	106	7.892	7.892	0.0	76	10642	1.08	
92 Styrene	104	7.928	7.929	-0.001	58	17017	1.06	
93 Bromoform	173	8.141	8.148	-0.007	20	2408	0.8620	
95 Isopropylbenzene	105	8.281	8.282	-0.001	71	26539	1.04	
97 Bromobenzene	156	8.604	8.604	0.0	63	6623	1.01	
98 1,1,2,2-Tetrachloroethane	83	8.701	8.701	0.0	24	6310	1.04	
99 1,2,3-Trichloropropane	110	8.719	8.713	0.006	18	1567	0.8784	
100 N-Propylbenzene	91	8.725	8.726	-0.001	82	31649	1.09	
101 trans-1,4-Dichloro-2-butene	53	8.750	8.750	0.0	70	6620	4.27	
102 2-Chlorotoluene	126	8.811	8.811	0.0	72	6064	0.99	
104 1,3,5-Trimethylbenzene	105	8.926	8.926	0.0	79	23326	1.09	
105 4-Chlorotoluene	91	8.938	8.932	0.006	71	21290	1.06	
106 tert-Butylbenzene	134	9.267	9.261	0.006	67	4847	0.9712	
108 1,2,4-Trimethylbenzene	105	9.322	9.322	0.0	67	23287	1.08	
109 sec-Butylbenzene	105	9.498	9.498	0.0	66	28601	1.06	
110 1,3-Dichlorobenzene	146	9.620	9.614	0.006	66	14010	1.08	
111 4-Isopropyltoluene	119	9.662	9.662	0.0	81	25005	1.10	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	63	13860	1.07	
115 n-Butylbenzene	91	10.076	10.076	0.0	83	21789	1.07	
116 1,2-Dichlorobenzene	146	10.088	10.082	0.006	66	13238	1.11	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	1	706	0.7893	
119 1,2,4-Trichlorobenzene	180	11.560	11.561	-0.001	56	8274	1.13	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	11.694	11.700	-0.006	43	3768	1.11	
121 Naphthalene	128	11.767	11.767	0.0	63	19409	-2.18	
122 1,2,3-Trichlorobenzene	180	11.980	11.980	0.0	47	7698	-1.32	
S 123 1,3-Dichloropropene, Total	1				0		1.88	
S 124 1,2-Dichloroethene, Total	1				0		2.06	
S 125 Total BTEX	1				0		6.50	
S 126 Xylenes, Total	1				0		3.26	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4541.D

Injection Date: 14-Mar-2013 12:28:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 107379

Lims Sample ID: 2

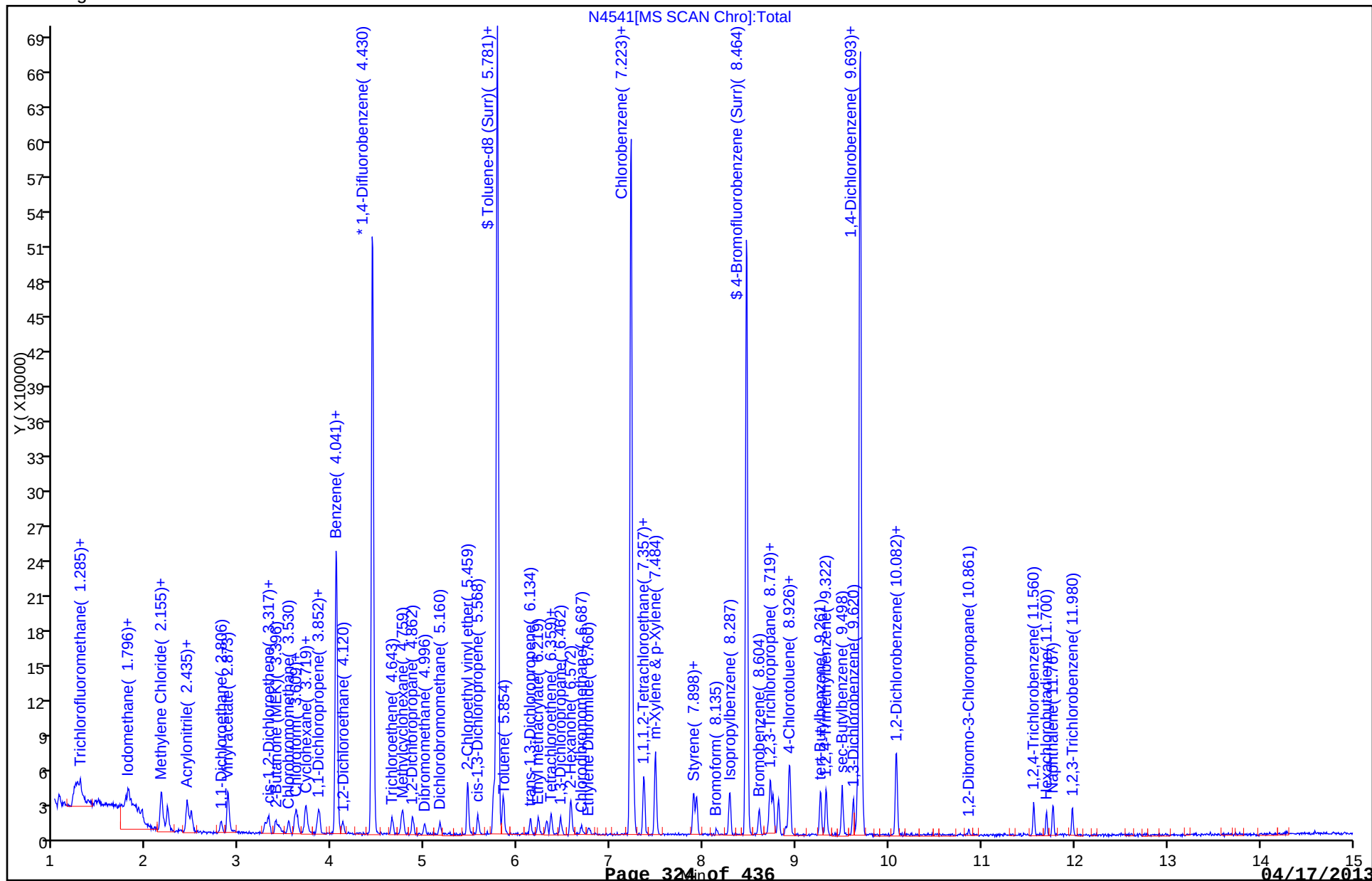
Operator ID: LH

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4542.D
 Lims ID: IC 2 Client ID:
 Inject. Date: 14-Mar-2013 12:51:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: IC 2
 Misc. Info.: 480-0019665-003
 Operator: LH Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 37
 Lims Batch ID: 107379 Lims Sample ID: 3
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N-8260.m
 Last Update: 14-Mar-2013 20:19:40 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK001

First Level Reviewer: larsonr

Date: 14-Mar-2013 20:19:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	399651	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	87	334851	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	92	190430	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	92	137322	24.4	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	81	433462	24.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.464	8.464	0.0	89	152327	25.0	
11 Dichlorodifluoromethane	85	0.908	0.908	0.0	73	17293	5.05	
13 Chloromethane	50	0.987	0.987	0.0	100	27691	5.07	
14 Vinyl chloride	62	1.054	1.054	0.0	89	25384	5.13	
15 Bromomethane	94	1.243	1.243	0.0	90	12438	4.68	
16 Chloroethane	64	1.304	1.304	0.0	80	12396	4.85	
18 Trichlorofluoromethane	101	1.444	1.450	-0.006	82	23649	4.84	
20 Acrolein	56	1.778	1.778	0.0	87	24243	104.0	
22 1,1-Dichloroethene	96	1.809	1.809	0.0	93	19209	5.00	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.815	1.821	-0.006	76	16014	4.94	
23 Acetone	43	1.912	1.906	0.006	90	45877	25.0	
24 Iodomethane	142	1.924	1.924	0.0	97	26057	4.94	
25 Carbon disulfide	76	1.955	1.955	0.0	98	72784	5.08	
29 Acetonitrile	40	2.155	2.155	0.0	99	89542	204.2	
28 Methyl acetate	43	2.161	2.161	0.0	92	38154	4.95	
30 Methylene Chloride	84	2.228	2.228	0.0	81	31225	5.23	
32 Methyl tert-butyl ether	73	2.441	2.435	0.006	89	87197	5.13	
33 trans-1,2-Dichloroethene	96	2.435	2.435	0.0	92	27339	5.11	
34 Acrylonitrile	53	2.478	2.478	0.0	97	53820	25.0	
36 1,1-Dichloroethane	63	2.806	2.806	0.0	90	51287	5.16	
39 Vinyl acetate	43	2.873	2.867	0.006	97	256795	15.2	
42 2,2-Dichloropropane	77	3.281	3.281	0.0	76	35302	5.05	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	61	28879	4.99	
44 2-Butanone (MEK)	43	3.378	3.366	0.012	100	71983	24.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
47 Chlorobromomethane	128	3.524	3.530	-0.006	89	13955	4.90	
49 Tetrahydrofuran	42	3.579	3.561	0.018	84	46676	24.4	
50 Chloroform	83	3.615	3.615	0.0	79	46956	4.94	
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	90	37690	5.04	
52 Cyclohexane	56	3.725	3.719	0.006	90	45192	5.02	
53 Carbon tetrachloride	117	3.840	3.841	0.0	81	32765	5.04	
54 1,1-Dichloropropene	75	3.859	3.859	0.0	84	36744	5.11	
55 Benzene	78	4.047	4.047	0.0	84	114850	5.31	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	91	36054	5.00	
60 Trichloroethene	95	4.643	4.644	-0.001	92	27207	5.10	
62 Methylcyclohexane	83	4.753	4.753	0.0	86	46082	5.07	
63 1,2-Dichloropropane	63	4.869	4.869	0.0	85	27860	5.15	
64 Dibromomethane	93	4.990	4.996	-0.006	80	15633	4.99	
67 Dichlorobromomethane	83	5.161	5.161	0.0	86	34089	4.94	
69 2-Chloroethyl vinyl ether	63	5.459	5.453	0.006	94	83449	25.1	
71 cis-1,3-Dichloropropene	75	5.568	5.568	0.0	77	43575	5.13	
72 4-Methyl-2-pentanone (MIBK)	43	5.732	5.733	0.0	97	148921	27.3	
73 Toluene	92	5.842	5.842	0.0	90	69744	5.29	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	90	37433	5.06	
77 Ethyl methacrylate	69	6.219	6.213	0.006	85	34938	5.03	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	85	18476	4.98	
79 Tetrachloroethene	166	6.359	6.359	0.0	95	29419	5.08	
80 1,3-Dichloropropane	76	6.462	6.463	-0.001	87	38971	5.09	
82 2-Hexanone	43	6.566	6.560	0.006	95	98718	26.0	
83 Chlorodibromomethane	129	6.688	6.688	0.0	76	21964	4.79	
84 Ethylene Dibromide	107	6.767	6.767	0.0	80	21939	4.82	
85 Chlorobenzene	112	7.247	7.247	0.0	90	74801	5.23	
88 Ethylbenzene	91	7.363	7.357	0.006	97	125106	5.38	
89 1,1,1,2-Tetrachloroethane	131	7.357	7.357	0.0	84	25488	5.07	
90 m-Xylene & p-Xylene	106	7.485	7.485	-0.001	99	102047	10.6	
91 o-Xylene	106	7.892	7.892	0.0	96	52323	5.21	
92 Styrene	104	7.929	7.929	0.0	89	83808	5.14	
93 Bromoform	173	8.148	8.148	0.0	77	13933	4.90	
95 Isopropylbenzene	105	8.281	8.282	-0.001	93	135758	5.21	
97 Bromobenzene	156	8.598	8.604	-0.006	90	31760	4.72	
98 1,1,2,2-Tetrachloroethane	83	8.701	8.701	0.0	87	30600	4.94	
99 1,2,3-Trichloropropane	110	8.713	8.713	0.0	51	9494	5.21	
100 N-Propylbenzene	91	8.726	8.726	0.0	97	152740	5.17	
101 trans-1,4-Dichloro-2-butene	53	8.750	8.750	0.0	90	37830	23.9	
102 2-Chlorotoluene	126	8.811	8.811	0.0	94	30234	4.85	
104 1,3,5-Trimethylbenzene	105	8.920	8.926	-0.006	91	113109	5.18	
105 4-Chlorotoluene	91	8.932	8.932	0.0	98	107203	5.25	
106 tert-Butylbenzene	134	9.261	9.261	0.0	88	25589	5.02	
108 1,2,4-Trimethylbenzene	105	9.322	9.322	0.0	90	114274	5.21	
109 sec-Butylbenzene	105	9.498	9.498	0.0	90	151185	5.47	
110 1,3-Dichlorobenzene	146	9.614	9.614	0.0	96	68211	5.15	
111 4-Isopropyltoluene	119	9.662	9.662	0.0	90	124468	5.35	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	93	69179	5.21	
115 n-Butylbenzene	91	10.076	10.076	0.0	94	112892	5.44	
116 1,2-Dichlorobenzene	146	10.082	10.082	0.0	94	64096	5.27	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	49	5248	5.75	
119 1,2,4-Trichlorobenzene	180	11.561	11.561	-0.001	89	40116	5.37	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	11.700	11.700	0.0	87	19356	5.59	
121 Naphthalene	128	11.767	11.767	0.0	95	96452	3.77	
122 1,2,3-Trichlorobenzene	180	11.980	11.980	0.0	93	35756	4.04	
S 123 1,3-Dichloropropene, Total	1				0		10.2	
S 124 1,2-Dichloroethene, Total	1				0		10.1	
S 125 Total BTEX	1				0		31.8	
S 126 Xylenes, Total	1				0		15.8	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4542.D

Injection Date: 14-Mar-2013 12:51:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 107379

Lims Sample ID: 3

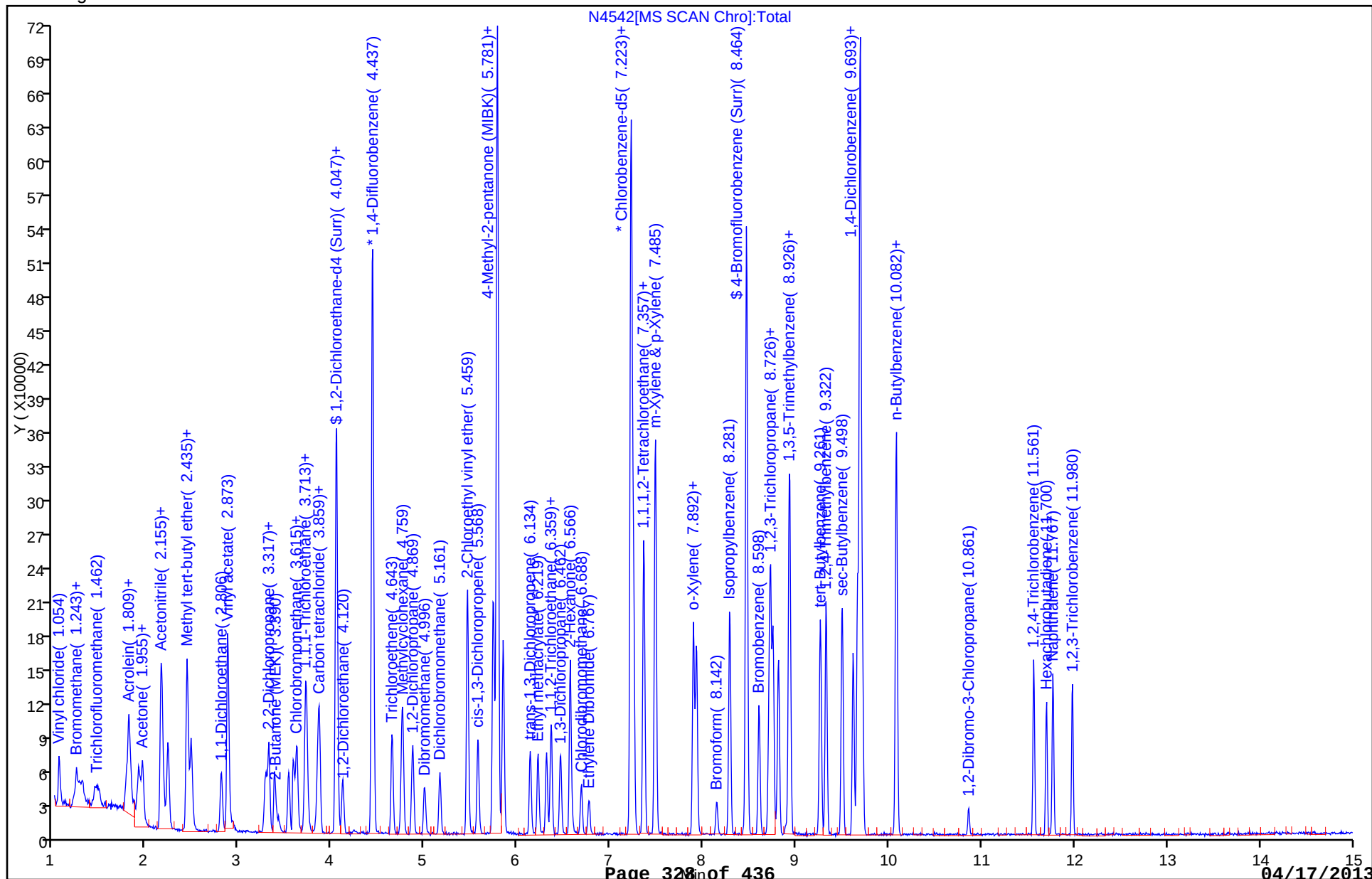
Operator ID: LH

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4543.D
 Lims ID: IC 3 Client ID:
 Inject. Date: 14-Mar-2013 13:15:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: IC 3
 Misc. Info.: 480-0019665-004
 Operator: LH Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 38
 Lims Batch ID: 107379 Lims Sample ID: 4
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N-8260.m
 Last Update: 14-Mar-2013 20:20:18 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK001

First Level Reviewer: larsonr

Date: 14-Mar-2013 20:20:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.436	4.437	-0.001	92	390699	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	84	334605	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	88	187730	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	89	138912	25.3	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	81	440728	24.9	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.464	0.006	93	155328	25.5	
11 Dichlorodifluoromethane	85	0.902	0.908	-0.006	91	34006	10.2	
13 Chloromethane	50	0.987	0.987	0.0	89	52769	9.89	
14 Vinyl chloride	62	1.054	1.054	0.0	96	49208	10.2	
15 Bromomethane	94	1.243	1.243	0.0	89	19147	10.5	
16 Chloroethane	64	1.303	1.304	-0.001	83	21969	10.5	
18 Trichlorofluoromethane	101	1.443	1.450	-0.007	89	47044	9.86	
20 Acrolein	56	1.778	1.778	0.0	87	41314	187.4	
22 1,1-Dichloroethene	96	1.802	1.809	-0.007	90	35723	9.52	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.814	1.821	-0.007	60	32820	10.4	
23 Acetone	43	1.906	1.906	0.0	93	87470	48.7	
24 Iodomethane	142	1.924	1.924	0.0	95	52391	10.2	
25 Carbon disulfide	76	1.954	1.955	-0.001	98	147222	10.5	
29 Acetonitrile	40	2.155	2.155	0.0	100	175702	409.9	
28 Methyl acetate	43	2.161	2.161	0.0	96	74128	9.84	
30 Methylene Chloride	84	2.228	2.228	0.0	90	56747	9.72	
32 Methyl tert-butyl ether	73	2.441	2.435	0.006	90	171950	10.3	
33 trans-1,2-Dichloroethene	96	2.429	2.435	-0.006	96	53095	10.2	
34 Acrylonitrile	53	2.478	2.478	0.0	95	106259	50.4	
36 1,1-Dichloroethane	63	2.806	2.806	0.0	94	98237	10.1	
39 Vinyl acetate	43	2.873	2.867	0.006	97	507075	53.2	
42 2,2-Dichloropropane	77	3.281	3.281	0.0	85	67676	9.90	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	77	57828	10.2	
44 2-Butanone (MEK)	43	3.372	3.366	0.006	98	138733	49.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
47 Chlorobromomethane	128	3.530	3.530	0.0	95	27975	10.0	
49 Tetrahydrofuran	42	3.573	3.561	0.012	85	89835	48.0	
50 Chloroform	83	3.615	3.615	0.0	76	93025	10.0	
51 1,1,1-Trichloroethane	97	3.713	3.713	-0.001	95	75202	10.3	
52 Cyclohexane	56	3.719	3.719	0.0	91	88891	10.1	
53 Carbon tetrachloride	117	3.846	3.841	0.006	91	63275	9.95	
54 1,1-Dichloropropene	75	3.859	3.859	-0.001	90	73416	10.4	
55 Benzene	78	4.047	4.047	0.0	93	221786	10.5	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	97	70561	10.0	
60 Trichloroethene	95	4.643	4.644	-0.001	92	53441	10.2	
62 Methylcyclohexane	83	4.759	4.753	0.006	91	90991	10.2	
63 1,2-Dichloropropane	63	4.862	4.869	-0.007	90	52617	9.95	
64 Dibromomethane	93	4.996	4.996	0.0	81	30005	9.80	
67 Dichlorobromomethane	83	5.160	5.161	-0.001	87	67872	10.1	
69 2-Chloroethyl vinyl ether	63	5.458	5.453	0.005	94	168510	51.9	
71 cis-1,3-Dichloropropene	75	5.568	5.568	0.0	85	84349	10.2	
72 4-Methyl-2-pentanone (MIBK)	43	5.732	5.733	0.0	97	287881	56.6	
73 Toluene	92	5.842	5.842	0.0	92	131559	10.0	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	96	73589	9.96	
77 Ethyl methacrylate	69	6.219	6.213	0.006	88	70315	10.1	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	92	36335	9.80	
79 Tetrachloroethene	166	6.359	6.359	0.0	91	59058	10.2	
80 1,3-Dichloropropane	76	6.462	6.463	-0.001	93	76959	10.1	
82 2-Hexanone	43	6.566	6.560	0.006	93	194281	51.2	
83 Chlorodibromomethane	129	6.687	6.688	-0.001	84	46190	10.1	
84 Ethylene Dibromide	107	6.766	6.767	-0.001	94	45420	10.0	
85 Chlorobenzene	112	7.253	7.247	0.006	93	148997	10.4	
88 Ethylbenzene	91	7.363	7.357	0.006	98	241977	10.4	
89 1,1,1,2-Tetrachloroethane	131	7.357	7.357	0.0	84	51150	10.2	
90 m-Xylene & p-Xylene	106	7.484	7.485	-0.001	98	201078	20.8	
91 o-Xylene	106	7.892	7.892	0.0	95	101951	10.2	
92 Styrene	104	7.928	7.929	-0.001	96	171390	10.5	
93 Bromoform	173	8.147	8.148	-0.001	92	27597	9.72	
95 Isopropylbenzene	105	8.287	8.282	0.005	95	261273	10.2	
97 Bromobenzene	156	8.604	8.604	0.0	92	64764	9.77	
98 1,1,2,2-Tetrachloroethane	83	8.701	8.701	0.0	94	59502	9.74	
99 1,2,3-Trichloropropane	110	8.719	8.713	0.006	69	18186	10.1	
100 N-Propylbenzene	91	8.725	8.726	-0.001	97	297139	10.2	
101 trans-1,4-Dichloro-2-butene	53	8.750	8.750	0.0	88	77899	49.9	
102 2-Chlorotoluene	126	8.811	8.811	0.0	96	60803	9.89	
104 1,3,5-Trimethylbenzene	105	8.926	8.926	0.0	91	221662	10.3	
105 4-Chlorotoluene	91	8.932	8.932	0.0	98	204921	10.2	
106 tert-Butylbenzene	134	9.261	9.261	0.0	89	50792	10.1	
108 1,2,4-Trimethylbenzene	105	9.322	9.322	0.0	90	222217	10.3	
109 sec-Butylbenzene	105	9.498	9.498	0.0	92	284083	10.4	
110 1,3-Dichlorobenzene	146	9.614	9.614	0.0	97	132348	10.1	
111 4-Isopropyltoluene	119	9.662	9.662	0.0	88	238114	10.4	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	81	130080	9.94	
115 n-Butylbenzene	91	10.076	10.076	0.0	95	213225	10.4	
116 1,2-Dichlorobenzene	146	10.088	10.082	0.006	97	124599	10.4	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	60	9900	11.0	
119 1,2,4-Trichlorobenzene	180	11.560	11.561	-0.001	93	80985	11.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	11.700	11.700	0.0	94	36185	10.6	
121 Naphthalene	128	11.767	11.767	0.0	97	184667	10.8	
122 1,2,3-Trichlorobenzene	180	11.980	11.980	0.0	96	71559	11.1	
S 123 1,3-Dichloropropene, Total	1				0		20.1	
S 124 1,2-Dichloroethene, Total	1				0		20.4	
S 125 Total BTEX	1				0		61.9	
S 126 Xylenes, Total	1				0		31.0	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4543.D

Injection Date: 14-Mar-2013 13:15:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 107379

Lims Sample ID: 4

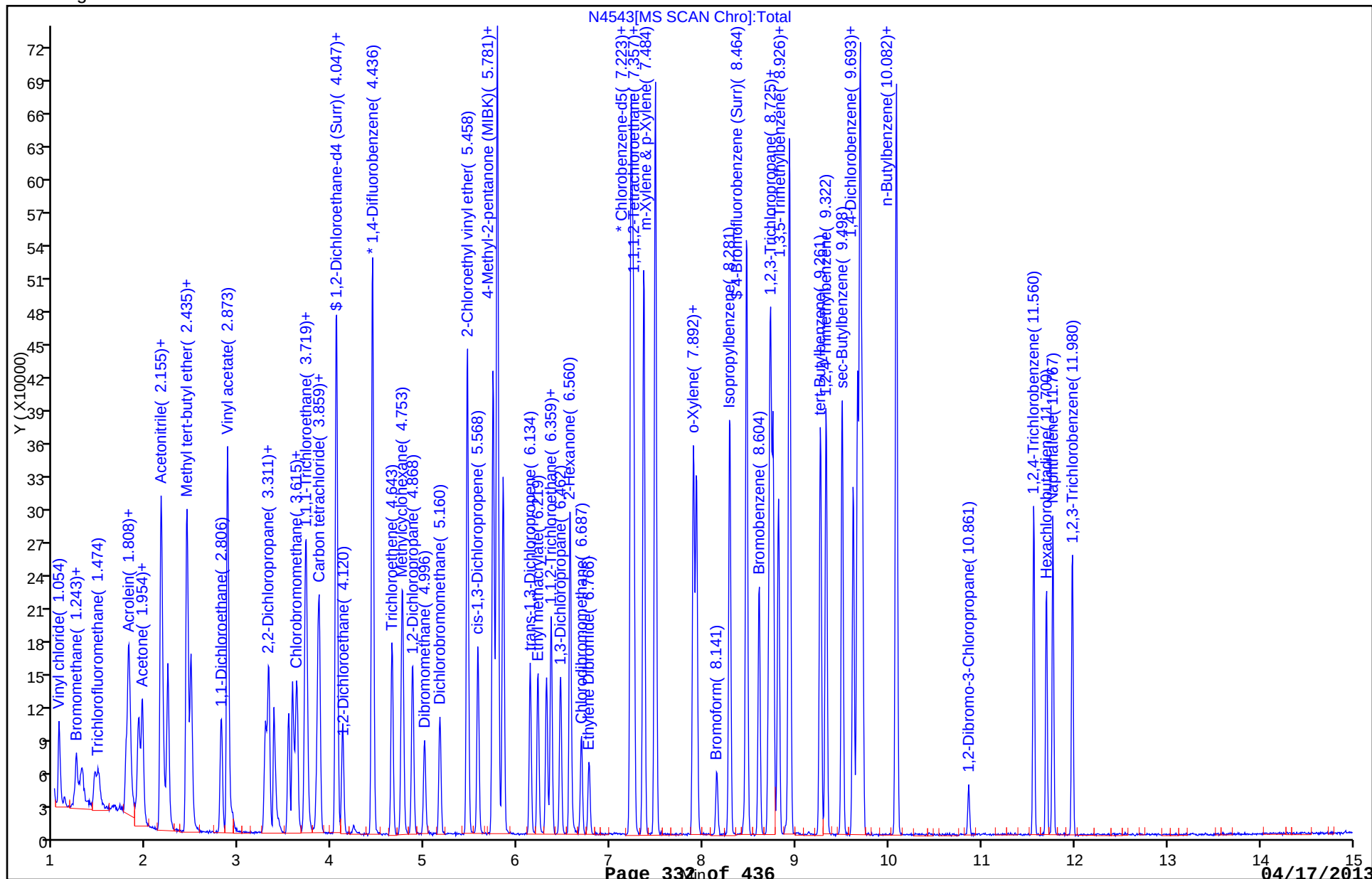
Operator ID: LH

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4544.D
 Lims ID: ICIS 4 Client ID:
 Inject. Date: 14-Mar-2013 13:39:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 4
 Sample ID: ICIS 4
 Misc. Info.: 480-0019665-005
 Operator: LH Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 39
 Lims Batch ID: 107379 Lims Sample ID: 5
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N-8260.m
 Last Update: 14-Mar-2013 20:11:09 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK001

First Level Reviewer: larsonr

Date: 14-Mar-2013 20:11:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	92	404438	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	346801	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	73	188325	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	92	140831	24.7	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	80	448600	24.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.464	8.464	0.0	89	157213	24.9	
11 Dichlorodifluoromethane	85	0.908	0.908	0.0	96	88828	25.6	
13 Chloromethane	50	0.987	0.987	0.0	99	131058	23.7	
14 Vinyl chloride	62	1.054	1.054	0.0	83	122131	24.4	
15 Bromomethane	94	1.243	1.243	0.0	90	43542	26.9	
16 Chloroethane	64	1.304	1.304	0.0	98	56822	27.0	
18 Trichlorofluoromethane	101	1.450	1.450	0.0	93	128250	26.0	
20 Acrolein	56	1.778	1.778	0.0	91	108423	487.4	
22 1,1-Dichloroethene	96	1.809	1.809	0.0	97	91640	23.6	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.821	1.821	0.0	86	81612	24.9	
23 Acetone	43	1.906	1.906	0.0	98	214180	115.2	
24 Iodomethane	142	1.924	1.924	0.0	97	130363	24.4	
25 Carbon disulfide	76	1.955	1.955	0.0	99	361282	24.9	
29 Acetonitrile	40	2.155	2.155	0.0	99	416927	939.6	
28 Methyl acetate	43	2.161	2.161	0.0	96	188050	24.1	
30 Methylene Chloride	84	2.228	2.228	0.0	86	139033	23.0	
32 Methyl tert-butyl ether	73	2.435	2.435	0.0	91	418775	24.3	
33 trans-1,2-Dichloroethene	96	2.435	2.435	0.0	95	129614	23.9	
34 Acrylonitrile	53	2.478	2.478	0.0	97	269250	123.4	
36 1,1-Dichloroethane	63	2.806	2.806	0.0	97	241219	24.0	
39 Vinyl acetate	43	2.867	2.867	0.0	98	1172879	146.3	
42 2,2-Dichloropropane	77	3.281	3.281	0.0	88	169763	24.0	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	79	143307	24.5	
44 2-Butanone (MEK)	43	3.366	3.366	0.0	98	352042	125.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
47 Chlorobromomethane	128	3.530	3.530	0.0	94	68682	23.8	
49 Tetrahydrofuran	42	3.561	3.561	0.0	87	228405	117.8	
50 Chloroform	83	3.615	3.615	0.0	90	224822	23.4	
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	94	186587	24.7	
52 Cyclohexane	56	3.719	3.719	0.0	92	221628	24.3	
53 Carbon tetrachloride	117	3.841	3.841	0.0	93	161429	24.5	
54 1,1-Dichloropropene	75	3.859	3.859	0.0	93	180452	24.8	
55 Benzene	78	4.047	4.047	0.0	97	540062	24.7	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	98	177879	24.4	
60 Trichloroethene	95	4.644	4.644	0.0	94	132176	24.5	
62 Methylcyclohexane	83	4.753	4.753	0.0	90	230253	25.1	
63 1,2-Dichloropropane	63	4.869	4.869	0.0	92	133632	24.4	
64 Dibromomethane	93	4.996	4.996	0.0	86	77361	24.4	
67 Dichlorobromomethane	83	5.161	5.161	0.0	94	167137	23.9	
69 2-Chloroethyl vinyl ether	63	5.453	5.453	0.0	94	415697	123.6	
71 cis-1,3-Dichloropropene	75	5.568	5.568	0.0	89	214600	25.0	
72 4-Methyl-2-pentanone (MIBK)	43	5.733	5.733	0.0	97	696248	137.4	
73 Toluene	92	5.842	5.842	0.0	93	336928	24.7	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	96	193572	25.3	
77 Ethyl methacrylate	69	6.213	6.213	0.0	90	179472	24.9	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	92	91903	23.9	
79 Tetrachloroethene	166	6.359	6.359	0.0	89	144827	24.1	
80 1,3-Dichloropropane	76	6.463	6.463	0.0	93	189797	23.9	
82 2-Hexanone	43	6.560	6.560	0.0	96	482752	122.7	
83 Chlorodibromomethane	129	6.688	6.688	0.0	87	117707	24.8	
84 Ethylene Dibromide	107	6.767	6.767	0.0	98	115875	24.6	
85 Chlorobenzene	112	7.247	7.247	0.0	91	359879	24.3	
88 Ethylbenzene	91	7.357	7.357	0.0	99	595233	24.7	
89 1,1,1,2-Tetrachloroethane	131	7.357	7.357	0.0	92	130470	25.0	
90 m-Xylene & p-Xylene	106	7.485	7.485	0.0	97	494326	49.4	
91 o-Xylene	106	7.892	7.892	0.0	96	250810	24.1	
92 Styrene	104	7.929	7.929	0.0	95	417981	24.8	
93 Bromoform	173	8.148	8.148	0.0	95	74551	25.3	
95 Isopropylbenzene	105	8.282	8.282	0.0	96	637539	24.8	
97 Bromobenzene	156	8.604	8.604	0.0	92	162556	24.4	
98 1,1,2,2-Tetrachloroethane	83	8.701	8.701	0.0	95	153115	25.0	
99 1,2,3-Trichloropropane	110	8.713	8.713	0.0	79	45114	25.1	
100 N-Propylbenzene	91	8.726	8.726	0.0	97	722790	24.8	
101 trans-1,4-Dichloro-2-butene	53	8.750	8.750	0.0	87	198889	127.1	
102 2-Chlorotoluene	126	8.811	8.811	0.0	96	151474	24.6	
104 1,3,5-Trimethylbenzene	105	8.926	8.926	0.0	91	534115	24.7	
105 4-Chlorotoluene	91	8.932	8.932	0.0	99	491494	24.3	
106 tert-Butylbenzene	134	9.261	9.261	0.0	91	127854	25.4	
108 1,2,4-Trimethylbenzene	105	9.322	9.322	0.0	91	540357	24.9	
109 sec-Butylbenzene	105	9.498	9.498	0.0	94	689987	25.2	
110 1,3-Dichlorobenzene	146	9.614	9.614	0.0	98	317881	24.3	
111 4-Isopropyltoluene	119	9.662	9.662	0.0	87	579987	25.2	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	88	325588	24.8	
115 n-Butylbenzene	91	10.076	10.076	0.0	94	520026	25.4	
116 1,2-Dichlorobenzene	146	10.082	10.082	0.0	97	300055	24.9	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	72	25264	28.0	
119 1,2,4-Trichlorobenzene	180	11.561	11.561	0.0	95	194092	26.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	11.700	11.700	0.0	97	85018	24.8	
121 Naphthalene	128	11.767	11.767	0.0	97	439216	30.7	
122 1,2,3-Trichlorobenzene	180	11.980	11.980	0.0	95	165223	29.3	
S 123 1,3-Dichloropropene, Total	1				0		50.2	
S 124 1,2-Dichloroethene, Total	1				0		48.4	
S 125 Total BTEX	1				0		147.6	
S 126 Xylenes, Total	1				0		73.6	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4544.D

Injection Date: 14-Mar-2013 13:39:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 107379

Lims Sample ID: 5

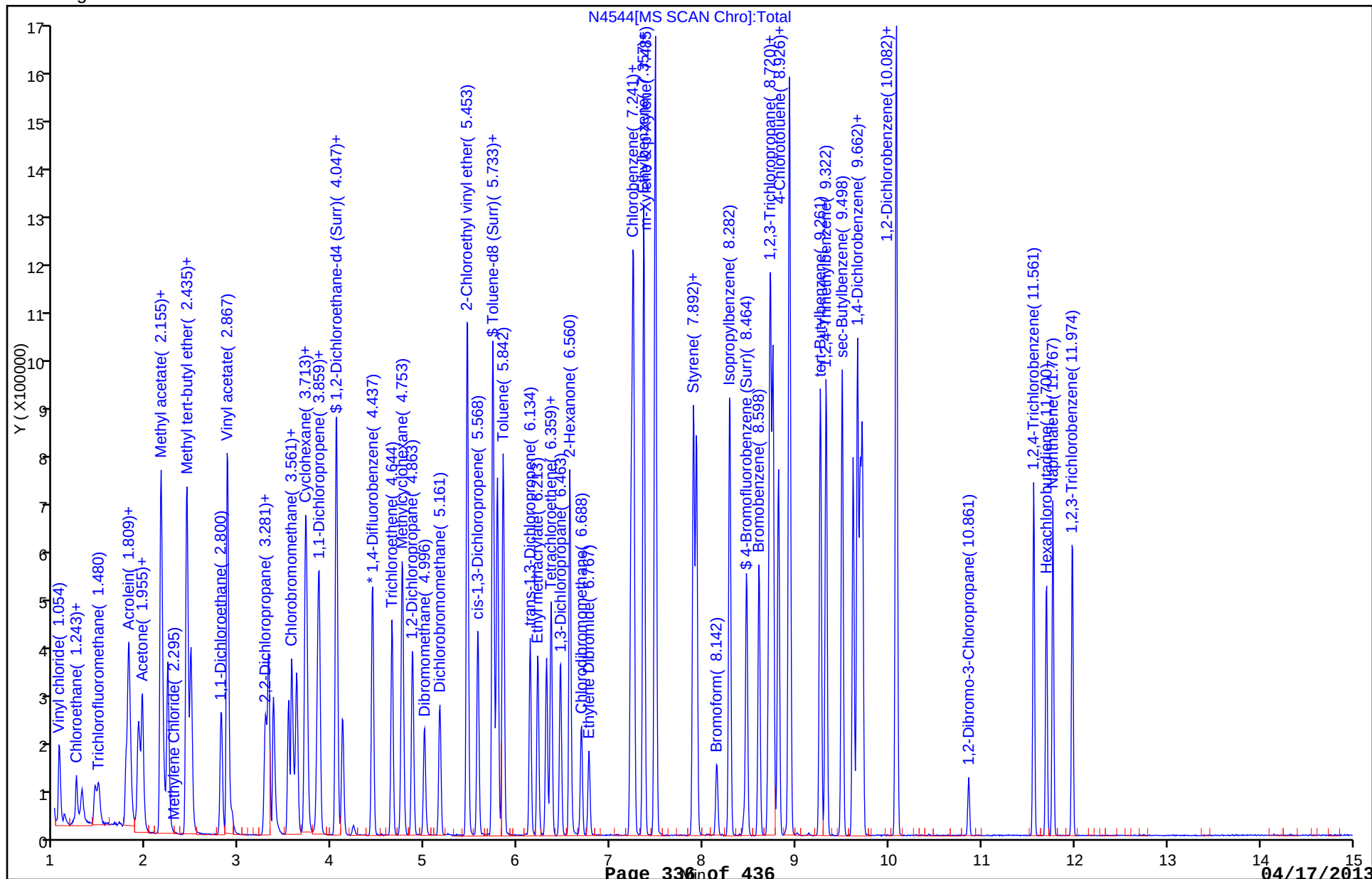
Operator ID: LH

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4545.D
 Lims ID: IC 5 Client ID:
 Inject. Date: 14-Mar-2013 14:02:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: IC 5
 Misc. Info.: 480-0019665-006
 Operator: LH Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 40
 Lims Batch ID: 107379 Lims Sample ID: 6
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N-8260.m
 Last Update: 14-Mar-2013 20:20:59 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK001

First Level Reviewer: larsonr

Date: 14-Mar-2013 20:20:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.430	4.437	-0.007	91	407103	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	349096	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	67	181831	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	85	139359	24.3	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	80	451176	24.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.464	0.006	88	153519	24.1	
11 Dichlorodifluoromethane	85	0.902	0.908	-0.006	96	160875	46.1	
13 Chloromethane	50	0.987	0.987	0.0	99	243815	43.8	
14 Vinyl chloride	62	1.060	1.054	0.006	99	227828	45.2	
15 Bromomethane	94	1.243	1.243	0.0	90	83396	48.8	
16 Chloroethane	64	1.303	1.304	-0.001	99	111773	48.7	
18 Trichlorofluoromethane	101	1.443	1.450	-0.007	97	248120	49.9	
20 Acrolein	56	1.772	1.778	-0.006	95	206019	927.2	
22 1,1-Dichloroethene	96	1.802	1.809	-0.007	96	173351	44.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.815	1.821	-0.006	82	160959	48.7	
23 Acetone	43	1.900	1.906	-0.006	97	428963	229.3	
24 Iodomethane	142	1.924	1.924	0.0	97	260214	48.4	
25 Carbon disulfide	76	1.954	1.955	-0.001	99	690813	47.3	
29 Acetonitrile	40	2.149	2.155	-0.006	99	786234	1760.3	
28 Methyl acetate	43	2.155	2.161	-0.006	95	352030	44.9	
30 Methylene Chloride	84	2.228	2.228	0.0	88	263614	43.3	
32 Methyl tert-butyl ether	73	2.429	2.435	-0.006	91	811525	46.8	
33 trans-1,2-Dichloroethene	96	2.429	2.435	-0.006	70	253830	46.6	
34 Acrylonitrile	53	2.472	2.478	-0.006	96	504881	229.9	
36 1,1-Dichloroethane	63	2.800	2.806	-0.006	97	467681	46.2	
39 Vinyl acetate	43	2.867	2.867	0.0	98	2042296	269.2	
42 2,2-Dichloropropane	77	3.281	3.281	0.0	91	323835	45.5	
43 cis-1,2-Dichloroethene	96	3.311	3.317	-0.006	81	278331	47.2	
44 2-Butanone (MEK)	43	3.360	3.366	-0.006	98	673269	239.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
47 Chlorobromomethane	128	3.530	3.530	0.0	92	134159	46.2	
49 Tetrahydrofuran	42	3.554	3.561	-0.007	87	442719	226.9	
50 Chloroform	83	3.615	3.615	0.0	90	430830	44.5	
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	96	356212	46.8	
52 Cyclohexane	56	3.719	3.719	0.0	92	423115	46.1	
53 Carbon tetrachloride	117	3.840	3.841	0.0	91	308921	46.6	
54 1,1-Dichloropropene	75	3.859	3.859	0.0	92	342603	46.8	
55 Benzene	78	4.047	4.047	0.0	99	1003750	45.6	
57 1,2-Dichloroethane	62	4.108	4.114	-0.006	98	347515	47.3	
60 Trichloroethene	95	4.643	4.644	-0.001	94	255454	47.0	
62 Methylcyclohexane	83	4.753	4.753	0.0	92	435368	47.1	
63 1,2-Dichloropropane	63	4.862	4.869	-0.007	93	256907	46.6	
64 Dibromomethane	93	4.990	4.996	-0.006	91	147422	46.2	
67 Dichlorobromomethane	83	5.160	5.161	-0.001	94	330652	47.0	
69 2-Chloroethyl vinyl ether	63	5.459	5.453	0.006	94	780353	230.5	
71 cis-1,3-Dichloropropene	75	5.568	5.568	0.0	89	411622	47.6	
72 4-Methyl-2-pentanone (MIBK)	43	5.726	5.733	-0.006	96	1253475	249.0	
73 Toluene	92	5.842	5.842	0.0	92	633545	46.1	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	96	365799	47.5	
77 Ethyl methacrylate	69	6.213	6.213	0.0	91	341923	47.2	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	91	175568	45.4	
79 Tetrachloroethene	166	6.359	6.359	0.0	94	276669	45.8	
80 1,3-Dichloropropane	76	6.456	6.463	-0.007	94	362236	45.4	
82 2-Hexanone	43	6.560	6.560	0.0	94	884578	223.4	
83 Chlorodibromomethane	129	6.687	6.688	-0.001	87	233431	48.9	
84 Ethylene Dibromide	107	6.767	6.767	0.0	99	220952	46.6	
85 Chlorobenzene	112	7.247	7.247	0.0	92	680375	45.7	
88 Ethylbenzene	91	7.363	7.357	0.006	98	1078893	44.5	
89 1,1,1,2-Tetrachloroethane	131	7.357	7.357	0.0	93	242791	46.3	
90 m-Xylene & p-Xylene	106	7.484	7.485	-0.001	95	905490	90.0	
91 o-Xylene	106	7.892	7.892	0.0	96	482141	46.0	
92 Styrene	104	7.929	7.929	-0.001	95	776024	45.7	
93 Bromoform	173	8.148	8.148	0.0	95	147429	49.8	
95 Isopropylbenzene	105	8.287	8.282	0.005	96	1149394	46.2	
97 Bromobenzene	156	8.604	8.604	0.0	93	305369	47.6	
98 1,1,2,2-Tetrachloroethane	83	8.701	8.701	0.0	97	273517	46.2	
99 1,2,3-Trichloropropane	110	8.719	8.713	0.006	81	82367	47.4	
100 N-Propylbenzene	91	8.725	8.726	-0.001	95	1279478	45.4	
101 trans-1,4-Dichloro-2-butene	53	8.750	8.750	0.0	93	372497	246.5	
102 2-Chlorotoluene	126	8.811	8.811	0.0	96	283761	47.7	
104 1,3,5-Trimethylbenzene	105	8.926	8.926	0.0	91	954574	45.8	
105 4-Chlorotoluene	91	8.932	8.932	0.0	98	884121	45.3	
106 tert-Butylbenzene	134	9.261	9.261	0.0	91	229488	47.2	
108 1,2,4-Trimethylbenzene	105	9.322	9.322	0.0	91	958060	45.7	
109 sec-Butylbenzene	105	9.498	9.498	0.0	95	1185768	44.9	
110 1,3-Dichlorobenzene	146	9.614	9.614	0.0	97	574311	45.5	
111 4-Isopropyltoluene	119	9.662	9.662	0.0	86	993742	44.7	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	90	583319	46.0	
115 n-Butylbenzene	91	10.076	10.076	0.0	93	884878	44.7	
116 1,2-Dichlorobenzene	146	10.088	10.082	0.006	97	523746	45.1	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	78	39367	45.2	
119 1,2,4-Trichlorobenzene	180	11.560	11.561	-0.001	94	290285	40.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	11.700	11.700	0.0	96	135716	41.1	
121 Naphthalene	128	11.767	11.767	0.0	98	643131	48.5	
122 1,2,3-Trichlorobenzene	180	11.980	11.980	0.0	95	252719	48.0	
S 123 1,3-Dichloropropene, Total	1				0		95.0	
S 124 1,2-Dichloroethene, Total	1				0		93.8	
S 125 Total BTEX	1				0		272.2	
S 126 Xylenes, Total	1				0		136.0	

Data File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4545.D

Limit Group: MV - 8260B ICAL

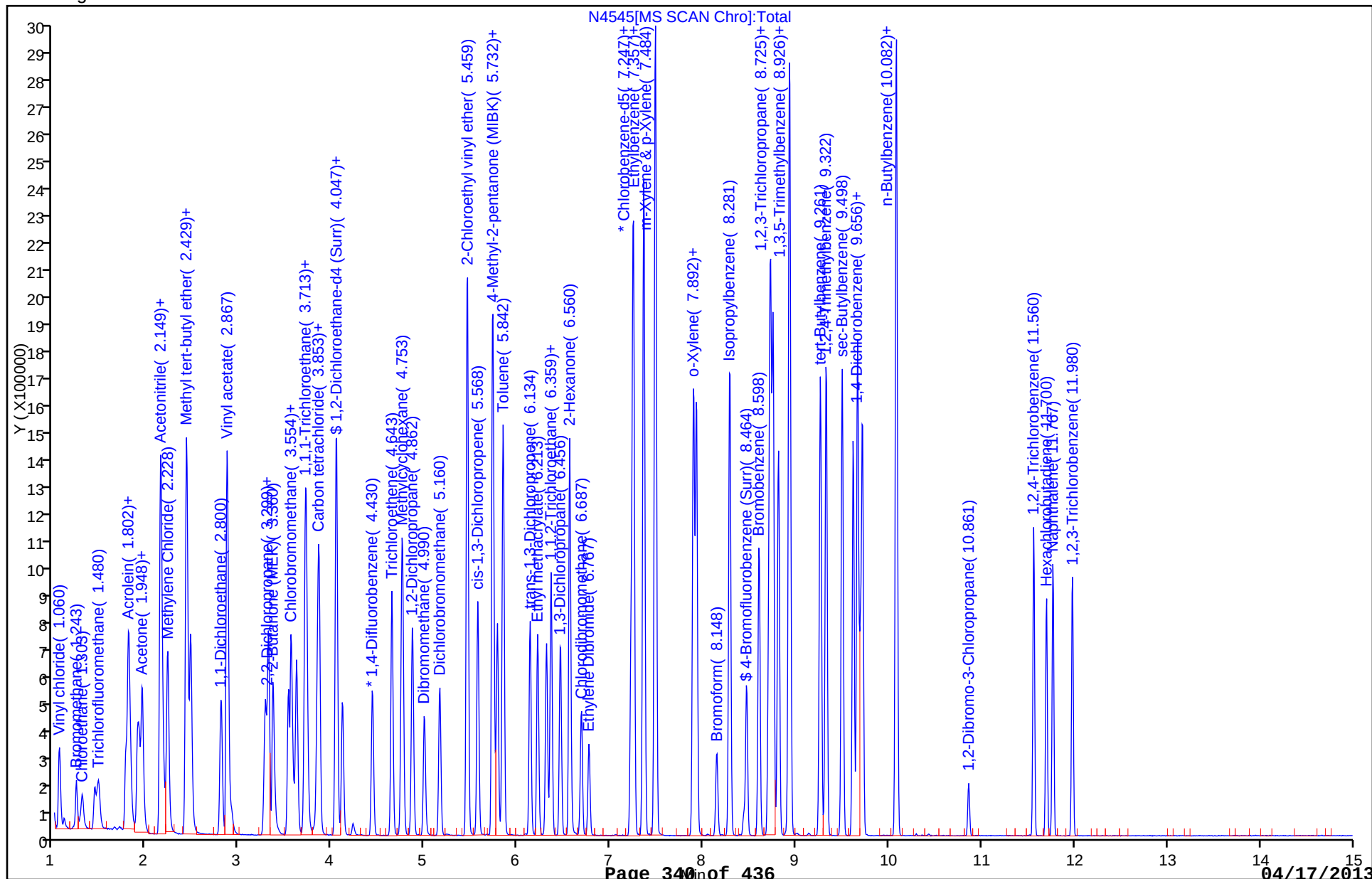
Instrument ID: HP5973N

Lims Sample ID: 6

Purge Vol: 5.000 mL

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4546.D
 Lims ID: IC 6 Client ID:
 Inject. Date: 14-Mar-2013 14:26:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: IC 6
 Misc. Info.: 480-0019665-007
 Operator: LH Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 41
 Lims Batch ID: 107379 Lims Sample ID: 7
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N-8260.m
 Last Update: 14-Mar-2013 20:21:43 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK001

First Level Reviewer: larsonr

Date: 14-Mar-2013 20:21:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	92	376143	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	323496	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	66	153827	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	41	138977	26.2	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	72	461919	27.0	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.464	0.006	85	154698	26.2	
11 Dichlorodifluoromethane	85	0.908	0.908	0.0	97	355003	110.2	
13 Chloromethane	50	0.987	0.987	0.0	99	511689	99.6	
14 Vinyl chloride	62	1.066	1.054	0.012	99	489983	105.2	
15 Bromomethane	94	1.243	1.243	0.0	92	193483	100.1	
16 Chloroethane	64	1.310	1.304	0.006	100	261615	100.2	
18 Trichlorofluoromethane	101	1.450	1.450	0.0	97	569501	124.0	
20 Acrolein	56	1.778	1.778	0.0	92	427564	2092.6	
22 1,1-Dichloroethene	96	1.809	1.809	0.0	98	369246	102.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.821	1.821	0.0	91	350613	114.9	
23 Acetone	43	1.906	1.906	0.0	98	846653	489.8	
24 Iodomethane	142	1.924	1.924	0.0	99	533873	107.4	
25 Carbon disulfide	76	1.955	1.955	0.0	99	1384905	102.7	
29 Acetonitrile	40	2.155	2.155	0.0	96	1569649	3803.6	
28 Methyl acetate	43	2.155	2.161	-0.006	95	698041	96.3	
30 Methylene Chloride	84	2.228	2.228	0.0	87	536986	95.5	
32 Methyl tert-butyl ether	73	2.429	2.435	-0.006	93	1578635	98.6	
33 trans-1,2-Dichloroethene	96	2.435	2.435	0.0	73	518108	102.9	
34 Acrylonitrile	53	2.478	2.478	0.0	96	1013553	499.6	
36 1,1-Dichloroethane	63	2.806	2.806	0.0	96	944077	100.9	
39 Vinyl acetate	43	2.867	2.867	0.0	98	3287889	485.5	
42 2,2-Dichloropropane	77	3.281	3.281	0.0	91	660285	100.3	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	80	566835	104.1	
44 2-Butanone (MEK)	43	3.360	3.366	-0.006	98	1320299	511.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
47 Chlorobromomethane	128	3.530	3.530	0.0	96	281329	104.9	
49 Tetrahydrofuran	42	3.555	3.561	-0.006	85	892760	495.2	
50 Chloroform	83	3.615	3.615	0.0	90	873011	97.5	
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	94	744850	105.9	
52 Cyclohexane	56	3.719	3.719	0.0	93	887180	104.7	
53 Carbon tetrachloride	117	3.840	3.841	0.0	89	669659	109.4	
54 1,1-Dichloropropene	75	3.859	3.859	0.0	91	720586	106.5	
55 Benzene	78	4.047	4.047	0.0	99	1902189	93.5	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	97	707127	104.3	
60 Trichloroethene	95	4.643	4.644	-0.001	95	528154	105.1	
62 Methylcyclohexane	83	4.759	4.753	0.006	93	919245	107.6	
63 1,2-Dichloropropane	63	4.869	4.869	0.0	92	541080	106.3	
64 Dibromomethane	93	4.996	4.996	0.0	87	308832	104.8	
67 Dichlorobromomethane	83	5.161	5.161	0.0	94	693400	106.8	
69 2-Chloroethyl vinyl ether	63	5.459	5.453	0.006	94	1523406	487.0	
71 cis-1,3-Dichloropropene	75	5.568	5.568	0.0	89	850655	106.4	
72 4-Methyl-2-pentanone (MIBK)	43	5.732	5.733	0.0	90	2227479	481.2	
73 Toluene	92	5.842	5.842	0.0	89	1254569	98.6	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	96	785934	110.0	
77 Ethyl methacrylate	69	6.213	6.213	0.0	91	703616	104.8	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	93	373149	104.1	
79 Tetrachloroethene	166	6.359	6.359	0.0	93	580325	103.7	
80 1,3-Dichloropropane	76	6.462	6.463	-0.001	95	764401	103.4	
82 2-Hexanone	43	6.560	6.560	0.0	87	1668046	454.5	
83 Chlorodibromomethane	129	6.688	6.688	0.0	87	501242	113.2	
84 Ethylene Dibromide	107	6.767	6.767	0.0	98	477176	108.6	
85 Chlorobenzene	112	7.247	7.247	0.0	89	1320443	95.6	
88 Ethylbenzene	91	7.363	7.357	0.006	95	1972303	87.7	
89 1,1,1,2-Tetrachloroethane	131	7.357	7.357	0.0	93	501827	103.2	
90 m-Xylene & p-Xylene	106	7.485	7.485	0.0	86	1713857	183.8	
91 o-Xylene	106	7.892	7.892	0.0	94	950128	97.9	
92 Styrene	104	7.929	7.929	0.0	94	1498716	95.2	
93 Bromoform	173	8.148	8.148	0.0	93	322993	117.7	
95 Isopropylbenzene	105	8.288	8.282	0.006	97	2067679	98.3	
97 Bromobenzene	156	8.604	8.604	0.0	93	620816	114.3	
98 1,1,2,2-Tetrachloroethane	83	8.707	8.701	0.006	96	537183	107.4	
99 1,2,3-Trichloropropane	110	8.719	8.713	0.006	86	164050	111.5	
100 N-Propylbenzene	91	8.726	8.726	0.0	92	2274095	95.3	
101 trans-1,4-Dichloro-2-butene	53	8.756	8.750	0.006	94	760060	594.5	
102 2-Chlorotoluene	126	8.811	8.811	0.0	96	559788	111.2	
104 1,3,5-Trimethylbenzene	105	8.926	8.926	0.0	91	1660198	94.1	
105 4-Chlorotoluene	91	8.939	8.932	0.006	96	1634351	99.0	
106 tert-Butylbenzene	134	9.261	9.261	0.0	90	433400	105.3	
108 1,2,4-Trimethylbenzene	105	9.328	9.322	0.006	90	1656513	93.5	
109 sec-Butylbenzene	105	9.498	9.498	0.0	94	2010780	90.0	
110 1,3-Dichlorobenzene	146	9.620	9.614	0.006	96	1061897	99.3	
111 4-Isopropyltoluene	119	9.662	9.662	0.0	84	1674955	89.1	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	89	1058901	98.7	
115 n-Butylbenzene	91	10.076	10.076	0.0	91	1487896	88.8	
116 1,2-Dichlorobenzene	146	10.088	10.082	0.006	96	883266	89.9	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	81	69180	93.8	
119 1,2,4-Trichlorobenzene	180	11.561	11.561	0.0	95	501865	83.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	11.700	11.700	0.0	97	249597	89.3	
121 Naphthalene	128	11.767	11.767	0.0	98	1072559	99.3	
122 1,2,3-Trichlorobenzene	180	11.980	11.980	0.0	95	431969	99.9	
S 123 1,3-Dichloropropene, Total	1				0		216.4	
S 124 1,2-Dichloroethene, Total	1				0		207.0	
S 125 Total BTEX	1				0		561.4	
S 126 Xylenes, Total	1				0		281.7	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4546.D

Injection Date: 14-Mar-2013 14:26:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 107379

Lims Sample ID: 7

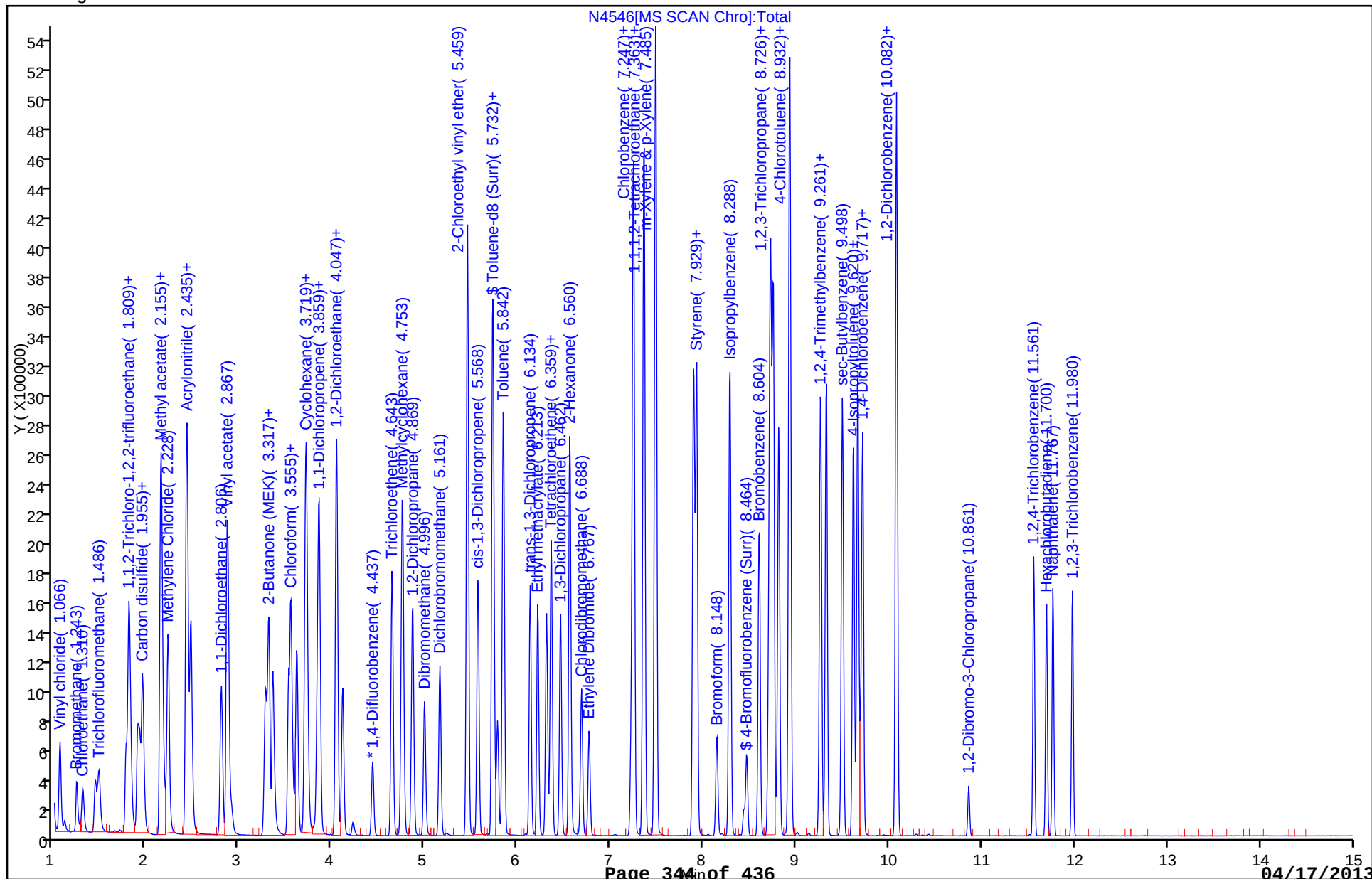
Operator ID: LH

Purge Vol: 5.000 mL

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.: 480-35528-1

SDG No.: _____

Lab Sample ID: CCVIS 480-111319/2 Calibration Date: 04/06/2013 10:01

Instrument ID: HP5973N Calib Start Date: 03/14/2013 12:28

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/14/2013 14:26

Lab File ID: N5357.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	0.2141	0.2793		32.6	25.0	30.5	50.0
Chloromethane	Ave	0.3415	0.3765	0.1000	27.6	25.0	10.3	50.0
Vinyl chloride	Ave	0.3094	0.3505		28.3	25.0	13.3	20.0
Bromomethane	Qua		0.1238		30.9	25.0	23.5	50.0
Chloroethane	Qua		0.1683		31.9	25.0	27.5	50.0
Trichlorofluoromethane	Ave	0.3054	0.3348		27.4	25.0	9.6	50.0
Acrolein	Lin1		0.0121		438	500	-12.5	50.0
1,1-Dichloroethene	Ave	0.2402	0.2589	0.1000	26.9	25.0	7.8	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2029	0.1967		24.2	25.0	-3.0	50.0
Acetone	Ave	0.1149	0.1133		123	125	-1.4	50.0
Iodomethane	Ave	0.3303	0.3149		23.8	25.0	-4.6	50.0
Carbon disulfide	Ave	0.8966	0.6665		18.6	25.0	-25.7	50.0
Acetonitrile	Ave	0.0274	0.0260		949	1000	-5.1	50.0
Methyl acetate	Ave	0.4819	0.4628		24.0	25.0	-4.0	50.0
Methylene Chloride	Ave	0.3737	0.3937		26.3	25.0	5.4	50.0
trans-1,2-Dichloroethene	Ave	0.3347	0.3695		27.6	25.0	10.4	50.0
Methyl tert-butyl ether	Ave	1.064	1.053		24.7	25.0	-1.0	50.0
Acrylonitrile	Ave	0.1348	0.1317		122	125	-2.3	50.0
1,1-Dichloroethane	Ave	0.6219	0.6476		26.0	25.0	4.1	50.0
Vinyl acetate	Lin		0.5066		125	125	-0.0	50.0
2,2-Dichloropropane	Ave	0.4375	0.3982		22.8	25.0	-9.0	50.0
cis-1,2-Dichloroethene	Ave	0.3620	0.3918		27.1	25.0	8.2	50.0
2-Butanone (MEK)	Lin1		0.1659		119	125	-4.8	50.0
Bromochloromethane	Ave	0.1782	0.1876		26.3	25.0	5.3	50.0
Tetrahydrofuran	Ave	0.1198	0.1074		112	125	-10.4	50.0
Chloroform	Ave	0.5950	0.6065		25.5	25.0	1.9	20.0
1,1,1-Trichloroethane	Ave	0.4677	0.4699		25.1	25.0	0.5	50.0
Cyclohexane	Ave	0.5630	0.5086		22.6	25.0	-9.7	50.0
Carbon tetrachloride	Ave	0.4070	0.3854		23.7	25.0	-5.3	50.0
1,1-Dichloropropene	Ave	0.4497	0.4875		27.1	25.0	8.4	50.0
Benzene	Ave	1.353	1.438		26.6	25.0	6.3	50.0
1,2-Dichloroethane	Ave	0.4507	0.4679		25.9	25.0	3.8	50.0
Trichloroethene	Ave	0.3339	0.3402		25.5	25.0	1.9	50.0
Methylcyclohexane	Ave	0.5680	0.5528		24.3	25.0	-2.7	50.0
1,2-Dichloropropane	Ave	0.3383	0.3384		25.0	25.0	0.0	20.0
Dibromomethane	Ave	0.1959	0.1950		24.9	25.0	-0.5	50.0
Bromodichloromethane	Ave	0.4316	0.3822		22.1	25.0	-11.5	50.0
2-Chloroethyl vinyl ether	Ave	0.2079	0.1989		120	125	-4.3	50.0
cis-1,3-Dichloropropene	Ave	0.5314	0.4846		22.8	25.0	-8.8	50.0
4-Methyl-2-pentanone (MIBK)	Lin1		0.3774		129	125	3.1	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Lab Sample ID: CCVIS 480-111319/2 Calibration Date: 04/06/2013 10:01

Instrument ID: HP5973N Calib Start Date: 03/14/2013 12:28

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/14/2013 14:26

Lab File ID: N5357.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	0.9836	1.002		25.5	25.0	1.9	20.0
trans-1,3-Dichloropropene	Ave	0.5520	0.4721		21.4	25.0	-14.5	50.0
Ethyl methacrylate	Ave	0.5188	0.4680		22.5	25.0	-9.8	50.0
1,1,2-Trichloroethane	Ave	0.2769	0.2665		24.1	25.0	-3.8	50.0
Tetrachloroethene	Ave	0.4324	0.4230		24.5	25.0	-2.2	50.0
1,3-Dichloropropane	Ave	0.5714	0.5661		24.8	25.0	-0.9	50.0
2-Hexanone	Ave	0.2836	0.2663		117	125	-6.1	50.0
Dibromochloromethane	Ave	0.3422	0.2745		20.1	25.0	-19.8	50.0
1,2-Dibromoethane	Ave	0.3396	0.3392		25.0	25.0	-0.1	50.0
Chlorobenzene	Ave	1.067	1.097	0.3000	25.7	25.0	2.8	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3757	0.3512		23.4	25.0	-6.5	50.0
Ethylbenzene	Ave	1.738	1.796		25.8	25.0	3.4	20.0
m,p-Xylene	Ave	0.7208	0.7430		51.5	50.0	3.1	50.0
o-Xylene	Ave	0.7499	0.7627		25.4	25.0	1.7	50.0
Styrene	Ave	1.217	1.254		25.8	25.0	3.1	50.0
Bromoform	Ave	0.2121	0.1405	0.1000	16.6	25.0	-33.8	50.0
Isopropylbenzene	Ave	3.418	3.409		24.9	25.0	-0.3	50.0
Bromobenzene	Ave	0.8826	0.8551		24.2	25.0	-3.1	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8132	0.7497	0.3000	23.0	25.0	-7.8	50.0
1,2,3-Trichloropropane	Ave	0.2390	0.2353		24.6	25.0	-1.6	50.0
N-Propylbenzene	Ave	3.877	3.836		24.7	25.0	-1.0	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2078	0.1716		103	125	-17.4	50.0
2-Chlorotoluene	Ave	0.8184	0.8062		24.6	25.0	-1.5	50.0
1,3,5-Trimethylbenzene	Ave	2.868	2.836		24.7	25.0	-1.1	50.0
4-Chlorotoluene	Ave	2.682	2.643		24.6	25.0	-1.5	50.0
tert-Butylbenzene	Ave	0.6687	0.6570		24.6	25.0	-1.7	50.0
1,2,4-Trimethylbenzene	Ave	2.879	2.863		24.9	25.0	-0.6	50.0
sec-Butylbenzene	Ave	3.630	3.689		25.4	25.0	1.6	50.0
1,3-Dichlorobenzene	Ave	1.737	1.694		24.4	25.0	-2.5	50.0
4-Isopropyltoluene	Ave	3.054	3.033		24.8	25.0	-0.7	50.0
1,4-Dichlorobenzene	Ave	1.743	1.709		24.5	25.0	-2.0	50.0
n-Butylbenzene	Ave	2.723	2.766		25.4	25.0	1.6	50.0
1,2-Dichlorobenzene	Ave	1.597	1.603		25.1	25.0	0.3	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1198	0.0901		18.8	25.0	-24.8	50.0
1,2,4-Trichlorobenzene	Ave	0.9808	0.997		25.4	25.0	1.6	50.0
Hexachlorobutadiene	Ave	0.4542	0.4120		22.7	25.0	-9.3	50.0
Naphthalene	Lin		2.207		28.9	25.0	15.6	50.0
1,2,3-Trichlorobenzene	Lin		0.8518		28.3	25.0	13.3	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3520	0.3629		25.8	25.0	3.1	50.0
Toluene-d8 (Surr)	Ave	1.321	1.350		25.5	25.0	2.1	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4557	0.4281		23.5	25.0	-6.1	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5357.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 06-Apr-2013 10:01:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0020332-002
 Operator: TF Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 59
 Lims Batch ID: 111319 Lims Sample ID: 2
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
 Last Update: 06-Apr-2013 11:01:10 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK036

First Level Reviewer: fergusont

Date: 06-Apr-2013 11:01:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	94	337225	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	84	291589	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	72	165083	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	51	122368	25.8	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	81	393505	25.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.464	8.464	0.0	87	124818	23.5	
11 Dichlorodifluoromethane	85	0.902	0.902	0.0	98	94182	32.6	
13 Chloromethane	50	0.993	0.993	0.0	99	126974	27.6	
14 Vinyl chloride	62	1.066	1.066	0.0	99	118190	28.3	
15 Bromomethane	94	1.243	1.243	0.0	87	41757	30.9	
16 Chloroethane	64	1.310	1.310	0.0	98	56762	31.9	
18 Trichlorofluoromethane	101	1.444	1.444	0.0	92	112911	27.4	
20 Acrolein	56	1.778	1.778	0.0	94	81306	437.5	
22 1,1-Dichloroethene	96	1.803	1.803	0.0	97	87297	26.9	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.821	1.821	0.0	79	66343	24.2	
23 Acetone	43	1.900	1.900	0.0	98	191059	123.3	
24 Iodomethane	142	1.924	1.924	0.0	97	106204	23.8	
25 Carbon disulfide	76	1.955	1.955	0.0	98	224759	18.6	
29 Acetonitrile	40	2.155	2.155	0.0	99	351115	949.0	
28 Methyl acetate	43	2.155	2.155	0.0	96	156062	24.0	
30 Methylene Chloride	84	2.228	2.228	0.0	90	132757	26.3	
33 trans-1,2-Dichloroethene	96	2.429	2.429	0.0	98	124598	27.6	
32 Methyl tert-butyl ether	73	2.435	2.435	0.0	91	355091	24.7	
34 Acrylonitrile	53	2.478	2.478	0.0	96	222087	122.1	
36 1,1-Dichloroethane	63	2.800	2.800	0.0	96	218375	26.0	
39 Vinyl acetate	43	2.867	2.867	0.0	98	854211	124.9	
42 2,2-Dichloropropane	77	3.281	3.281	0.0	93	134275	22.8	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	78	132133	27.1	
44 2-Butanone (MEK)	43	3.366	3.366	0.0	100	279787	119.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
47 Chlorobromomethane	128	3.530	3.530	0.0	95	63256	26.3	
49 Tetrahydrofuran	42	3.561	3.561	0.0	87	181075	112.0	
50 Chloroform	83	3.615	3.615	0.0	93	204535	25.5	
52 Cyclohexane	56	3.713	3.713	0.0	92	171523	22.6	
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	93	158452	25.1	
53 Carbon tetrachloride	117	3.841	3.841	0.0	87	129958	23.7	
54 1,1-Dichloropropene	75	3.859	3.859	0.0	94	164409	27.1	
55 Benzene	78	4.041	4.041	0.0	97	485084	26.6	
57 1,2-Dichloroethane	62	4.108	4.108	0.0	97	157772	25.9	
60 Trichloroethene	95	4.644	4.644	0.0	95	114716	25.5	
62 Methylcyclohexane	83	4.759	4.759	0.0	90	186418	24.3	
63 1,2-Dichloropropane	63	4.863	4.863	0.0	93	114125	25.0	
64 Dibromomethane	93	4.996	4.996	0.0	91	65741	24.9	
67 Dichlorobromomethane	83	5.161	5.161	0.0	96	128873	22.1	
69 2-Chloroethyl vinyl ether	63	5.453	5.453	0.0	92	335385	119.6	
71 cis-1,3-Dichloropropene	75	5.568	5.568	0.0	88	163412	22.8	
72 4-Methyl-2-pentanone (MIBK)	43	5.733	5.733	0.0	97	550196	128.9	
73 Toluene	92	5.842	5.842	0.0	92	292202	25.5	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	96	137661	21.4	
77 Ethyl methacrylate	69	6.213	6.213	0.0	90	136452	22.5	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	90	77704	24.1	
79 Tetrachloroethene	166	6.359	6.359	0.0	94	123353	24.5	
80 1,3-Dichloropropane	76	6.456	6.456	0.0	93	165068	24.8	
82 2-Hexanone	43	6.560	6.560	0.0	95	388205	117.4	
83 Chlorodibromomethane	129	6.688	6.688	0.0	85	80048	20.1	
84 Ethylene Dibromide	107	6.767	6.767	0.0	96	98891	25.0	
85 Chlorobenzene	112	7.247	7.247	0.0	93	319807	25.7	
89 1,1,1,2-Tetrachloroethane	131	7.357	7.357	0.0	91	102406	23.4	
88 Ethylbenzene	91	7.357	7.357	0.0	98	523756	25.8	
90 m-Xylene & p-Xylene	106	7.485	7.485	0.0	98	433322	51.5	
91 o-Xylene	106	7.892	7.892	0.0	96	222406	25.4	
92 Styrene	104	7.923	7.923	0.0	96	365580	25.8	
93 Bromoform	173	8.142	8.142	0.0	93	40972	16.6	
95 Isopropylbenzene	105	8.282	8.282	0.0	96	562745	24.9	
97 Bromobenzene	156	8.604	8.604	0.0	92	141162	24.2	
98 1,1,2,2-Tetrachloroethane	83	8.701	8.701	0.0	97	123770	23.0	
99 1,2,3-Trichloropropane	110	8.720	8.720	0.0	84	38837	24.6	
100 N-Propylbenzene	91	8.726	8.726	0.0	97	633266	24.7	
101 trans-1,4-Dichloro-2-butene	53	8.750	8.750	0.0	89	141636	103.2	
102 2-Chlorotoluene	126	8.811	8.811	0.0	96	133083	24.6	
104 1,3,5-Trimethylbenzene	105	8.926	8.926	0.0	90	468225	24.7	
105 4-Chlorotoluene	91	8.932	8.932	0.0	99	436325	24.6	
106 tert-Butylbenzene	134	9.261	9.261	0.0	90	108460	24.6	
108 1,2,4-Trimethylbenzene	105	9.322	9.322	0.0	91	472693	24.9	
109 sec-Butylbenzene	105	9.498	9.498	0.0	94	608982	25.4	
110 1,3-Dichlorobenzene	146	9.614	9.614	0.0	97	279687	24.4	
111 4-Isopropyltoluene	119	9.663	9.663	0.0	89	500735	24.8	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	89	282091	24.5	
115 n-Butylbenzene	91	10.076	10.076	0.0	94	456555	25.4	
116 1,2-Dichlorobenzene	146	10.088	10.088	0.0	97	264574	25.1	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	62	14880	18.8	
119 1,2,4-Trichlorobenzene	180	11.561	11.561	0.0	95	164574	25.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	11.701	11.701	0.0	95	68016	22.7	
121 Naphthalene	128	11.767	11.767	0.0	97	364396	28.9	
122 1,2,3-Trichlorobenzene	180	11.980	11.980	0.0	95	140612	28.3	
S 125 Total BTEX	1				0		154.9	
S 126 Xylenes, Total	1				0		77.0	
S 123 1,3-Dichloropropene, Total	1				0		44.2	
S 124 1,2-Dichloroethene, Total	1				0		54.7	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5357.D

Injection Date: 06-Apr-2013 10:01:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 2

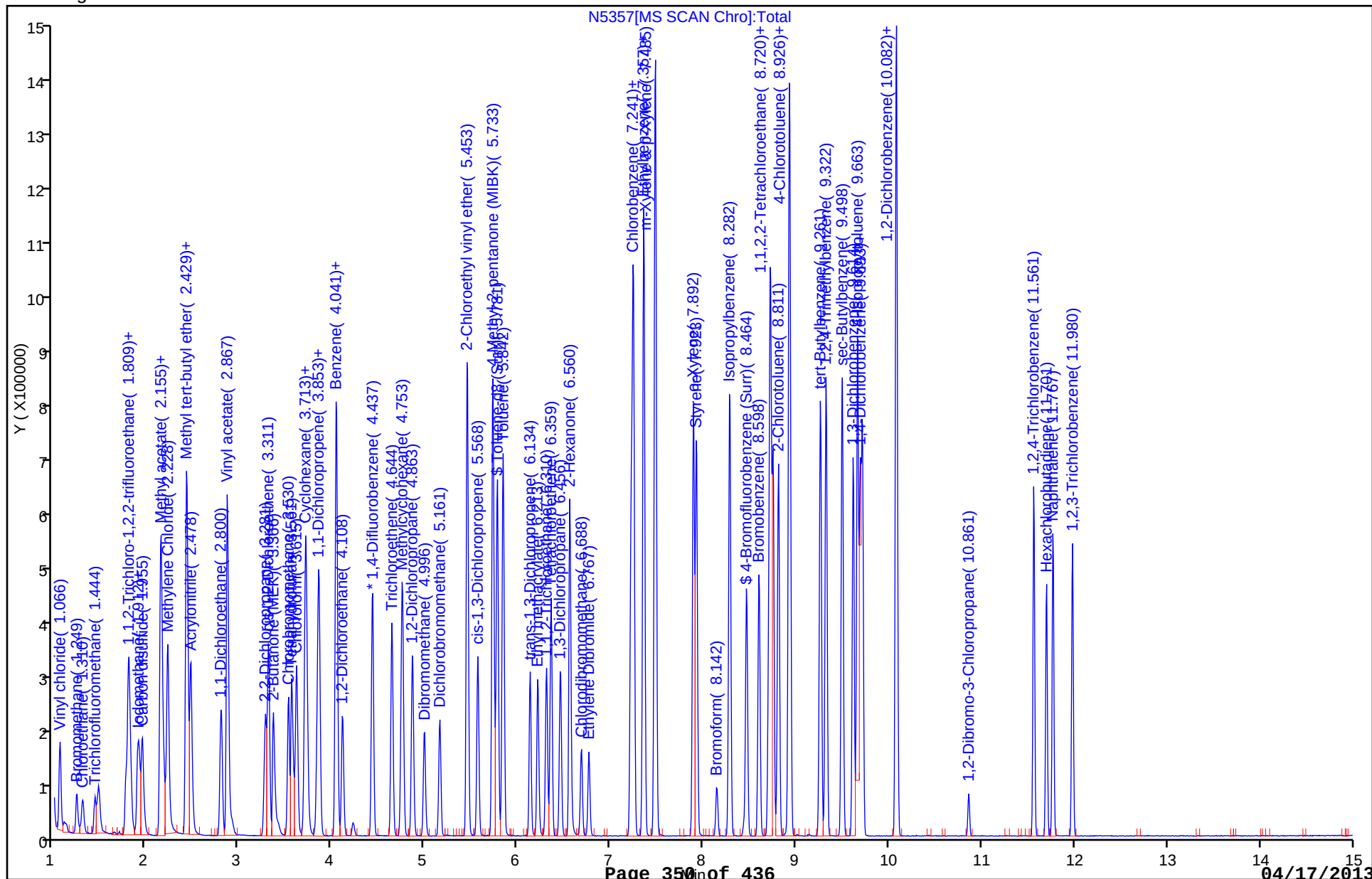
Operator ID: TF

Purge Vol: 5.000 mL

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.: 480-35528-1
SDG No.: _____
Lab Sample ID: CCV 480-111319/3 Calibration Date: 04/06/2013 10:45
Instrument ID: HP5973N Calib Start Date: 03/14/2013 12:28
GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/14/2013 14:26
Lab File ID: N5358.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
1,2-Dichloroethane-d4 (Surr)	Ave	0.3520	0.3650		25.9	25.0	3.7	50.0
Toluene-d8 (Surr)	Ave	1.321	1.302		24.6	25.0	-1.5	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4557	0.4196		23.0	25.0	-7.9	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5358.D
 Lims ID: CCV Client ID:
 Inject. Date: 06-Apr-2013 10:45:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV
 Misc. Info.: 480-0020332-003
 Operator: TF Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 60
 Lims Batch ID: 111319 Lims Sample ID: 3
 Sublist: chrom-N-8260*sub16
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
 Last Update: 06-Apr-2013 11:41:55 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK036

First Level Reviewer: fergusont

Date: 06-Apr-2013 11:41:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	340144	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	83	300978	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	90	166851	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	86	124166	25.9	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	391885	24.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	82	126283	23.0	
12 Chlorodifluoromethane	51	0.920	0.920	0.0	71	64249	25.6	
17 Dichlorofluoromethane	67	1.456	1.456	0.0	94	172258	27.2	
19 Ethyl ether	59	1.650	1.650	0.0	92	96258	27.5	
81 Propene oxide	58	1.711	1.711	0.0	86	117283	118.8	
26 Isopropyl alcohol	45	2.076	2.076	0.0	88	151062	389.5	
27 3-Chloro-1-propene	41	2.107	2.107	0.0	90	220526	24.1	
31 2-Methyl-2-propanol	59	2.405	2.405	0.0	96	264685	418.1	
35 Hexane	57	2.618	2.618	0.0	94	167553	23.1	
37 Isopropyl ether	45	2.843	2.843	0.0	92	437080	25.7	
38 2-Chloro-1,3-butadiene	53	2.861	2.861	0.0	90	199909	25.4	
40 1,1-Dimethoxyethane	75	2.910	2.910	0.0	92	93432	98.8	
41 Tert-butyl ethyl ether	59	3.159	3.159	0.0	95	373318	23.9	
45 Ethyl acetate	43	3.415	3.415	0.0	98	119287	22.5	
46 Propionitrile	54	3.445	3.445	0.0	99	181083	247.0	
48 Methacrylonitrile	41	3.555	3.555	0.0	93	75390	24.7	
56 Isobutyl alcohol	43	4.126	4.126	0.0	92	344683	846.8	
58 Tert-amyl methyl ether	73	4.151	4.151	0.0	88	336076	23.4	
59 n-Heptane	43	4.260	4.260	0.0	93	192912	27.8	
61 n-Butanol	56	4.735	4.735	0.0	91	141609	821.9	
65 Methyl methacrylate	41	5.009	5.009	0.0	87	99662	23.8	
66 1,4-Dioxane	88	5.033	5.033	0.0	79	43250	831.5	
68 2-Nitropropane	43	5.404	5.404	0.0	98	64156	46.1	
70 Epichlorohydrin	57	5.526	5.526	0.0	99	223733	454.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
74 2-Methylthiophene	97	5.970	5.970	0.0	97	372467	24.4	
86 3-Chlorobenzotrifluoride	180	7.266	7.266	0.0	91	171687	23.0	
87 4-Chlorobenzotrifluoride	180	7.332	7.332	0.0	96	161813	23.3	
94 2-Chlorobenzotrifluoride	180	8.215	8.215	0.0	95	175024	22.5	
96 Cyclohexanone	55	8.428	8.428	0.0	92	229401	382.4	
103 3-Chlorotoluene	126	8.884	8.884	0.0	93	135000	23.9	
107 Pentachloroethane	167	9.310	9.310	0.0	83	61173	19.7	
112 Dicyclopentadiene	66	9.687	9.687	0.0	95	533840	22.5	
114 1,2,3-Trimethylbenzene	105	9.760	9.760	0.0	98	478758	24.6	
118 1,3,5-Trichlorobenzene	180	11.007	11.007	0.0	98	186461	22.8	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5358.D

Injection Date: 06-Apr-2013 10:45:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 3

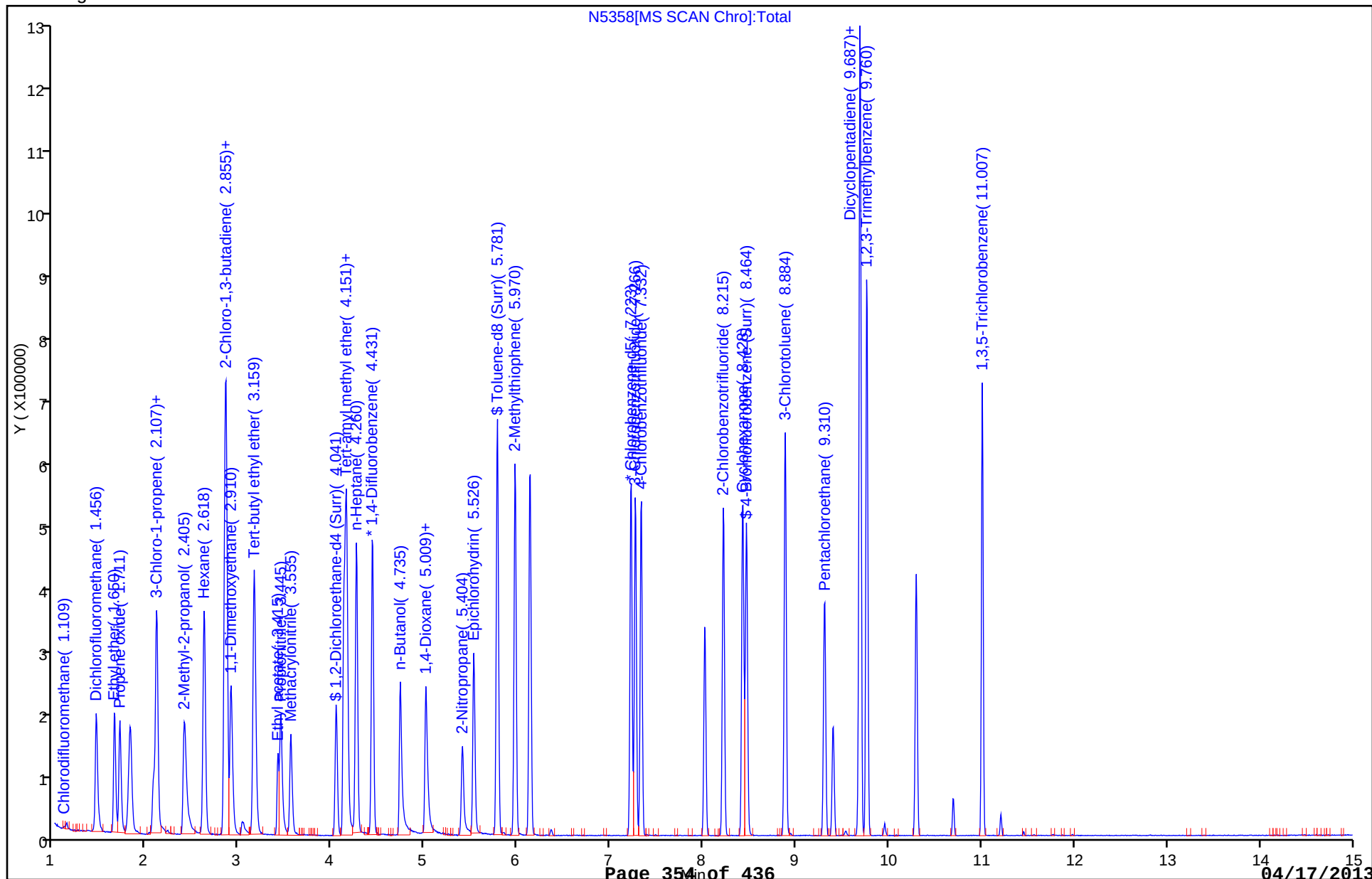
Operator ID: TF

Purge Vol: 5.000 mL

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.: 480-35528-1

SDG No.: _____

Lab Sample ID: CCV 480-111319/3 Calibration Date: 04/06/2013 10:45

Instrument ID: HP5973N Calib Start Date: 03/14/2013 17:04

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/14/2013 19:02

Lab File ID: N5358.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
Chlorodifluoromethane	Lin		0.1889		25.6	25.0	2.4	50.0
Dichlorofluoromethane	Ave	0.4659	0.5064		27.2	25.0	8.7	50.0
Ethyl ether	Ave	0.2575	0.2830		27.5	25.0	9.9	50.0
Isopropyl alcohol	Ave	0.0285	0.0222		389	500	-22.1	50.0
Allyl chloride	Ave	0.6732	0.6483		24.1	25.0	-3.7	50.0
t-Butyl alcohol	Ave	0.0465	0.0389		418	500	-16.4	50.0
Hexane	Ave	0.5323	0.4926		23.1	25.0	-7.5	50.0
Isopropyl ether	Ave	1.248	1.285		25.7	25.0	3.0	50.0
Chloroprene	Ave	0.5790	0.5877		25.4	25.0	1.5	50.0
1,1-Dimethoxyethane	Ave	0.0695	0.0549		98.8	125	-20.9	50.0
Tert-butyl ethyl ether	Ave	1.147	1.098		23.9	25.0	-4.3	50.0
Ethyl acetate	Ave	0.3899	0.3507		22.5	25.0	-10.0	50.0
Propionitrile	Ave	0.0539	0.0532		247	250	-1.2	50.0
Methacrylonitrile	Lin1		0.2216		24.7	25.0	-1.3	50.0
Isobutyl alcohol	Ave	0.0299	0.0253		847	1000	-15.3	50.0
Tert-amyl methyl ether	Ave	1.055	0.9880		23.4	25.0	-6.3	50.0
n-Heptane	Lin1		0.5672		27.8	25.0	11.2	50.0
n-Butanol	Ave	0.0127	0.0104		822	1000	-17.8	50.0
Methyl methacrylate	Lin1		0.2930		23.8	25.0	-4.6	50.0
1,4-Dioxane	Ave	0.0043	0.0036		832	1000	-16.8	50.0
2-Nitropropane	Ave	0.2083	0.0769		46.1	125	-63.1*	50.0
Epichlorohydrin	Ave	0.0362	0.0329		454	500	-9.1	50.0
2-Methylthiophene	Ave	2.290	2.232		24.4	25.0	-2.5	50.0
3-Chlorobenzotrifluoride	Ave	1.119	1.029		23.0	25.0	-8.0	50.0
p-Monochlorobenzotrifluoride	Ave	1.042	0.9698		23.3	25.0	-6.9	50.0
2-Chlorobenzotrifluoride	Ave	1.163	1.049		22.5	25.0	-9.8	50.0
Cyclohexanone	Lin1		0.1375		382	250	53.0*	50.0
3-Chlorotoluene	Ave	0.8463	0.8091		23.9	25.0	-4.4	50.0
Pentachloroethane	Ave	0.4657	0.3666		19.7	25.0	-21.3	50.0
Dicyclopentadiene	Ave	3.550	3.200		22.5	25.0	-9.9	50.0
1,2,3-Trimethylbenzene	Ave	2.922	2.869		24.6	25.0	-1.8	50.0
1,3,5-Trichlorobenzene	Ave	1.228	1.118		22.8	25.0	-9.0	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5358.D
 Lims ID: CCV Client ID:
 Inject. Date: 06-Apr-2013 10:45:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV
 Misc. Info.: 480-0020332-003
 Operator: TF Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 60
 Lims Batch ID: 111319 Lims Sample ID: 3
 Sublist: chrom-N-8260*sub16
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
 Last Update: 06-Apr-2013 11:41:55 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK036

First Level Reviewer: fergusont

Date: 06-Apr-2013 11:41:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	340144	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	83	300978	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	90	166851	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	86	124166	25.9	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	391885	24.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	82	126283	23.0	
12 Chlorodifluoromethane	51	0.920	0.920	0.0	71	64249	25.6	
17 Dichlorofluoromethane	67	1.456	1.456	0.0	94	172258	27.2	
19 Ethyl ether	59	1.650	1.650	0.0	92	96258	27.5	
81 Propene oxide	58	1.711	1.711	0.0	86	117283	118.8	
26 Isopropyl alcohol	45	2.076	2.076	0.0	88	151062	389.5	
27 3-Chloro-1-propene	41	2.107	2.107	0.0	90	220526	24.1	
31 2-Methyl-2-propanol	59	2.405	2.405	0.0	96	264685	418.1	
35 Hexane	57	2.618	2.618	0.0	94	167553	23.1	
37 Isopropyl ether	45	2.843	2.843	0.0	92	437080	25.7	
38 2-Chloro-1,3-butadiene	53	2.861	2.861	0.0	90	199909	25.4	
40 1,1-Dimethoxyethane	75	2.910	2.910	0.0	92	93432	98.8	
41 Tert-butyl ethyl ether	59	3.159	3.159	0.0	95	373318	23.9	
45 Ethyl acetate	43	3.415	3.415	0.0	98	119287	22.5	
46 Propionitrile	54	3.445	3.445	0.0	99	181083	247.0	
48 Methacrylonitrile	41	3.555	3.555	0.0	93	75390	24.7	
56 Isobutyl alcohol	43	4.126	4.126	0.0	92	344683	846.8	
58 Tert-amyl methyl ether	73	4.151	4.151	0.0	88	336076	23.4	
59 n-Heptane	43	4.260	4.260	0.0	93	192912	27.8	
61 n-Butanol	56	4.735	4.735	0.0	91	141609	821.9	
65 Methyl methacrylate	41	5.009	5.009	0.0	87	99662	23.8	
66 1,4-Dioxane	88	5.033	5.033	0.0	79	43250	831.5	
68 2-Nitropropane	43	5.404	5.404	0.0	98	64156	46.1	
70 Epichlorohydrin	57	5.526	5.526	0.0	99	223733	454.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
74 2-Methylthiophene	97	5.970	5.970	0.0	97	372467	24.4	
86 3-Chlorobenzotrifluoride	180	7.266	7.266	0.0	91	171687	23.0	
87 4-Chlorobenzotrifluoride	180	7.332	7.332	0.0	96	161813	23.3	
94 2-Chlorobenzotrifluoride	180	8.215	8.215	0.0	95	175024	22.5	
96 Cyclohexanone	55	8.428	8.428	0.0	92	229401	382.4	
103 3-Chlorotoluene	126	8.884	8.884	0.0	93	135000	23.9	
107 Pentachloroethane	167	9.310	9.310	0.0	83	61173	19.7	
112 Dicyclopentadiene	66	9.687	9.687	0.0	95	533840	22.5	
114 1,2,3-Trimethylbenzene	105	9.760	9.760	0.0	98	478758	24.6	
118 1,3,5-Trichlorobenzene	180	11.007	11.007	0.0	98	186461	22.8	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5358.D

Injection Date: 06-Apr-2013 10:45:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 3

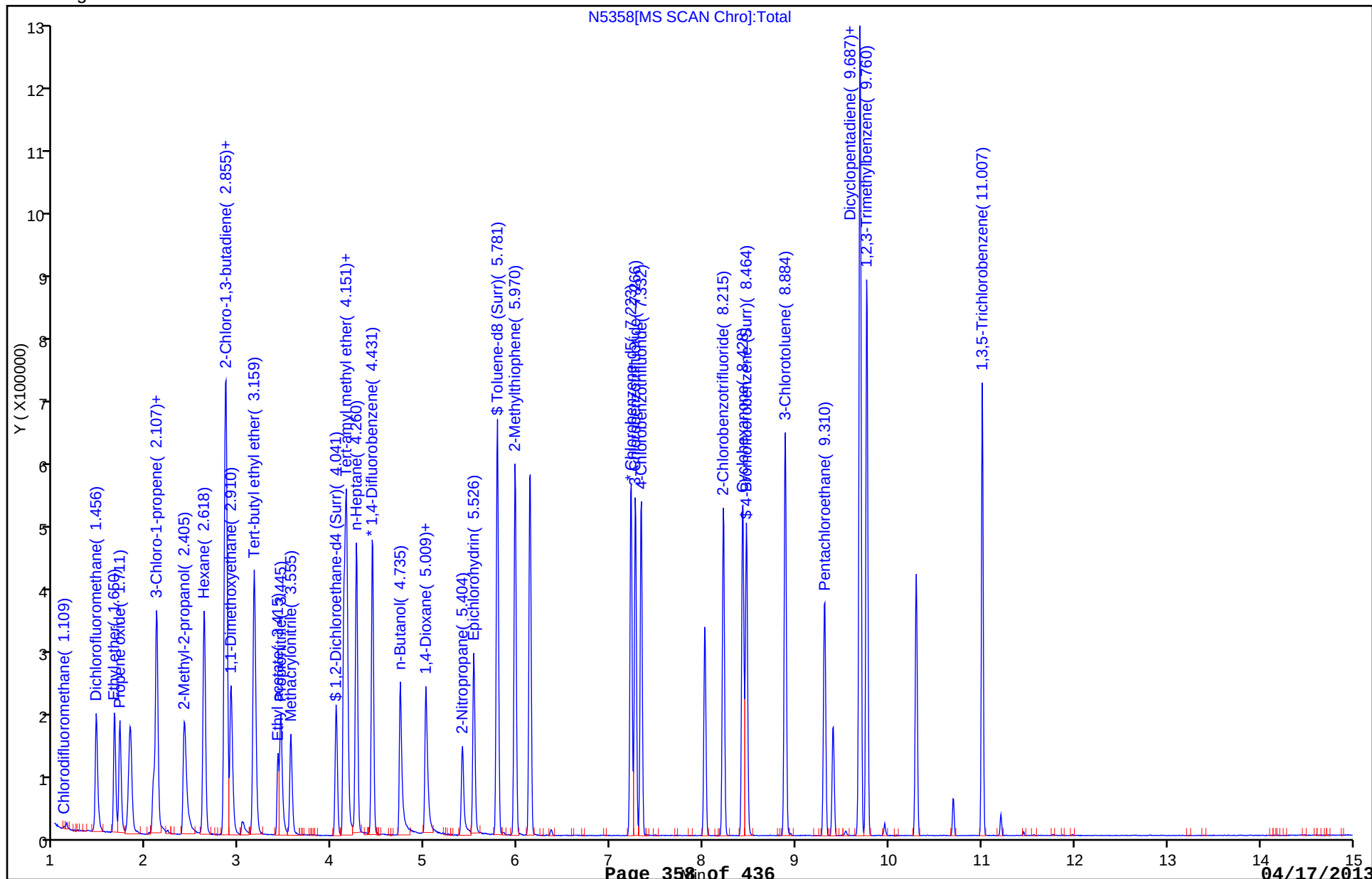
Operator ID: TF

Purge Vol: 5.000 mL

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.: 480-35528-1

SDG No.: _____

Lab Sample ID: CCVIS 480-111445/3 Calibration Date: 04/08/2013 09:34

Instrument ID: HP5973N Calib Start Date: 03/14/2013 12:28

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/14/2013 14:26

Lab File ID: N5385.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	0.2141	0.2857		33.4	25.0	33.4	50.0
Chloromethane	Ave	0.3415	0.3497	0.1000	25.6	25.0	2.4	50.0
Vinyl chloride	Ave	0.3094	0.3160		25.5	25.0	2.1	20.0
Bromomethane	Qua		0.1172		29.3	25.0	17.0	50.0
Chloroethane	Qua		0.1513		28.9	25.0	15.6	50.0
Trichlorofluoromethane	Ave	0.3054	0.3445		28.2	25.0	12.8	50.0
Acrolein	Lin1		0.0098		353	500	-29.4	50.0
1,1-Dichloroethene	Ave	0.2402	0.2418	0.1000	25.2	25.0	0.7	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2029	0.1851		22.8	25.0	-8.8	50.0
Acetone	Ave	0.1149	0.1039		113	125	-9.6	50.0
Iodomethane	Ave	0.3303	0.3017		22.8	25.0	-8.6	50.0
Carbon disulfide	Ave	0.8966	0.6340		17.7	25.0	-29.3	50.0
Acetonitrile	Ave	0.0274	0.0237		864	1000	-13.6	50.0
Methyl acetate	Ave	0.4819	0.4217		21.9	25.0	-12.5	50.0
Methylene Chloride	Ave	0.3737	0.3606		24.1	25.0	-3.5	50.0
trans-1,2-Dichloroethene	Ave	0.3347	0.3450		25.8	25.0	3.1	50.0
Methyl tert-butyl ether	Ave	1.064	0.9872		23.2	25.0	-7.2	50.0
Acrylonitrile	Ave	0.1348	0.1184		110	125	-12.2	50.0
1,1-Dichloroethane	Ave	0.6219	0.6035		24.3	25.0	-3.0	50.0
Vinyl acetate	Lin		0.4920		121	125	-3.4	50.0
2,2-Dichloropropane	Ave	0.4375	0.3617		20.7	25.0	-17.3	50.0
cis-1,2-Dichloroethene	Ave	0.3620	0.3633		25.1	25.0	0.4	50.0
2-Butanone (MEK)	Lin1		0.1509		108	125	-13.6	50.0
Bromochloromethane	Ave	0.1782	0.1783		25.0	25.0	0.0	50.0
Tetrahydrofuran	Ave	0.1198	0.0981		102	125	-18.1	50.0
Chloroform	Ave	0.5950	0.5613		23.6	25.0	-5.7	20.0
1,1,1-Trichloroethane	Ave	0.4677	0.4537		24.3	25.0	-3.0	50.0
Cyclohexane	Ave	0.5630	0.4592		20.4	25.0	-18.4	50.0
Carbon tetrachloride	Ave	0.4070	0.3786		23.3	25.0	-7.0	50.0
1,1-Dichloropropene	Ave	0.4497	0.4562		25.4	25.0	1.5	50.0
Benzene	Ave	1.353	1.351		25.0	25.0	-0.1	50.0
1,2-Dichloroethane	Ave	0.4507	0.4292		23.8	25.0	-4.8	50.0
Trichloroethene	Ave	0.3339	0.3225		24.2	25.0	-3.4	50.0
Methylcyclohexane	Ave	0.5680	0.5324		23.4	25.0	-6.3	50.0
1,2-Dichloropropane	Ave	0.3383	0.3132		23.1	25.0	-7.4	20.0
Dibromomethane	Ave	0.1959	0.1821		23.2	25.0	-7.0	50.0
Bromodichloromethane	Ave	0.4316	0.3612		20.9	25.0	-16.3	50.0
2-Chloroethyl vinyl ether	Ave	0.2079	0.1868		112	125	-10.1	50.0
cis-1,3-Dichloropropene	Ave	0.5314	0.4634		21.8	25.0	-12.8	50.0
4-Methyl-2-pentanone (MIBK)	Lin1		0.3489		119	125	-4.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Lab Sample ID: CCVIS 480-111445/3 Calibration Date: 04/08/2013 09:34

Instrument ID: HP5973N Calib Start Date: 03/14/2013 12:28

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/14/2013 14:26

Lab File ID: N5385.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	0.9836	0.9555		24.3	25.0	-2.9	20.0
trans-1,3-Dichloropropene	Ave	0.5520	0.4498		20.4	25.0	-18.5	50.0
Ethyl methacrylate	Ave	0.5188	0.4423		21.3	25.0	-14.8	50.0
1,1,2-Trichloroethane	Ave	0.2769	0.2513		22.7	25.0	-9.3	50.0
Tetrachloroethene	Ave	0.4324	0.4091		23.7	25.0	-5.4	50.0
1,3-Dichloropropane	Ave	0.5714	0.5251		23.0	25.0	-8.1	50.0
2-Hexanone	Ave	0.2836	0.2452		108	125	-13.6	50.0
Dibromochloromethane	Ave	0.3422	0.2785		20.3	25.0	-18.6	50.0
1,2-Dibromoethane	Ave	0.3396	0.3184		23.4	25.0	-6.2	50.0
Chlorobenzene	Ave	1.067	1.049	0.3000	24.6	25.0	-1.7	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3757	0.3386		22.5	25.0	-9.9	50.0
Ethylbenzene	Ave	1.738	1.733		24.9	25.0	-0.3	20.0
m,p-Xylene	Ave	0.7208	0.7190		49.9	50.0	-0.2	50.0
o-Xylene	Ave	0.7499	0.7168		23.9	25.0	-4.4	50.0
Styrene	Ave	1.217	1.207		24.8	25.0	-0.7	50.0
Bromoform	Ave	0.2121	0.1440	0.1000	17.0	25.0	-32.1	50.0
Isopropylbenzene	Ave	3.418	3.248		23.8	25.0	-5.0	50.0
Bromobenzene	Ave	0.8826	0.8310		23.5	25.0	-5.9	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8132	0.7189	0.3000	22.1	25.0	-11.6	50.0
1,2,3-Trichloropropane	Ave	0.2390	0.2202		23.0	25.0	-7.9	50.0
N-Propylbenzene	Ave	3.877	3.734		24.1	25.0	-3.7	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2078	0.1601		96.3	125	-22.9	50.0
2-Chlorotoluene	Ave	0.8184	0.7930		24.2	25.0	-3.1	50.0
1,3,5-Trimethylbenzene	Ave	2.868	2.747		23.9	25.0	-4.2	50.0
4-Chlorotoluene	Ave	2.682	2.549		23.8	25.0	-5.0	50.0
tert-Butylbenzene	Ave	0.6687	0.6521		24.4	25.0	-2.5	50.0
1,2,4-Trimethylbenzene	Ave	2.879	2.754		23.9	25.0	-4.4	50.0
sec-Butylbenzene	Ave	3.630	3.541		24.4	25.0	-2.4	50.0
1,3-Dichlorobenzene	Ave	1.737	1.651		23.8	25.0	-5.0	50.0
4-Isopropyltoluene	Ave	3.054	2.995		24.5	25.0	-1.9	50.0
1,4-Dichlorobenzene	Ave	1.743	1.663		23.9	25.0	-4.6	50.0
n-Butylbenzene	Ave	2.723	2.685		24.7	25.0	-1.4	50.0
1,2-Dichlorobenzene	Ave	1.597	1.544		24.2	25.0	-3.3	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1198	0.0907		18.9	25.0	-24.3	50.0
1,2,4-Trichlorobenzene	Ave	0.9808	0.9793		25.0	25.0	-0.2	50.0
Hexachlorobutadiene	Ave	0.4542	0.4189		23.1	25.0	-7.8	50.0
Naphthalene	Lin		2.138		27.9	25.0	11.5	50.0
1,2,3-Trichlorobenzene	Lin		0.8127		26.9	25.0	7.6	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3520	0.3462		24.6	25.0	-1.7	50.0
Toluene-d8 (Surr)	Ave	1.321	1.274		24.1	25.0	-3.6	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4557	0.4240		23.3	25.0	-7.0	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5385.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 08-Apr-2013 09:34:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0020354-003
 Operator: LH/NQ Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 27
 Lims Batch ID: 111445 Lims Sample ID: 3
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N-8260.m
 Last Update: 08-Apr-2013 09:56:38 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 09:56:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	355157	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	84	306350	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	84	170185	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	87	122940	24.6	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	80	390366	24.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.464	8.464	0.0	88	129882	23.3	
11 Dichlorodifluoromethane	85	0.902	0.902	0.0	98	101455	33.4	
13 Chloromethane	50	0.993	0.993	0.0	100	124192	25.6	
14 Vinyl chloride	62	1.066	1.066	0.0	98	112228	25.5	
15 Bromomethane	94	1.249	1.249	0.0	89	41619	29.3	
16 Chloroethane	64	1.310	1.310	0.0	98	53723	28.9	
18 Trichlorofluoromethane	101	1.443	1.443	0.0	89	122354	28.2	
20 Acrolein	56	1.778	1.778	0.0	91	69403	353.1	
22 1,1-Dichloroethene	96	1.802	1.802	0.0	97	85863	25.2	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.821	1.821	0.0	88	65740	22.8	
23 Acetone	43	1.906	1.906	0.0	99	184425	113.0	
24 Iodomethane	142	1.924	1.924	0.0	98	107159	22.8	
25 Carbon disulfide	76	1.954	1.954	0.0	98	225159	17.7	
29 Acetonitrile	40	2.149	2.149	0.0	99	336763	864.3	
28 Methyl acetate	43	2.155	2.155	0.0	96	149783	21.9	
30 Methylene Chloride	84	2.228	2.228	0.0	86	128081	24.1	
33 trans-1,2-Dichloroethene	96	2.429	2.429	0.0	97	122543	25.8	
32 Methyl tert-butyl ether	73	2.435	2.435	0.0	90	350612	23.2	
34 Acrylonitrile	53	2.478	2.478	0.0	97	210331	109.8	
36 1,1-Dichloroethane	63	2.800	2.800	0.0	85	214351	24.3	
39 Vinyl acetate	43	2.867	2.867	0.0	98	873689	120.7	
42 2,2-Dichloropropane	77	3.281	3.281	0.0	90	128446	20.7	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	79	129033	25.1	
44 2-Butanone (MEK)	43	3.366	3.366	0.0	100	267952	108.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
47 Chlorobromomethane	128	3.530	3.530	0.0	94	63327	25.0	
49 Tetrahydrofuran	42	3.567	3.567	0.0	85	174277	102.4	
50 Chloroform	83	3.615	3.615	0.0	93	199349	23.6	
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	96	161132	24.3	
52 Cyclohexane	56	3.719	3.719	0.0	91	163086	20.4	
53 Carbon tetrachloride	117	3.846	3.846	0.0	91	134445	23.3	
54 1,1-Dichloropropene	75	3.859	3.859	0.0	93	162021	25.4	
55 Benzene	78	4.047	4.047	0.0	97	479685	25.0	
57 1,2-Dichloroethane	62	4.108	4.108	0.0	98	152441	23.8	
60 Trichloroethene	95	4.643	4.643	0.0	94	114546	24.2	
62 Methylcyclohexane	83	4.753	4.753	0.0	91	189080	23.4	
63 1,2-Dichloropropane	63	4.862	4.862	0.0	92	111250	23.1	
64 Dibromomethane	93	4.996	4.996	0.0	90	64686	23.2	
67 Dichlorobromomethane	83	5.161	5.161	0.0	96	128275	20.9	
69 2-Chloroethyl vinyl ether	63	5.459	5.459	0.0	93	331788	112.3	
71 cis-1,3-Dichloropropene	75	5.568	5.568	0.0	89	164576	21.8	
72 4-Methyl-2-pentanone (MIBK)	43	5.732	5.732	0.0	97	534406	118.9	
73 Toluene	92	5.842	5.842	0.0	92	292710	24.3	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	94	137806	20.4	
77 Ethyl methacrylate	69	6.213	6.213	0.0	89	135496	21.3	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	90	76973	22.7	
79 Tetrachloroethene	166	6.359	6.359	0.0	93	125324	23.7	
80 1,3-Dichloropropane	76	6.462	6.462	0.0	92	160849	23.0	
82 2-Hexanone	43	6.560	6.560	0.0	95	375528	108.1	
83 Chlorodibromomethane	129	6.688	6.688	0.0	85	85320	20.3	
84 Ethylene Dibromide	107	6.767	6.767	0.0	97	97555	23.4	
85 Chlorobenzene	112	7.247	7.247	0.0	94	321209	24.6	
88 Ethylbenzene	91	7.357	7.357	0.0	98	530762	24.9	
89 1,1,1,2-Tetrachloroethane	131	7.357	7.357	0.0	91	103719	22.5	
90 m-Xylene & p-Xylene	106	7.484	7.484	0.0	98	440547	49.9	
91 o-Xylene	106	7.892	7.892	0.0	96	219584	23.9	
92 Styrene	104	7.929	7.929	0.0	94	369900	24.8	
93 Bromoform	173	8.148	8.148	0.0	94	44126	17.0	
95 Isopropylbenzene	105	8.281	8.281	0.0	96	552747	23.8	
97 Bromobenzene	156	8.604	8.604	0.0	92	141416	23.5	
98 1,1,2,2-Tetrachloroethane	83	8.701	8.701	0.0	96	122339	22.1	
99 1,2,3-Trichloropropane	110	8.719	8.719	0.0	79	37467	23.0	
100 N-Propylbenzene	91	8.726	8.726	0.0	97	635549	24.1	
101 trans-1,4-Dichloro-2-butene	53	8.750	8.750	0.0	90	136240	96.3	
102 2-Chlorotoluene	126	8.811	8.811	0.0	96	134961	24.2	
104 1,3,5-Trimethylbenzene	105	8.926	8.926	0.0	87	467512	23.9	
105 4-Chlorotoluene	91	8.932	8.932	0.0	98	433848	23.8	
106 tert-Butylbenzene	134	9.261	9.261	0.0	89	110969	24.4	
108 1,2,4-Trimethylbenzene	105	9.322	9.322	0.0	91	468650	23.9	
109 sec-Butylbenzene	105	9.498	9.498	0.0	94	602626	24.4	
110 1,3-Dichlorobenzene	146	9.620	9.620	0.0	98	280905	23.8	
111 4-Isopropyltoluene	119	9.662	9.662	0.0	87	509648	24.5	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	90	283032	23.9	
115 n-Butylbenzene	91	10.076	10.076	0.0	94	456985	24.7	
116 1,2-Dichlorobenzene	146	10.088	10.088	0.0	97	262787	24.2	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	62	15440	18.9	
119 1,2,4-Trichlorobenzene	180	11.560	11.560	0.0	94	166666	25.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	11.700	11.700	0.0	97	71294	23.1	
121 Naphthalene	128	11.767	11.767	0.0	97	363878	27.9	
122 1,2,3-Trichlorobenzene	180	11.980	11.980	0.0	95	138308	26.9	
S 123 1,3-Dichloropropene, Total	1				0		42.2	
S 124 1,2-Dichloroethene, Total	1				0		50.9	
S 125 Total BTEX	1				0		147.9	
S 126 Xylenes, Total	1				0		73.8	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5385.D

Injection Date: 08-Apr-2013 09:34:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 3

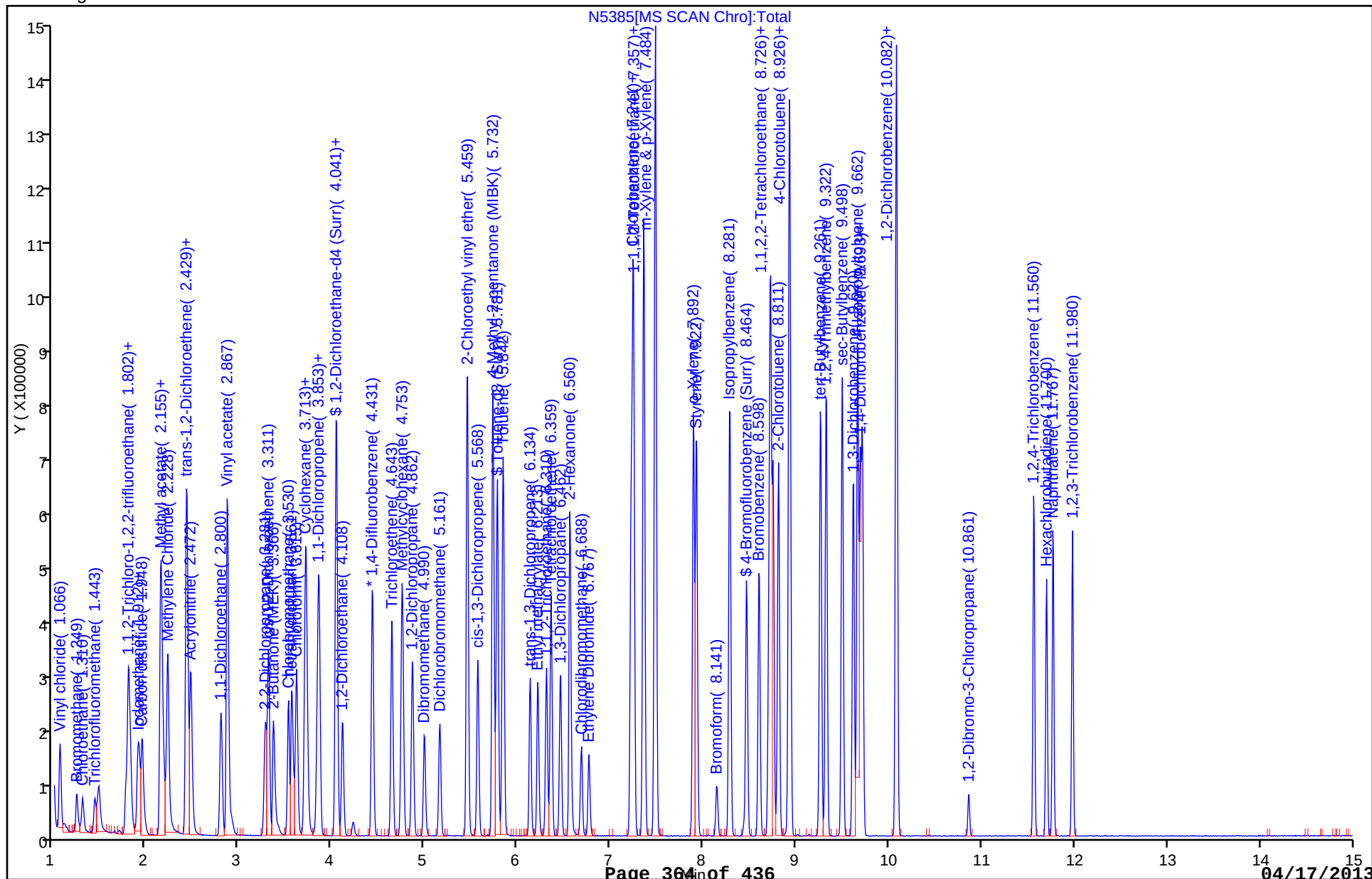
Operator ID: LH/NQ

Purge Vol: 5.000 mL

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.: 480-35528-1
SDG No.: _____
Lab Sample ID: CCV 480-111445/4 Calibration Date: 04/08/2013 10:13
Instrument ID: HP5973N Calib Start Date: 03/14/2013 12:28
GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/14/2013 14:26
Lab File ID: N5386.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
1,2-Dichloroethane-d4 (Surr)	Ave	0.3520	0.3585		25.5	25.0	1.9	50.0
Toluene-d8 (Surr)	Ave	1.321	1.298		24.6	25.0	-1.8	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4557	0.4146		22.7	25.0	-9.0	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5386.D
 Lims ID: CCV Client ID:
 Inject. Date: 08-Apr-2013 10:13:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV
 Misc. Info.: 480-0020354-004
 Operator: LH/NQ Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 28
 Lims Batch ID: 111445 Lims Sample ID: 4
 Sublist: chrom-N-8260*sub16
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N-8260.m
 Last Update: 08-Apr-2013 11:26:11 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 11:26:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.431	4.431	0.0	95	348860	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	84	296921	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	89	165061	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	87	125073	25.5	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	83	385431	24.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	84	123094	22.7	
12 Chlorodifluoromethane	51	0.920	0.920	0.0	95	87684	32.9	
17 Dichlorofluoromethane	67	1.456	1.456	0.0	93	184547	28.4	
19 Ethyl ether	59	1.650	1.650	0.0	92	100876	28.1	
81 Propene oxide	58	1.711	1.711	0.0	86	113319	111.9	
26 Isopropyl alcohol	45	2.070	2.070	0.0	96	163244	410.4	
27 3-Chloro-1-propene	41	2.107	2.107	0.0	89	225841	24.0	
31 2-Methyl-2-propanol	59	2.405	2.405	0.0	96	299491	461.2	
35 Hexane	57	2.618	2.618	0.0	94	157118	21.2	
37 Isopropyl ether	45	2.843	2.843	0.0	91	455282	26.1	
38 2-Chloro-1,3-butadiene	53	2.861	2.861	0.0	91	206274	25.5	
40 1,1-Dimethoxyethane	75	2.910	2.910	0.0	93	96733	99.8	
41 Tert-butyl ethyl ether	59	3.159	3.159	0.0	95	359132	22.4	
45 Ethyl acetate	43	3.415	3.415	0.0	99	130494	24.0	
46 Propionitrile	54	3.445	3.445	0.0	99	192894	256.5	
48 Methacrylonitrile	41	3.555	3.555	0.0	93	81311	26.0	
56 Isobutyl alcohol	43	4.126	4.126	0.0	94	358491	858.7	
58 Tert-amyl methyl ether	73	4.151	4.151	0.0	90	332685	22.6	
59 n-Heptane	43	4.260	4.260	0.0	92	188971	26.5	
61 n-Butanol	56	4.735	4.735	0.0	91	149811	847.8	
65 Methyl methacrylate	41	5.009	5.009	0.0	87	105326	24.6	
66 1,4-Dioxane	88	5.033	5.033	0.0	77	49399	962.7	
68 2-Nitropropane	43	5.404	5.404	0.0	98	73121	53.2	
70 Epichlorohydrin	57	5.526	5.526	0.0	98	220111	435.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
74 2-Methylthiophene	97	5.970	5.970	0.0	97	357835	23.7	
86 3-Chlorobenzotrifluoride	180	7.272	7.272	0.0	87	173594	23.5	
87 4-Chlorobenzotrifluoride	180	7.332	7.332	0.0	96	158201	23.0	
94 2-Chlorobenzotrifluoride	180	8.215	8.215	0.0	95	173160	22.5	
96 Cyclohexanone	55	8.421	8.421	0.0	93	183057	306.4	
103 3-Chlorotoluene	126	8.884	8.884	0.0	93	129091	23.1	
107 Pentachloroethane	167	9.310	9.310	0.0	82	66072	21.5	
112 Dicyclopentadiene	66	9.687	9.687	0.0	97	514069	21.9	
114 1,2,3-Trimethylbenzene	105	9.766	9.766	0.0	98	458694	23.8	
118 1,3,5-Trichlorobenzene	180	11.007	11.007	0.0	98	180827	22.3	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5386.D

Injection Date: 08-Apr-2013 10:13:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 4

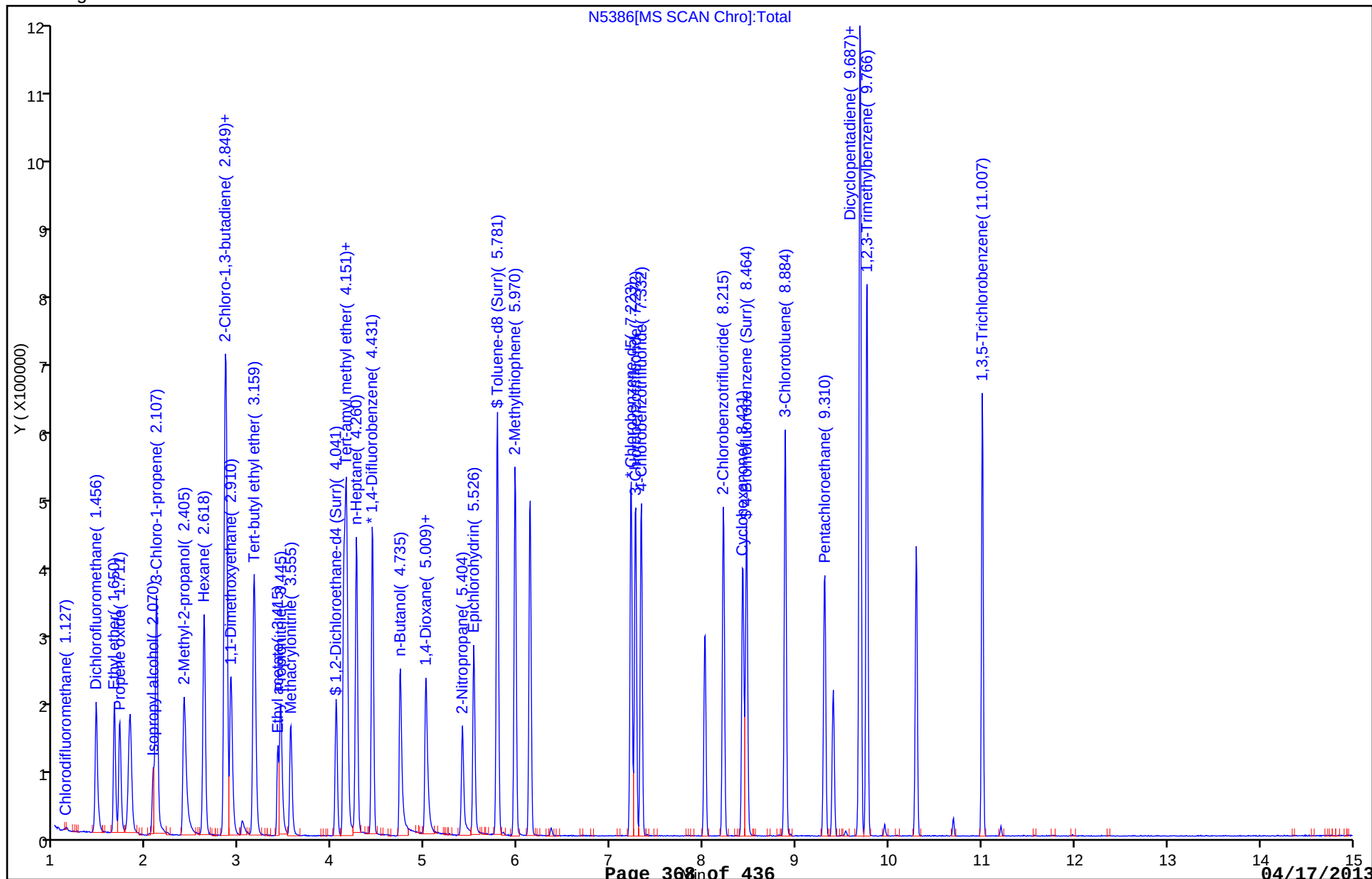
Operator ID: LH/NQ

Purge Vol: 5.000 mL

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.: 480-35528-1

SDG No.: _____

Lab Sample ID: CCV 480-111445/4 Calibration Date: 04/08/2013 10:13

Instrument ID: HP5973N Calib Start Date: 03/14/2013 17:04

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/14/2013 19:02

Lab File ID: N5386.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
Chlorodifluoromethane	Lin		0.2513		32.9	25.0	31.4	50.0
Dichlorofluoromethane	Ave	0.4659	0.5290		28.4	25.0	13.5	50.0
Ethyl ether	Ave	0.2575	0.2892		28.1	25.0	12.3	50.0
Isopropyl alcohol	Ave	0.0285	0.0234		410	500	-17.9	50.0
Allyl chloride	Ave	0.6732	0.6474		24.0	25.0	-3.8	50.0
t-Butyl alcohol	Ave	0.0465	0.0429		461	500	-7.8	50.0
Hexane	Ave	0.5323	0.4504		21.2	25.0	-15.4	50.0
Isopropyl ether	Ave	1.248	1.305		26.1	25.0	4.6	50.0
Chloroprene	Ave	0.5790	0.5913		25.5	25.0	2.1	50.0
1,1-Dimethoxyethane	Ave	0.0695	0.0555		99.8	125	-20.2	50.0
Tert-butyl ethyl ether	Ave	1.147	1.029		22.4	25.0	-10.3	50.0
Ethyl acetate	Ave	0.3899	0.3741		24.0	25.0	-4.1	50.0
Propionitrile	Ave	0.0539	0.0553		257	250	2.6	50.0
Methacrylonitrile	Lin1		0.2331		26.0	25.0	4.0	50.0
Isobutyl alcohol	Ave	0.0299	0.0257		859	1000	-14.1	50.0
Tert-amyl methyl ether	Ave	1.055	0.9536		22.6	25.0	-9.6	50.0
n-Heptane	Lin1		0.5417		26.5	25.0	6.1	50.0
n-Butanol	Ave	0.0127	0.0107		848	1000	-15.2	50.0
Methyl methacrylate	Lin1		0.3019		24.6	25.0	-1.7	50.0
1,4-Dioxane	Ave	0.0043	0.0042		963	1000	-3.7	50.0
2-Nitropropane	Ave	0.2083	0.0886		53.2	125	-57.5*	50.0
Epichlorohydrin	Ave	0.0362	0.0316		436	500	-12.8	50.0
2-Methylthiophene	Ave	2.290	2.168		23.7	25.0	-5.3	50.0
3-Chlorobenzotrifluoride	Ave	1.119	1.052		23.5	25.0	-6.0	50.0
p-Monochlorobenzotrifluoride	Ave	1.042	0.9584		23.0	25.0	-8.0	50.0
2-Chlorobenzotrifluoride	Ave	1.163	1.049		22.5	25.0	-9.8	50.0
Cyclohexanone	Lin1		0.1109		306	250	22.6	50.0
3-Chlorotoluene	Ave	0.8463	0.7821		23.1	25.0	-7.6	50.0
Pentachloroethane	Ave	0.4657	0.4003		21.5	25.0	-14.1	50.0
Dicyclopentadiene	Ave	3.550	3.114		21.9	25.0	-12.3	50.0
1,2,3-Trimethylbenzene	Ave	2.922	2.779		23.8	25.0	-4.9	50.0
1,3,5-Trichlorobenzene	Ave	1.228	1.096		22.3	25.0	-10.8	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5386.D
 Lims ID: CCV Client ID:
 Inject. Date: 08-Apr-2013 10:13:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV
 Misc. Info.: 480-0020354-004
 Operator: LH/NQ Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 28
 Lims Batch ID: 111445 Lims Sample ID: 4
 Sublist: chrom-N-8260*sub16
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N-8260.m
 Last Update: 08-Apr-2013 11:26:11 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 11:26:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.431	4.431	0.0	95	348860	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	84	296921	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	89	165061	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	87	125073	25.5	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	83	385431	24.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	84	123094	22.7	
12 Chlorodifluoromethane	51	0.920	0.920	0.0	95	87684	32.9	
17 Dichlorofluoromethane	67	1.456	1.456	0.0	93	184547	28.4	
19 Ethyl ether	59	1.650	1.650	0.0	92	100876	28.1	
81 Propene oxide	58	1.711	1.711	0.0	86	113319	111.9	
26 Isopropyl alcohol	45	2.070	2.070	0.0	96	163244	410.4	
27 3-Chloro-1-propene	41	2.107	2.107	0.0	89	225841	24.0	
31 2-Methyl-2-propanol	59	2.405	2.405	0.0	96	299491	461.2	
35 Hexane	57	2.618	2.618	0.0	94	157118	21.2	
37 Isopropyl ether	45	2.843	2.843	0.0	91	455282	26.1	
38 2-Chloro-1,3-butadiene	53	2.861	2.861	0.0	91	206274	25.5	
40 1,1-Dimethoxyethane	75	2.910	2.910	0.0	93	96733	99.8	
41 Tert-butyl ethyl ether	59	3.159	3.159	0.0	95	359132	22.4	
45 Ethyl acetate	43	3.415	3.415	0.0	99	130494	24.0	
46 Propionitrile	54	3.445	3.445	0.0	99	192894	256.5	
48 Methacrylonitrile	41	3.555	3.555	0.0	93	81311	26.0	
56 Isobutyl alcohol	43	4.126	4.126	0.0	94	358491	858.7	
58 Tert-amyl methyl ether	73	4.151	4.151	0.0	90	332685	22.6	
59 n-Heptane	43	4.260	4.260	0.0	92	188971	26.5	
61 n-Butanol	56	4.735	4.735	0.0	91	149811	847.8	
65 Methyl methacrylate	41	5.009	5.009	0.0	87	105326	24.6	
66 1,4-Dioxane	88	5.033	5.033	0.0	77	49399	962.7	
68 2-Nitropropane	43	5.404	5.404	0.0	98	73121	53.2	
70 Epichlorohydrin	57	5.526	5.526	0.0	98	220111	435.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
74 2-Methylthiophene	97	5.970	5.970	0.0	97	357835	23.7	
86 3-Chlorobenzotrifluoride	180	7.272	7.272	0.0	87	173594	23.5	
87 4-Chlorobenzotrifluoride	180	7.332	7.332	0.0	96	158201	23.0	
94 2-Chlorobenzotrifluoride	180	8.215	8.215	0.0	95	173160	22.5	
96 Cyclohexanone	55	8.421	8.421	0.0	93	183057	306.4	
103 3-Chlorotoluene	126	8.884	8.884	0.0	93	129091	23.1	
107 Pentachloroethane	167	9.310	9.310	0.0	82	66072	21.5	
112 Dicyclopentadiene	66	9.687	9.687	0.0	97	514069	21.9	
114 1,2,3-Trimethylbenzene	105	9.766	9.766	0.0	98	458694	23.8	
118 1,3,5-Trichlorobenzene	180	11.007	11.007	0.0	98	180827	22.3	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5386.D

Injection Date: 08-Apr-2013 10:13:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 4

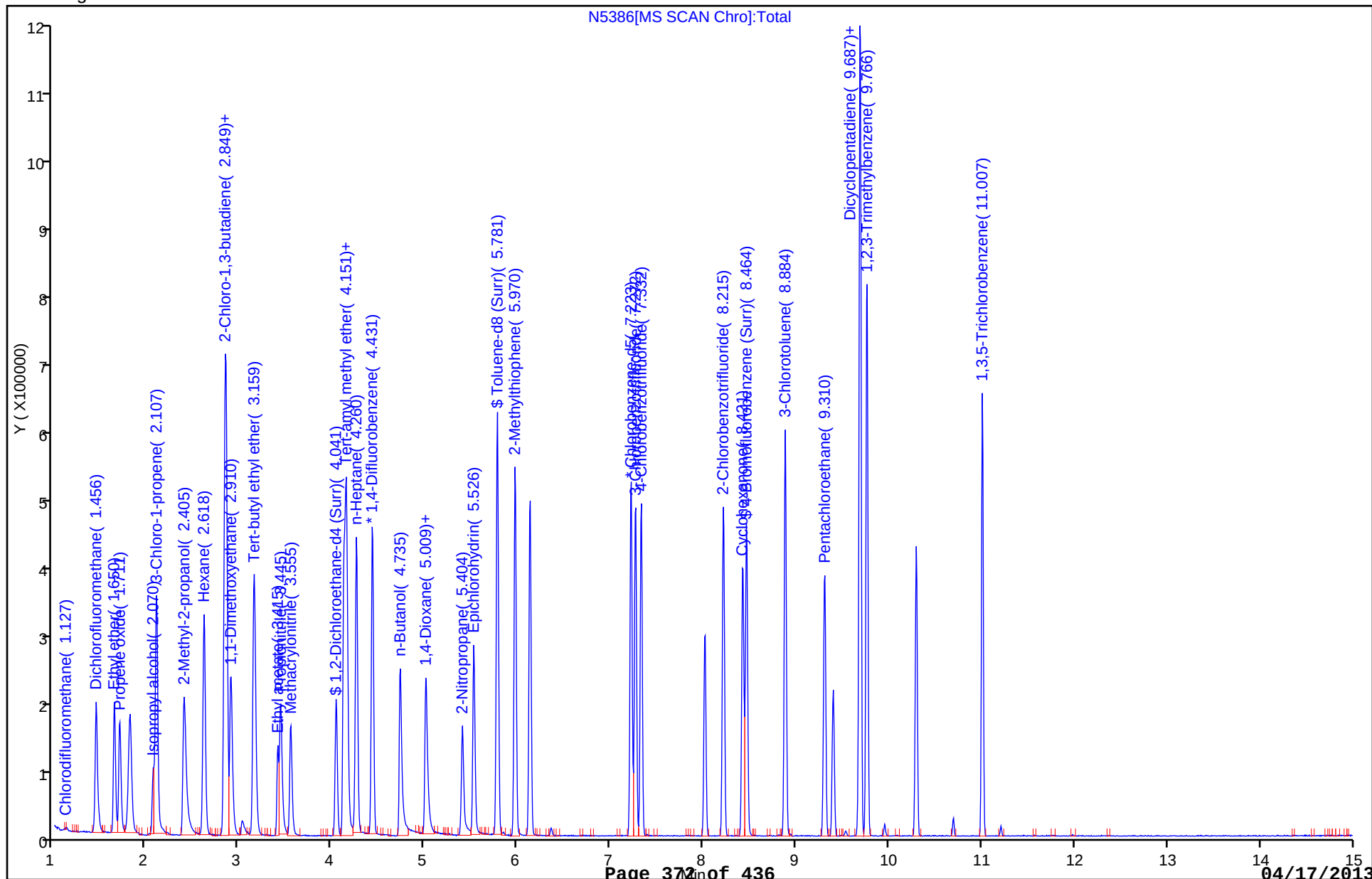
Operator ID: LH/NQ

Purge Vol: 5.000 mL

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.: 480-35528-1

SDG No.: _____

Lab Sample ID: CCVIS 480-111593/2 Calibration Date: 04/08/2013 20:47

Instrument ID: HP5973N Calib Start Date: 03/14/2013 12:28

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/14/2013 14:26

Lab File ID: N5410.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	0.2141	0.2926		34.2	25.0	36.7	50.0
Chloromethane	Ave	0.3415	0.3698	0.1000	27.1	25.0	8.3	50.0
Vinyl chloride	Ave	0.3094	0.3309		26.7	25.0	6.9	20.0
Bromomethane	Qua		0.1152		28.8	25.0	15.0	50.0
Chloroethane	Qua		0.1540		29.4	25.0	17.5	50.0
Trichlorofluoromethane	Ave	0.3054	0.3246		26.6	25.0	6.3	50.0
Acrolein	Lin1		0.0096		347	500	-30.5	50.0
1,1-Dichloroethene	Ave	0.2402	0.2424	0.1000	25.2	25.0	0.9	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2029	0.1864		23.0	25.0	-8.1	50.0
Acetone	Ave	0.1149	0.1050		114	125	-8.6	50.0
Iodomethane	Ave	0.3303	0.2867		21.7	25.0	-13.2	50.0
Carbon disulfide	Ave	0.8966	0.5953		16.6	25.0	-33.6	50.0
Acetonitrile	Ave	0.0274	0.0246		896	1000	-10.4	50.0
Methyl acetate	Ave	0.4819	0.4141		21.5	25.0	-14.1	50.0
Methylene Chloride	Ave	0.3737	0.3681		24.6	25.0	-1.5	50.0
trans-1,2-Dichloroethene	Ave	0.3347	0.3389		25.3	25.0	1.2	50.0
Methyl tert-butyl ether	Ave	1.064	0.9407		22.1	25.0	-11.6	50.0
Acrylonitrile	Ave	0.1348	0.1198		111	125	-11.1	50.0
1,1-Dichloroethane	Ave	0.6219	0.5963		24.0	25.0	-4.1	50.0
Vinyl acetate	Lin		0.4544		110	125	-12.2	50.0
2,2-Dichloropropane	Ave	0.4375	0.3496		20.0	25.0	-20.1	50.0
cis-1,2-Dichloroethene	Ave	0.3620	0.3638		25.1	25.0	0.5	50.0
2-Butanone (MEK)	Lin1		0.1562		112	125	-10.5	50.0
Bromochloromethane	Ave	0.1782	0.1701		23.9	25.0	-4.6	50.0
Tetrahydrofuran	Ave	0.1198	0.0980		102	125	-18.3	50.0
Chloroform	Ave	0.5950	0.5581		23.4	25.0	-6.2	20.0
1,1,1-Trichloroethane	Ave	0.4677	0.4321		23.1	25.0	-7.6	50.0
Cyclohexane	Ave	0.5630	0.4817		21.4	25.0	-14.4	50.0
Carbon tetrachloride	Ave	0.4070	0.3631		22.3	25.0	-10.8	50.0
1,1-Dichloropropene	Ave	0.4497	0.4582		25.5	25.0	1.9	50.0
Benzene	Ave	1.353	1.357		25.1	25.0	0.3	50.0
1,2-Dichloroethane	Ave	0.4507	0.4247		23.6	25.0	-5.8	50.0
Trichloroethene	Ave	0.3339	0.3255		24.4	25.0	-2.5	50.0
Methylcyclohexane	Ave	0.5680	0.5285		23.3	25.0	-7.0	50.0
1,2-Dichloropropane	Ave	0.3383	0.3180		23.5	25.0	-6.0	20.0
Dibromomethane	Ave	0.1959	0.1782		22.7	25.0	-9.1	50.0
Bromodichloromethane	Ave	0.4316	0.3372		19.5	25.0	-21.9	50.0
2-Chloroethyl vinyl ether	Ave	0.2079	0.1836		110	125	-11.7	50.0
cis-1,3-Dichloropropene	Ave	0.5314	0.4476		21.1	25.0	-15.8	50.0
4-Methyl-2-pentanone (MIBK)	Lin1		0.3562		121	125	-2.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Lab Sample ID: CCVIS 480-111593/2 Calibration Date: 04/08/2013 20:47

Instrument ID: HP5973N Calib Start Date: 03/14/2013 12:28

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/14/2013 14:26

Lab File ID: N5410.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	0.9836	0.9730		24.7	25.0	-1.1	20.0
trans-1,3-Dichloropropene	Ave	0.5520	0.4406		20.0	25.0	-20.2	50.0
Ethyl methacrylate	Ave	0.5188	0.4316		20.8	25.0	-16.8	50.0
1,1,2-Trichloroethane	Ave	0.2769	0.2595		23.4	25.0	-6.3	50.0
Tetrachloroethene	Ave	0.4324	0.4164		24.1	25.0	-3.7	50.0
1,3-Dichloropropane	Ave	0.5714	0.5398		23.6	25.0	-5.5	50.0
2-Hexanone	Ave	0.2836	0.2482		109	125	-12.5	50.0
Dibromochloromethane	Ave	0.3422	0.2624		19.2	25.0	-23.3	50.0
1,2-Dibromoethane	Ave	0.3396	0.3188		23.5	25.0	-6.1	50.0
Chlorobenzene	Ave	1.067	1.056	0.3000	24.7	25.0	-1.0	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3757	0.3345		22.3	25.0	-11.0	50.0
Ethylbenzene	Ave	1.738	1.732		24.9	25.0	-0.3	20.0
m,p-Xylene	Ave	0.7208	0.7247		50.3	50.0	0.6	50.0
o-Xylene	Ave	0.7499	0.7216		24.1	25.0	-3.8	50.0
Styrene	Ave	1.217	1.184		24.3	25.0	-2.7	50.0
Bromoform	Ave	0.2121	0.1314	0.1000	15.5	25.0	-38.1	50.0
Isopropylbenzene	Ave	3.418	3.394		24.8	25.0	-0.7	50.0
Bromobenzene	Ave	0.8826	0.8348		23.6	25.0	-5.4	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8132	0.7433	0.3000	22.9	25.0	-8.6	50.0
1,2,3-Trichloropropane	Ave	0.2390	0.2265		23.7	25.0	-5.2	50.0
N-Propylbenzene	Ave	3.877	3.843		24.8	25.0	-0.9	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2078	0.1615		97.2	125	-22.3	50.0
2-Chlorotoluene	Ave	0.8184	0.8032		24.5	25.0	-1.9	50.0
1,3,5-Trimethylbenzene	Ave	2.868	2.851		24.9	25.0	-0.6	50.0
4-Chlorotoluene	Ave	2.682	2.598		24.2	25.0	-3.2	50.0
tert-Butylbenzene	Ave	0.6687	0.6675		25.0	25.0	-0.2	50.0
1,2,4-Trimethylbenzene	Ave	2.879	2.844		24.7	25.0	-1.2	50.0
sec-Butylbenzene	Ave	3.630	3.685		25.4	25.0	1.5	50.0
1,3-Dichlorobenzene	Ave	1.737	1.666		24.0	25.0	-4.1	50.0
4-Isopropyltoluene	Ave	3.054	3.050		25.0	25.0	-0.1	50.0
1,4-Dichlorobenzene	Ave	1.743	1.694		24.3	25.0	-2.8	50.0
n-Butylbenzene	Ave	2.723	2.754		25.3	25.0	1.1	50.0
1,2-Dichlorobenzene	Ave	1.597	1.560		24.4	25.0	-2.4	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1198	0.0887		18.5	25.0	-26.0	50.0
1,2,4-Trichlorobenzene	Ave	0.9808	0.9803		25.0	25.0	-0.0	50.0
Hexachlorobutadiene	Ave	0.4542	0.4367		24.0	25.0	-3.8	50.0
Naphthalene	Lin		2.162		28.2	25.0	12.9	50.0
1,2,3-Trichlorobenzene	Lin		0.8235		27.3	25.0	9.2	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3520	0.3363		23.9	25.0	-4.5	50.0
Toluene-d8 (Surr)	Ave	1.321	1.304		24.7	25.0	-1.3	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4557	0.4113		22.6	25.0	-9.7	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5410.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 08-Apr-2013 20:47:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0020382-002
 Operator: RAL Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 52
 Lims Batch ID: 111593 Lims Sample ID: 2
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N-8260.m
 Last Update: 08-Apr-2013 21:06:54 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK006

First Level Reviewer: larsonr

Date: 08-Apr-2013 21:06:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	359859	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	84	302354	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	73	164904	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	91	121012	23.9	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	80	394118	24.7	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	88	124362	22.6	
11 Dichlorodifluoromethane	85	0.902	0.902	0.0	98	105292	34.2	
13 Chloromethane	50	0.987	0.987	0.0	100	133087	27.1	
14 Vinyl chloride	62	1.060	1.060	0.0	99	119067	26.7	
15 Bromomethane	94	1.243	1.243	0.0	89	41449	28.8	
16 Chloroethane	64	1.310	1.310	0.0	98	55414	29.4	
18 Trichlorofluoromethane	101	1.444	1.444	0.0	93	116794	26.6	
20 Acrolein	56	1.778	1.778	0.0	96	69204	347.3	
22 1,1-Dichloroethene	96	1.809	1.809	0.0	96	87220	25.2	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.815	1.815	0.0	79	67072	23.0	
23 Acetone	43	1.906	1.906	0.0	99	188836	114.2	
24 Iodomethane	142	1.924	1.924	0.0	97	103158	21.7	
25 Carbon disulfide	76	1.955	1.955	0.0	98	214223	16.6	
29 Acetonitrile	40	2.155	2.155	0.0	100	353757	896.0	
28 Methyl acetate	43	2.161	2.161	0.0	96	149002	21.5	
30 Methylene Chloride	84	2.228	2.228	0.0	87	132467	24.6	
33 trans-1,2-Dichloroethene	96	2.429	2.429	0.0	97	121941	25.3	
32 Methyl tert-butyl ether	73	2.435	2.435	0.0	91	338526	22.1	
34 Acrylonitrile	53	2.478	2.478	0.0	96	215585	111.1	
36 1,1-Dichloroethane	63	2.806	2.806	0.0	97	214568	24.0	
39 Vinyl acetate	43	2.873	2.873	0.0	98	817578	109.8	
42 2,2-Dichloropropane	77	3.281	3.281	0.0	92	125813	20.0	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	79	130907	25.1	
44 2-Butanone (MEK)	43	3.366	3.366	0.0	100	281064	111.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
47 Chlorobromomethane	128	3.530	3.530	0.0	95	61201	23.9	
49 Tetrahydrofuran	42	3.567	3.567	0.0	85	176240	102.2	
50 Chloroform	83	3.615	3.615	0.0	94	200851	23.4	
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	94	155493	23.1	
52 Cyclohexane	56	3.719	3.719	0.0	90	173355	21.4	
53 Carbon tetrachloride	117	3.840	3.840	0.0	88	130650	22.3	
54 1,1-Dichloropropene	75	3.859	3.859	0.0	93	164883	25.5	
55 Benzene	78	4.047	4.047	0.0	97	488154	25.1	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	97	152818	23.6	
60 Trichloroethene	95	4.643	4.643	0.0	93	117143	24.4	
62 Methylcyclohexane	83	4.759	4.759	0.0	90	190197	23.3	
63 1,2-Dichloropropane	63	4.869	4.869	0.0	94	114436	23.5	
64 Dibromomethane	93	4.996	4.996	0.0	89	64123	22.7	
67 Dichlorobromomethane	83	5.161	5.161	0.0	95	121331	19.5	
69 2-Chloroethyl vinyl ether	63	5.459	5.459	0.0	93	330400	110.4	
71 cis-1,3-Dichloropropene	75	5.568	5.568	0.0	89	161065	21.1	
72 4-Methyl-2-pentanone (MIBK)	43	5.732	5.732	0.0	97	538426	121.4	
73 Toluene	92	5.842	5.842	0.0	93	294190	24.7	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	94	133206	20.0	
77 Ethyl methacrylate	69	6.219	6.219	0.0	89	130483	20.8	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	91	78474	23.4	
79 Tetrachloroethene	166	6.359	6.359	0.0	93	125887	24.1	
80 1,3-Dichloropropane	76	6.462	6.462	0.0	89	163213	23.6	
82 2-Hexanone	43	6.560	6.560	0.0	96	375268	109.4	
83 Chlorodibromomethane	129	6.688	6.688	0.0	86	79347	19.2	
84 Ethylene Dibromide	107	6.767	6.767	0.0	97	96381	23.5	
85 Chlorobenzene	112	7.247	7.247	0.0	91	319324	24.7	
89 1,1,1,2-Tetrachloroethane	131	7.357	7.357	0.0	42	101137	22.3	
88 Ethylbenzene	91	7.363	7.363	0.0	98	523797	24.9	
90 m-Xylene & p-Xylene	106	7.485	7.485	0.0	98	438258	50.3	
91 o-Xylene	106	7.892	7.892	0.0	96	218177	24.1	
92 Styrene	104	7.929	7.929	0.0	95	358020	24.3	
93 Bromoform	173	8.148	8.148	0.0	95	39715	15.5	
95 Isopropylbenzene	105	8.288	8.288	0.0	96	559704	24.8	
97 Bromobenzene	156	8.604	8.604	0.0	93	137669	23.6	
98 1,1,2,2-Tetrachloroethane	83	8.701	8.701	0.0	95	122578	22.9	
99 1,2,3-Trichloropropane	110	8.719	8.719	0.0	82	37349	23.7	
100 N-Propylbenzene	91	8.726	8.726	0.0	97	633725	24.8	
101 trans-1,4-Dichloro-2-butene	53	8.750	8.750	0.0	82	133185	97.2	
102 2-Chlorotoluene	126	8.811	8.811	0.0	96	132445	24.5	
104 1,3,5-Trimethylbenzene	105	8.926	8.926	0.0	90	470123	24.9	
105 4-Chlorotoluene	91	8.932	8.932	0.0	99	428338	24.2	
106 tert-Butylbenzene	134	9.261	9.261	0.0	90	110075	25.0	
108 1,2,4-Trimethylbenzene	105	9.328	9.328	0.0	90	469023	24.7	
109 sec-Butylbenzene	105	9.498	9.498	0.0	94	607672	25.4	
110 1,3-Dichlorobenzene	146	9.620	9.620	0.0	97	274675	24.0	
111 4-Isopropyltoluene	119	9.662	9.662	0.0	87	502941	25.0	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	85	279322	24.3	
115 n-Butylbenzene	91	10.076	10.076	0.0	94	454103	25.3	
116 1,2-Dichlorobenzene	146	10.088	10.088	0.0	97	257222	24.4	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	61	14627	18.5	
119 1,2,4-Trichlorobenzene	180	11.561	11.561	0.0	95	161647	25.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	11.700	11.700	0.0	96	72017	24.0	
121 Naphthalene	128	11.767	11.767	0.0	97	356525	28.2	
122 1,2,3-Trichlorobenzene	180	11.980	11.980	0.0	96	135799	27.3	
S 125 Total BTEX	1				0		149.1	
S 126 Xylenes, Total	1				0		74.3	
S 123 1,3-Dichloropropene, Total	1				0		41.0	
S 124 1,2-Dichloroethene, Total	1				0		50.4	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5410.D

Injection Date: 08-Apr-2013 20:47:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 111593

Lims Sample ID: 2

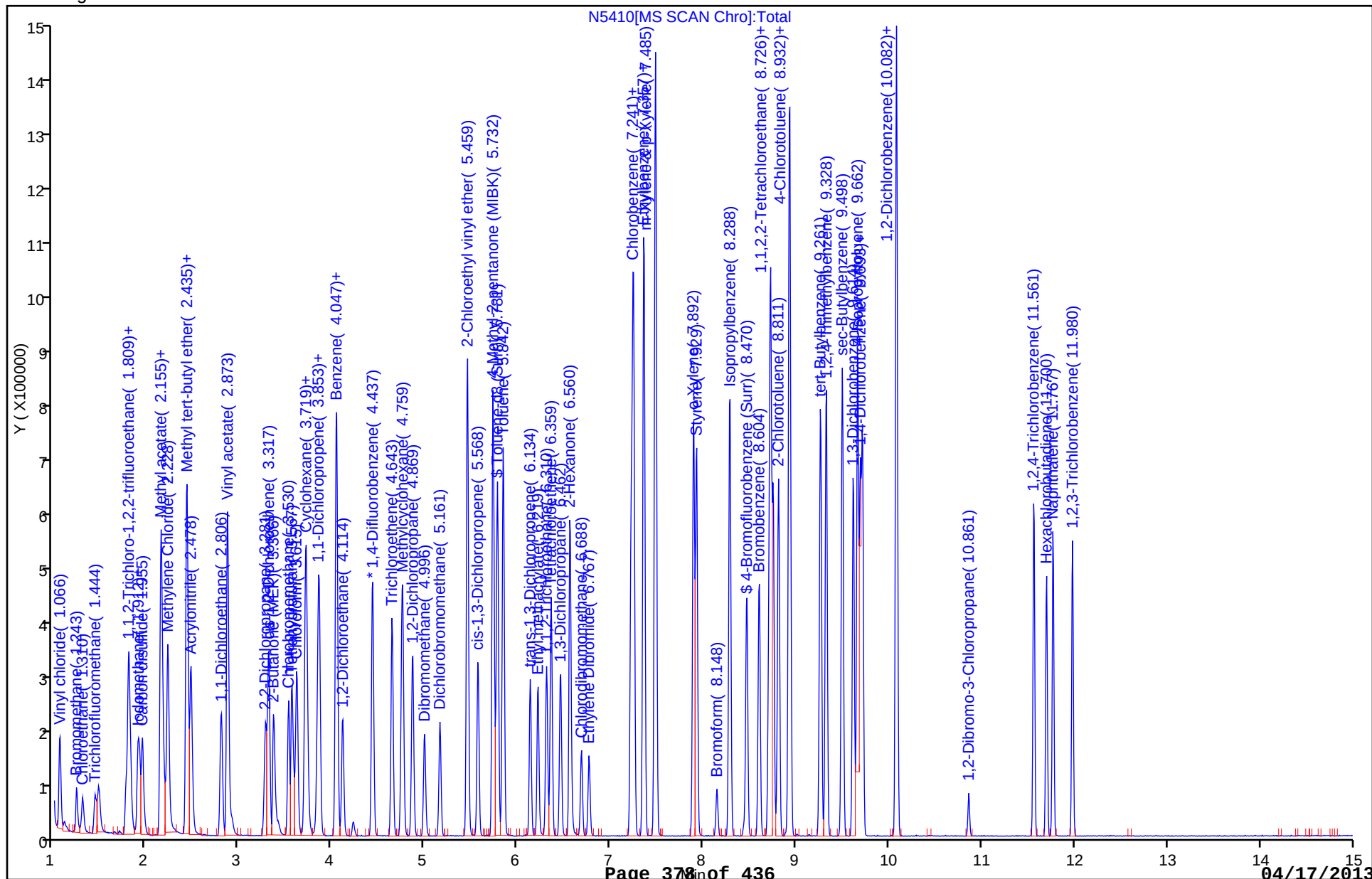
Operator ID: RAL

Purge Vol: 5.000 mL

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.: 480-35528-1
SDG No.: _____
Lab Sample ID: CCV 480-111593/3 Calibration Date: 04/08/2013 21:25
Instrument ID: HP5973N Calib Start Date: 03/14/2013 12:28
GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/14/2013 14:26
Lab File ID: N5411.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
1,2-Dichloroethane-d4 (Surr)	Ave	0.3520	0.3673		26.1	25.0	4.3	50.0
Toluene-d8 (Surr)	Ave	1.321	1.312		24.8	25.0	-0.7	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4557	0.4172		22.9	25.0	-8.4	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5411.D
 Lims ID: CCV Client ID:
 Inject. Date: 08-Apr-2013 21:25:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV
 Misc. Info.: 480-0020382-003
 Operator: RAL Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 53
 Lims Batch ID: 111593 Lims Sample ID: 3
 Sublist: chrom-N-8260*sub16
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N-8260.m
 Last Update: 08-Apr-2013 22:04:39 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK006

First Level Reviewer: larsonr

Date: 08-Apr-2013 22:04:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	94	331697	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	83	277442	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	83	155556	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	86	121829	26.1	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	364066	24.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	84	115752	22.9	
12 Chlorodifluoromethane	51	0.920	0.920	0.0	92	56775	23.5	
17 Dichlorofluoromethane	67	1.456	1.456	0.0	97	152913	24.7	
19 Ethyl ether	59	1.650	1.650	0.0	92	86101	25.2	
81 Propene oxide	58	1.711	1.711	0.0	88	110362	114.6	
26 Isopropyl alcohol	45	2.076	2.076	0.0	96	153057	404.7	
27 3-Chloro-1-propene	41	2.107	2.107	0.0	89	191213	21.4	
31 2-Methyl-2-propanol	59	2.405	2.405	0.0	96	252567	409.1	
35 Hexane	57	2.618	2.618	0.0	93	165567	23.4	
37 Isopropyl ether	45	2.843	2.843	0.0	93	387625	23.4	
38 2-Chloro-1,3-butadiene	53	2.861	2.861	0.0	90	176447	23.0	
40 1,1-Dimethoxyethane	75	2.910	2.910	0.0	92	87787	95.2	
41 Tert-butyl ethyl ether	59	3.159	3.159	0.0	94	342889	22.5	
45 Ethyl acetate	43	3.415	3.415	0.0	98	104880	20.3	
46 Propionitrile	54	3.445	3.445	0.0	99	164940	230.7	
48 Methacrylonitrile	41	3.555	3.555	0.0	93	65538	21.9	
56 Isobutyl alcohol	43	4.126	4.126	0.0	93	311890	785.7	
58 Tert-amyl methyl ether	73	4.157	4.157	0.0	92	306155	21.9	
59 n-Heptane	43	4.260	4.260	0.0	93	178893	26.4	
61 n-Butanol	56	4.735	4.735	0.0	91	121570	723.6	
65 Methyl methacrylate	41	5.009	5.009	0.0	87	85503	20.9	
66 1,4-Dioxane	88	5.033	5.033	0.0	87	49196	1026.1	
68 2-Nitropropane	43	5.404	5.404	0.0	98	50484	38.9	
70 Epichlorohydrin	57	5.526	5.526	0.0	98	207482	432.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
74 2-Methylthiophene	97	5.970	5.970	0.0	97	327617	23.0	
86 3-Chlorobenzotrifluoride	180	7.272	7.272	0.0	82	157016	22.6	
87 4-Chlorobenzotrifluoride	180	7.332	7.332	0.0	92	145669	22.5	
94 2-Chlorobenzotrifluoride	180	8.221	8.221	0.0	95	159456	22.0	
96 Cyclohexanone	55	8.428	8.428	0.0	92	154026	272.4	
103 3-Chlorotoluene	126	8.884	8.884	0.0	93	120618	22.9	
107 Pentachloroethane	167	9.310	9.310	0.0	81	50529	17.4	
112 Dicyclopentadiene	66	9.687	9.687	0.0	96	500852	22.7	
114 1,2,3-Trimethylbenzene	105	9.766	9.766	0.0	98	439481	24.2	
118 1,3,5-Trichlorobenzene	180	11.007	11.007	0.0	97	179230	23.5	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5411.D

Injection Date: 08-Apr-2013 21:25:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 111593

Lims Sample ID: 3

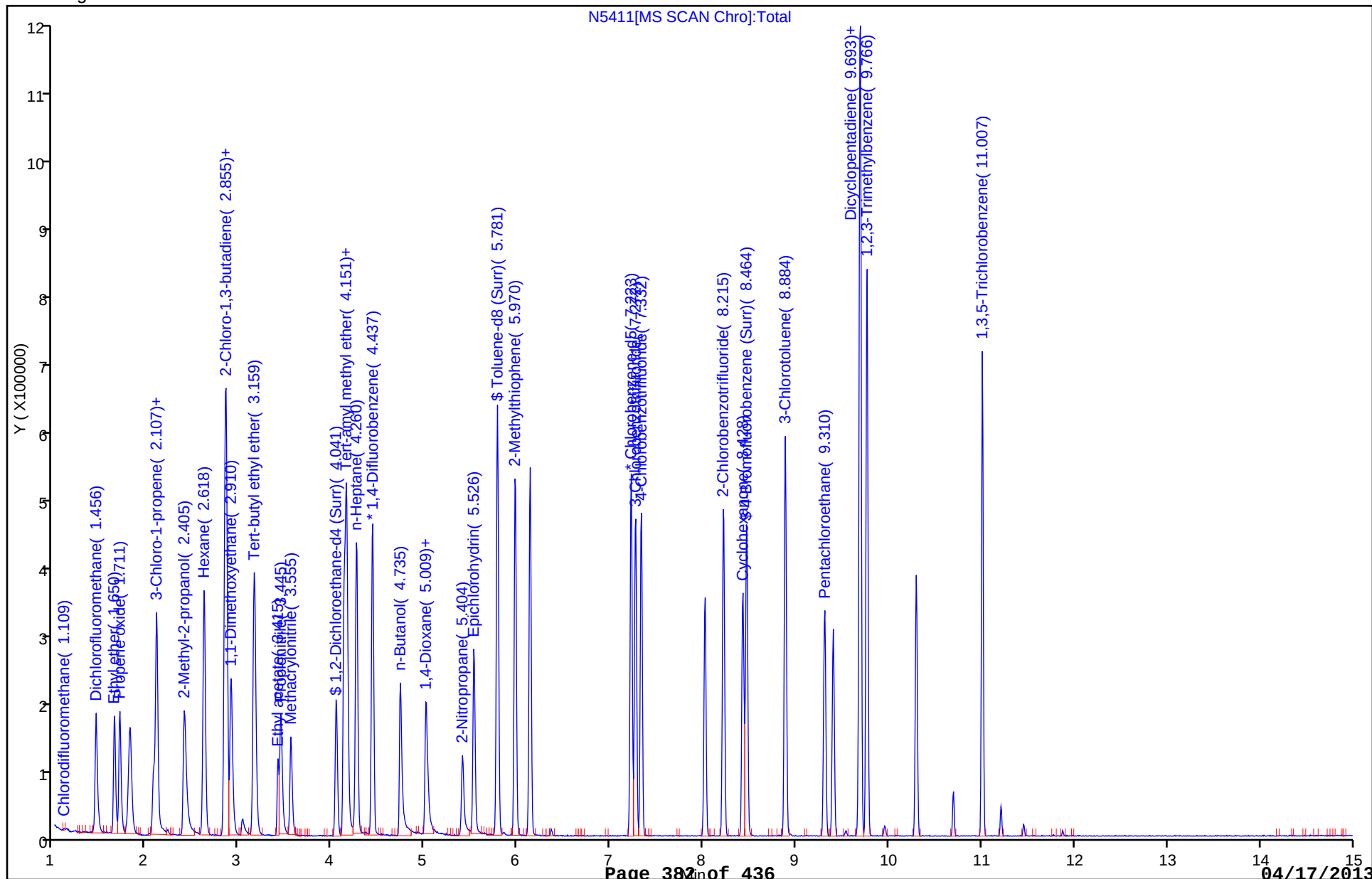
Operator ID: RAL

Purge Vol: 5.000 mL

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.: 480-35528-1
 SDG No.: _____
 Lab Sample ID: CCV 480-111593/3 Calibration Date: 04/08/2013 21:25
 Instrument ID: HP5973N Calib Start Date: 03/14/2013 17:04
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/14/2013 19:02
 Lab File ID: N5411.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
Chlorodifluoromethane	Lin		0.1712		23.5	25.0	-5.8	50.0
Dichlorofluoromethane	Ave	0.4659	0.4610		24.7	25.0	-1.1	50.0
Ethyl ether	Ave	0.2575	0.2596		25.2	25.0	0.8	50.0
Isopropyl alcohol	Ave	0.0285	0.0231		405	500	-19.1	50.0
Allyl chloride	Ave	0.6732	0.5765		21.4	25.0	-14.4	50.0
t-Butyl alcohol	Ave	0.0465	0.0381		409	500	-18.2	50.0
Hexane	Ave	0.5323	0.4992		23.4	25.0	-6.2	50.0
Isopropyl ether	Ave	1.248	1.169		23.4	25.0	-6.3	50.0
Chloroprene	Ave	0.5790	0.5320		23.0	25.0	-8.1	50.0
1,1-Dimethoxyethane	Ave	0.0695	0.0529		95.2	125	-23.8	50.0
Tert-butyl ethyl ether	Ave	1.147	1.034		22.5	25.0	-9.9	50.0
Ethyl acetate	Ave	0.3899	0.3162		20.3	25.0	-18.9	50.0
Propionitrile	Ave	0.0539	0.0497		231	250	-7.7	50.0
Methacrylonitrile	Lin1		0.1976		21.9	25.0	-12.4	50.0
Isobutyl alcohol	Ave	0.0299	0.0235		786	1000	-21.4	50.0
Tert-amyl methyl ether	Ave	1.055	0.9230		21.9	25.0	-12.5	50.0
n-Heptane	Lin1		0.5393		26.4	25.0	5.6	50.0
n-Butanol	Ave	0.0127	0.0092		724	1000	-27.6	50.0
Methyl methacrylate	Lin1		0.2578		20.9	25.0	-16.4	50.0
1,4-Dioxane	Ave	0.0043	0.0044		1030	1000	2.6	50.0
2-Nitropropane	Ave	0.2083	0.0649		38.9	125	-68.8*	50.0
Epichlorohydrin	Ave	0.0362	0.0313		432	500	-13.6	50.0
2-Methylthiophene	Ave	2.290	2.106		23.0	25.0	-8.0	50.0
3-Chlorobenzotrifluoride	Ave	1.119	1.009		22.6	25.0	-9.8	50.0
p-Monochlorobenzotrifluoride	Ave	1.042	0.9364		22.5	25.0	-10.1	50.0
2-Chlorobenzotrifluoride	Ave	1.163	1.025		22.0	25.0	-11.9	50.0
Cyclohexanone	Lin1		0.0990		272	250	9.0	50.0
3-Chlorotoluene	Ave	0.8463	0.7754		22.9	25.0	-8.4	50.0
Pentachloroethane	Ave	0.4657	0.3248		17.4	25.0	-30.3	50.0
Dicyclopentadiene	Ave	3.550	3.220		22.7	25.0	-9.3	50.0
1,2,3-Trimethylbenzene	Ave	2.922	2.825		24.2	25.0	-3.3	50.0
1,3,5-Trichlorobenzene	Ave	1.228	1.152		23.5	25.0	-6.2	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5411.D
 Lims ID: CCV Client ID:
 Inject. Date: 08-Apr-2013 21:25:30 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV
 Misc. Info.: 480-0020382-003
 Operator: RAL Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 53
 Lims Batch ID: 111593 Lims Sample ID: 3
 Sublist: chrom-N-8260*sub16
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N-8260.m
 Last Update: 08-Apr-2013 22:04:39 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK006

First Level Reviewer: larsonr

Date: 08-Apr-2013 22:04:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	94	331697	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	83	277442	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	83	155556	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	86	121829	26.1	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	364066	24.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	84	115752	22.9	
12 Chlorodifluoromethane	51	0.920	0.920	0.0	92	56775	23.5	
17 Dichlorofluoromethane	67	1.456	1.456	0.0	97	152913	24.7	
19 Ethyl ether	59	1.650	1.650	0.0	92	86101	25.2	
81 Propene oxide	58	1.711	1.711	0.0	88	110362	114.6	
26 Isopropyl alcohol	45	2.076	2.076	0.0	96	153057	404.7	
27 3-Chloro-1-propene	41	2.107	2.107	0.0	89	191213	21.4	
31 2-Methyl-2-propanol	59	2.405	2.405	0.0	96	252567	409.1	
35 Hexane	57	2.618	2.618	0.0	93	165567	23.4	
37 Isopropyl ether	45	2.843	2.843	0.0	93	387625	23.4	
38 2-Chloro-1,3-butadiene	53	2.861	2.861	0.0	90	176447	23.0	
40 1,1-Dimethoxyethane	75	2.910	2.910	0.0	92	87787	95.2	
41 Tert-butyl ethyl ether	59	3.159	3.159	0.0	94	342889	22.5	
45 Ethyl acetate	43	3.415	3.415	0.0	98	104880	20.3	
46 Propionitrile	54	3.445	3.445	0.0	99	164940	230.7	
48 Methacrylonitrile	41	3.555	3.555	0.0	93	65538	21.9	
56 Isobutyl alcohol	43	4.126	4.126	0.0	93	311890	785.7	
58 Tert-amyl methyl ether	73	4.157	4.157	0.0	92	306155	21.9	
59 n-Heptane	43	4.260	4.260	0.0	93	178893	26.4	
61 n-Butanol	56	4.735	4.735	0.0	91	121570	723.6	
65 Methyl methacrylate	41	5.009	5.009	0.0	87	85503	20.9	
66 1,4-Dioxane	88	5.033	5.033	0.0	87	49196	1026.1	
68 2-Nitropropane	43	5.404	5.404	0.0	98	50484	38.9	
70 Epichlorohydrin	57	5.526	5.526	0.0	98	207482	432.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
74 2-Methylthiophene	97	5.970	5.970	0.0	97	327617	23.0	
86 3-Chlorobenzotrifluoride	180	7.272	7.272	0.0	82	157016	22.6	
87 4-Chlorobenzotrifluoride	180	7.332	7.332	0.0	92	145669	22.5	
94 2-Chlorobenzotrifluoride	180	8.221	8.221	0.0	95	159456	22.0	
96 Cyclohexanone	55	8.428	8.428	0.0	92	154026	272.4	
103 3-Chlorotoluene	126	8.884	8.884	0.0	93	120618	22.9	
107 Pentachloroethane	167	9.310	9.310	0.0	81	50529	17.4	
112 Dicyclopentadiene	66	9.687	9.687	0.0	96	500852	22.7	
114 1,2,3-Trimethylbenzene	105	9.766	9.766	0.0	98	439481	24.2	
118 1,3,5-Trichlorobenzene	180	11.007	11.007	0.0	97	179230	23.5	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5411.D

Injection Date: 08-Apr-2013 21:25:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 111593

Lims Sample ID: 3

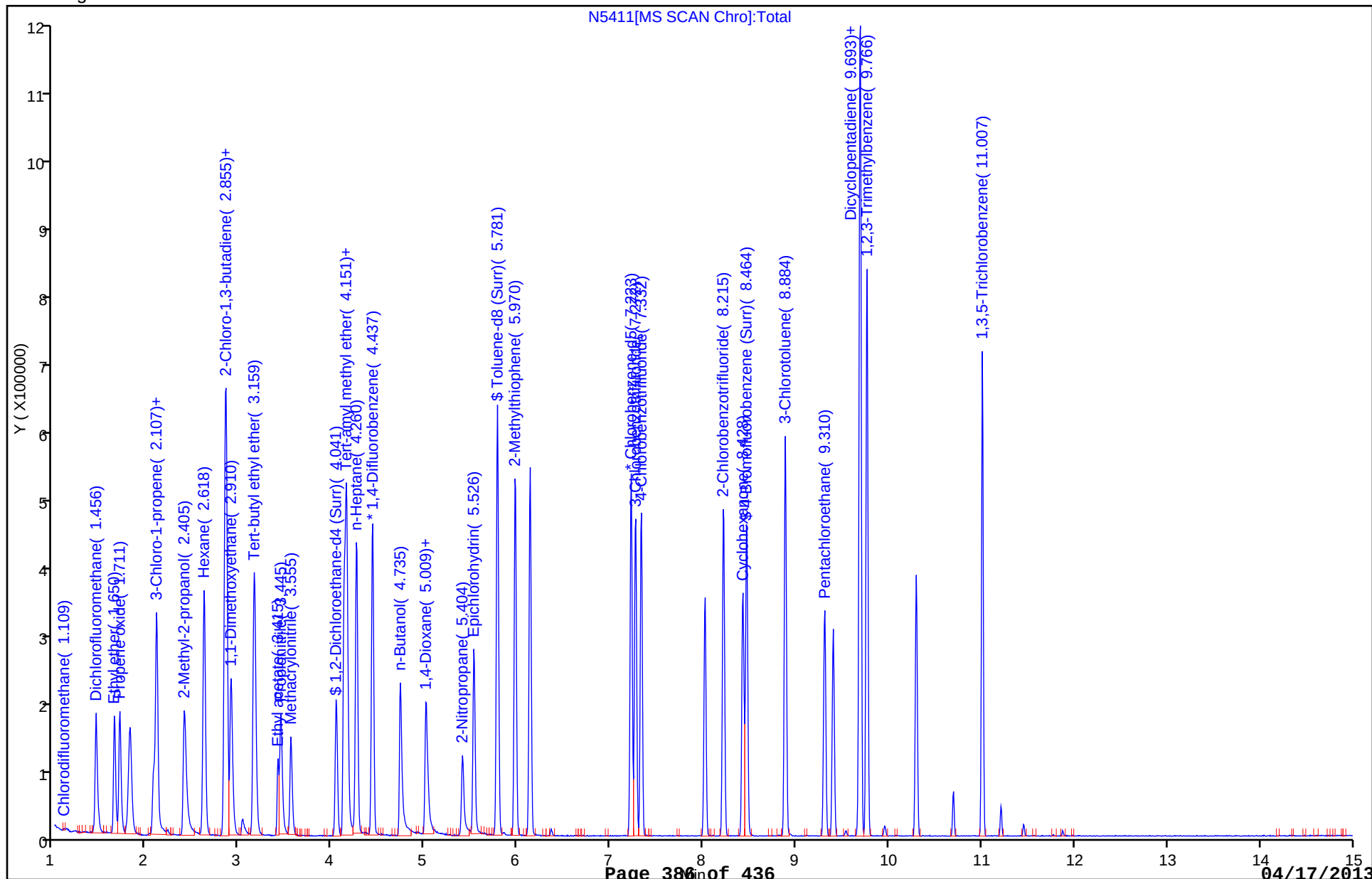
Operator ID: RAL

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4539.D
Lims ID: BFB Client ID:
Inject. Date: 14-Mar-2013 11:28:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0019665-001
Operator: LH Instrument ID: HP5973N
Purge Vol: 5.000 mL ALS Bottle#: 34
Lims Batch ID: 107379 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N-8260.m
Last Update: 14-Mar-2013 23:03:25 Calib Date: 14-Mar-2013 19:02:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK021

First Level Reviewer: larsonr

Date: 14-Mar-2013 23:03:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags

\$ 4 BFB	95	3.260	3.260	0.0	89	132404	0	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4539.D

Injection Date: 14-Mar-2013 11:28:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 107379

Lims Sample ID: 1

Operator ID: LH

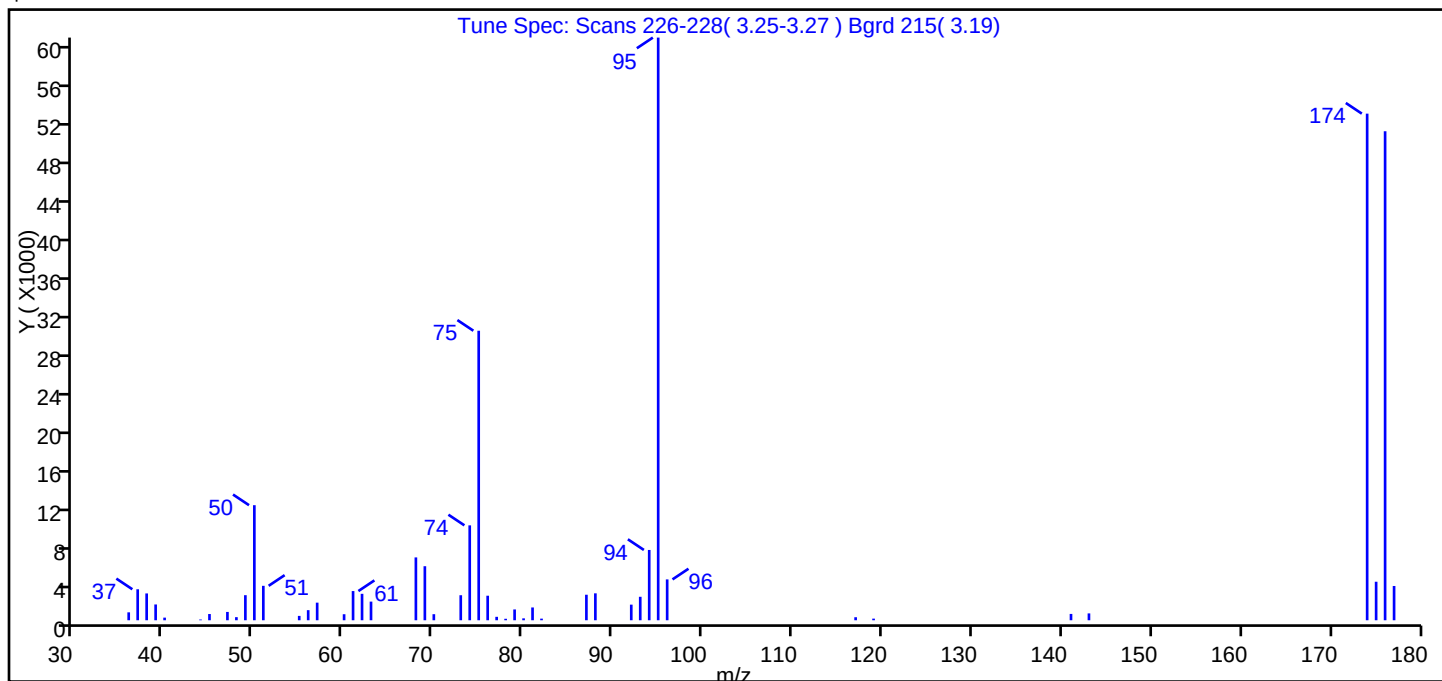
Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.75
75	30.00 - 60.00% of mass 95	49.69
96	5.00 - 9.00% of mass 95	7.01
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	86.95
175	5.00 - 9.00% of mass 174	6.61 (7.60)
176	95.00 - 101.00% of mass 174	83.93 (96.52)
177	5.00 - 9.00% of mass 176	5.88 (7.01)

Data File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4539.D\N-8260.rslt\spectra.d

Injection Date: 14-Mar-2013 11:28:30

Spectrum: Tune Spec: Scans 226-228(3.25-3.27) Bgrd 215(3.19)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 47

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	824	55.00	453	75.00	30120	94.00	7313
37.00	3223	56.00	1050	76.00	2553	95.00	60616
38.00	2790	57.00	1831	77.00	357	96.00	4250
39.00	1643	60.00	627	78.00	154	117.00	315
40.00	273	61.00	3037	79.00	1125	119.00	169
44.00	76	62.00	2751	80.00	198	141.00	658
45.00	648	63.00	1940	81.00	1331	143.00	713
47.00	865	68.00	6538	82.00	169	174.00	52704
48.00	322	69.00	5622	87.00	2655	175.00	4007
49.00	2608	70.00	631	88.00	2801	176.00	50872
50.00	11970	73.00	2604	92.00	1625	177.00	3565
51.00	3582	74.00	9873	93.00	2441		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5356.D
Lims ID: BFB Client ID:
Inject. Date: 06-Apr-2013 09:36:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0020332-001
Operator: TF Instrument ID: HP5973N
Purge Vol: 5.000 mL ALS Bottle#: 58
Lims Batch ID: 111319 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m
Last Update: 06-Apr-2013 09:47:21 Calib Date: 14-Mar-2013 19:02:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK036

First Level Reviewer: fergusont

Date: 06-Apr-2013 09:47:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags

\$ 4 BFB	95	3.309	3.309	0.0	88	109124	0	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5356.D

Injection Date: 06-Apr-2013 09:36:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 1

Operator ID: TF

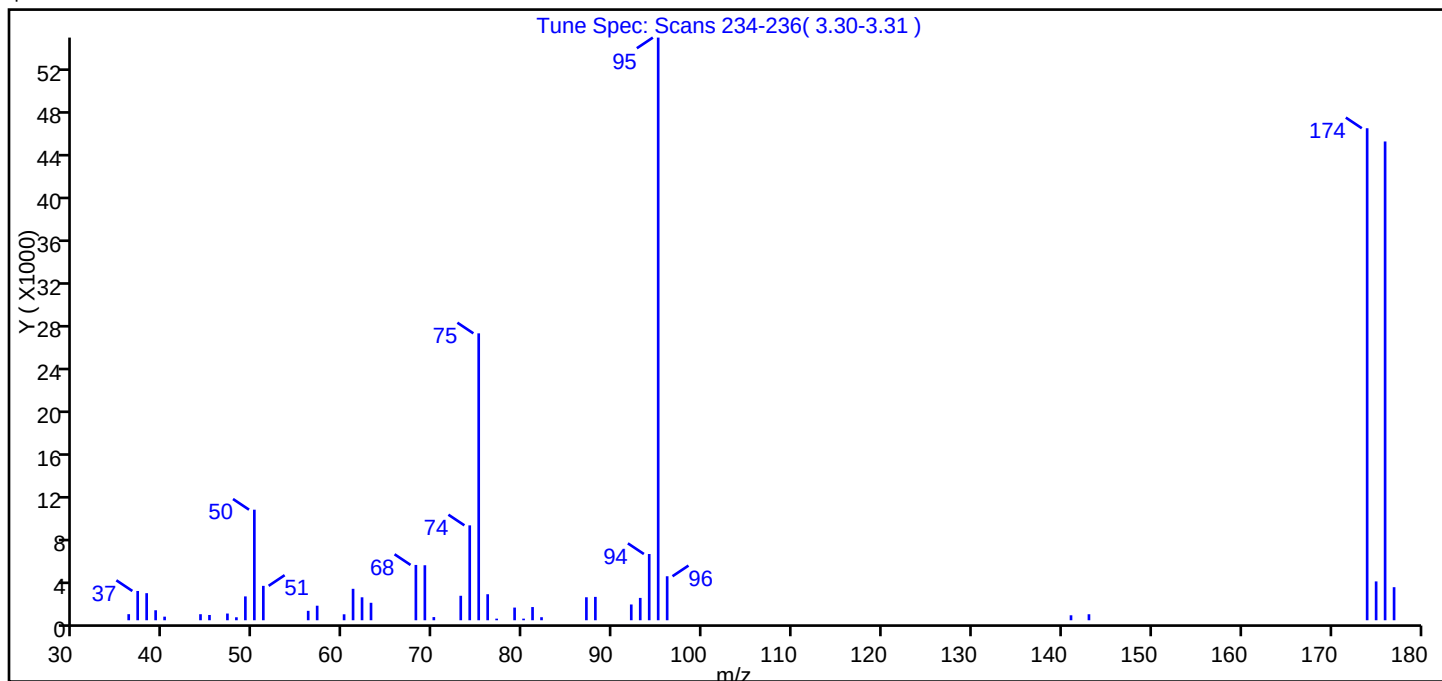
Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.98
75	30.00 - 60.00% of mass 95	49.24
96	5.00 - 9.00% of mass 95	7.55
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	84.44
175	5.00 - 9.00% of mass 174	6.67 (7.90)
176	95.00 - 101.00% of mass 174	82.17 (97.31)
177	5.00 - 9.00% of mass 176	5.68 (6.91)

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5356.D\N-8260.rslt\spectra.d

Injection Date: 06-Apr-2013 09:36:30

Spectrum: Tune Spec: Scans 234-236(3.30-3.31)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 43

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	567	51.00	3203	74.00	8836	93.00	2081
37.00	2725	56.00	878	75.00	26712	94.00	6167
38.00	2521	57.00	1355	76.00	2423	95.00	54248
39.00	931	60.00	556	77.00	149	96.00	4097
40.00	335	61.00	2928	79.00	1180	141.00	463
44.00	564	62.00	2138	80.00	149	143.00	560
45.00	492	63.00	1626	81.00	1229	174.00	45808
47.00	626	68.00	5150	82.00	284	175.00	3617
48.00	278	69.00	5121	87.00	2142	176.00	44576
49.00	2221	70.00	295	88.00	2176	177.00	3079
50.00	10295	73.00	2279	92.00	1469		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5383.D
Lims ID: BFB Client ID:
Inject. Date: 08-Apr-2013 08:21:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0020354-002
Operator: LH/NQ Instrument ID: HP5973N
Purge Vol: 5.000 mL ALS Bottle#: 25
Lims Batch ID: 111445 Lims Sample ID: 2
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N-8260.m
Last Update: 08-Apr-2013 08:33:24 Calib Date: 14-Mar-2013 19:02:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 08:33:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags

\$ 4 BFB	95	3.236	3.236	0.0	86	191924	0	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5383.D

Injection Date: 08-Apr-2013 08:21:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 2

Operator ID: LH/NQ

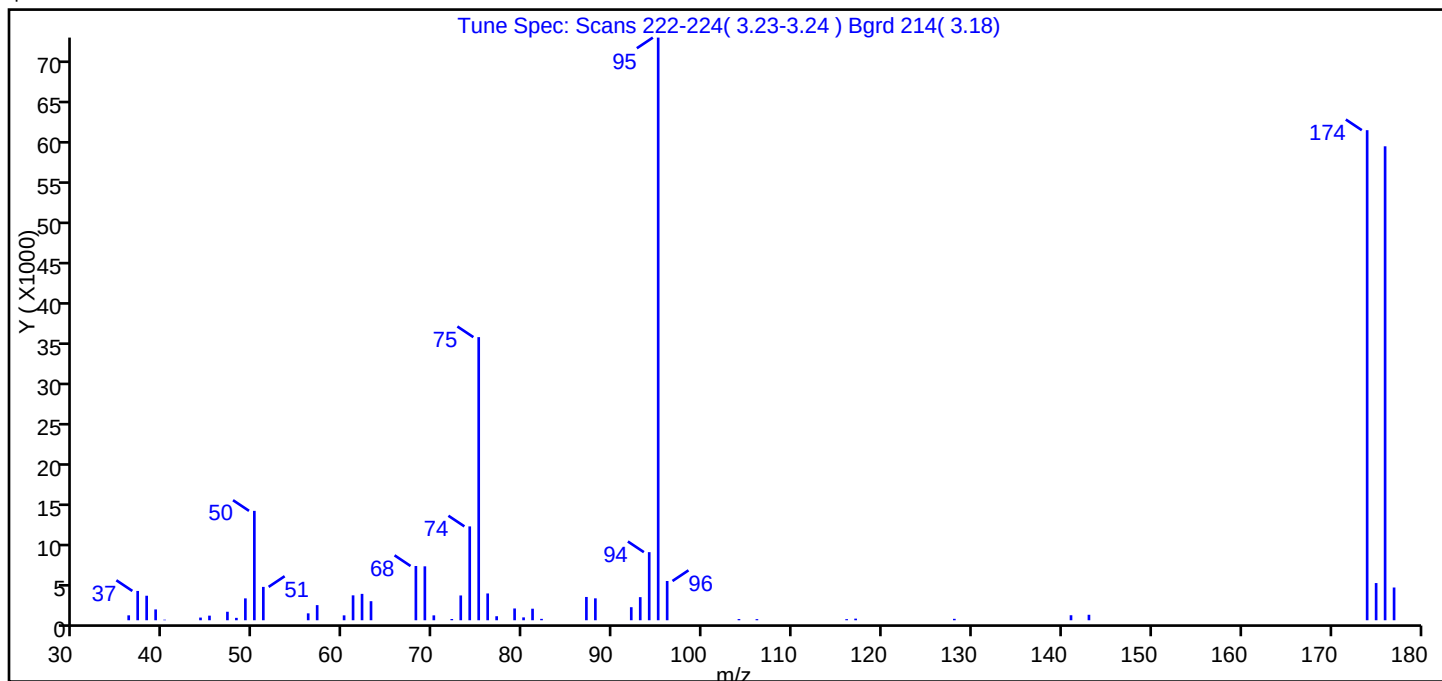
Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.78
75	30.00 - 60.00% of mass 95	48.59
96	5.00 - 9.00% of mass 95	6.74
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	84.11
175	5.00 - 9.00% of mass 174	6.38 (7.59)
176	95.00 - 101.00% of mass 174	81.34 (96.71)
177	5.00 - 9.00% of mass 176	5.62 (6.91)

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5383.D\N-8260.rslt\spectra.d
Injection Date: 08-Apr-2013 08:21:30
Spectrum: Tune Spec: Scans 222-224(3.23-3.24) Bgrd 214(3.18)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 49

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	610	57.00	1877	77.00	500	106.00	139
37.00	3636	60.00	607	79.00	1463	116.00	137
38.00	3043	61.00	3091	80.00	356	117.00	201
39.00	1345	62.00	3274	81.00	1433	128.00	178
40.00	71	63.00	2366	82.00	174	141.00	623
44.00	333	68.00	6732	87.00	2891	143.00	681
45.00	572	69.00	6692	88.00	2719	174.00	60808
47.00	1055	70.00	607	92.00	1619	175.00	4615
48.00	299	72.00	155	93.00	2867	176.00	58808
49.00	2715	73.00	3077	94.00	8449	177.00	4064
50.00	13574	74.00	11646	95.00	72296		
51.00	4140	75.00	35128	96.00	4871		
56.00	858	76.00	3326	104.00	148		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5409.D
Lims ID: BFB Client ID:
Inject. Date: 08-Apr-2013 20:13:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0020382-001
Operator: RAL Instrument ID: HP5973N
Purge Vol: 5.000 mL ALS Bottle#: 51
Lims Batch ID: 111593 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N-8260.m
Last Update: 08-Apr-2013 20:35:32 Calib Date: 14-Mar-2013 19:02:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK006

First Level Reviewer: larsonr

Date: 08-Apr-2013 20:35:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags

\$ 4 BFB	95	3.230	3.230	0.0	89	76105	0	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5409.D

Injection Date: 08-Apr-2013 20:13:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 111593

Lims Sample ID: 1

Operator ID: RAL

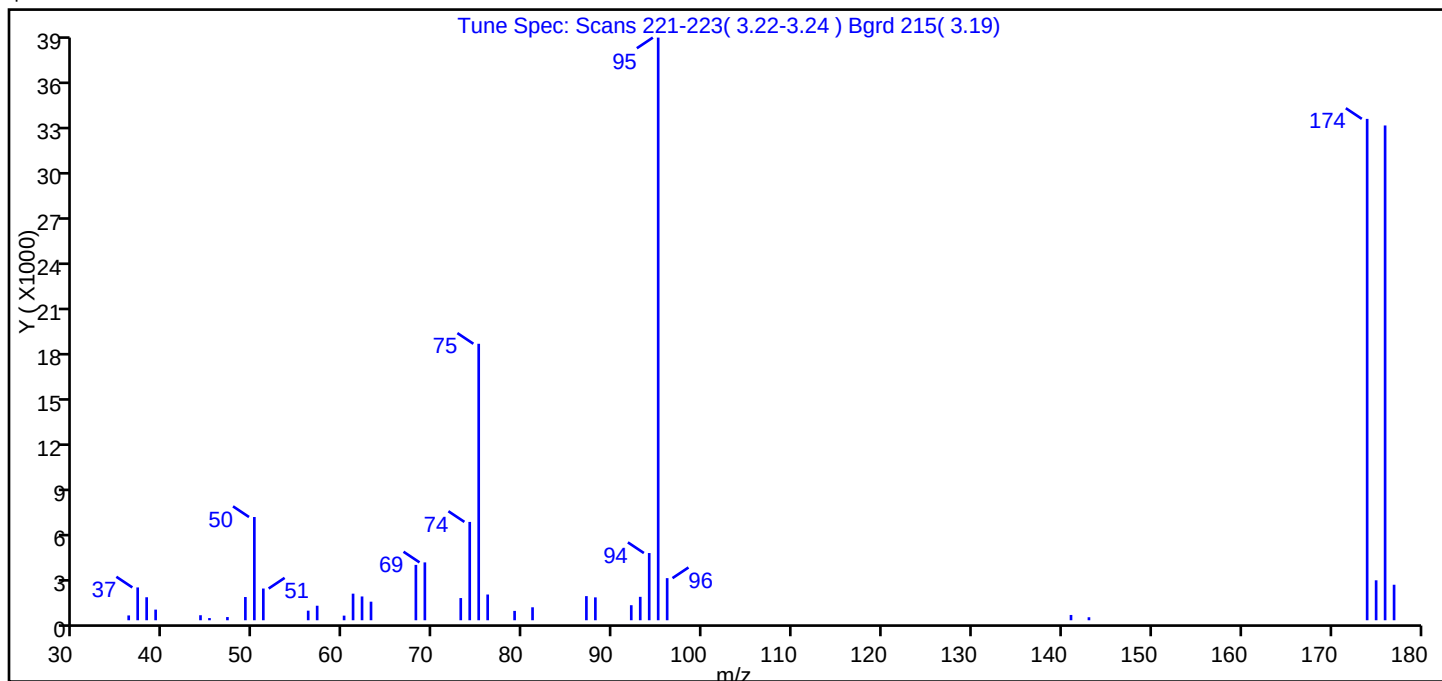
Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.72
75	30.00 - 60.00% of mass 95	47.45
96	5.00 - 9.00% of mass 95	7.23
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	86.05
175	5.00 - 9.00% of mass 174	6.86 (7.97)
176	95.00 - 101.00% of mass 174	84.92 (98.68)
177	5.00 - 9.00% of mass 176	6.10 (7.18)

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5409.D\N-8260.rslt\spectra.d

Injection Date: 08-Apr-2013 20:13:30

Spectrum: Tune Spec: Scans 221-223(3.22-3.24) Bgrd 215(3.19)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 37

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	315	56.00	628	75.00	18096	96.00	2757
37.00	2148	57.00	951	76.00	1685	141.00	346
38.00	1506	60.00	303	79.00	613	143.00	197
39.00	697	61.00	1741	81.00	849	174.00	32816
44.00	329	62.00	1557	87.00	1580	175.00	2615
45.00	143	63.00	1216	88.00	1498	176.00	32384
47.00	209	68.00	3625	92.00	985	177.00	2325
49.00	1520	69.00	3787	93.00	1533		
50.00	6757	73.00	1453	94.00	4399		
51.00	2076	74.00	6437	95.00	38136		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-111319/5

Matrix: Water Lab File ID: N5360.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 11:32

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.: 111319 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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-111319/5
 Matrix: Water Lab File ID: N5360.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 11:32
 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.: 111319 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)	104		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	98		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5360.D

Lims ID: MB

Client ID:

Inject. Date: 06-Apr-2013 11:32:30

Dil. Factor: 1.0000

Sample Type: MB

Sample ID: MB

Misc. Info.: 480-0020332-005

Operator: TF

Instrument ID: HP5973N

Purge Vol: 5.000 mL

ALS Bottle#: 2

Lims Batch ID: 111319

Lims Sample ID: 5

Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m

Last Update: 06-Apr-2013 16:01:31

Calib Date: 14-Mar-2013 19:02:30

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D

Limit Group: MV - 8260B ICAL

Integrator: RTE

ID Type: Deconvolution ID

Column Type: ZB-624

Column Dia: 0.25 mm

Process Host: XAWRK036

First Level Reviewer: fergusont

Date: 06-Apr-2013 16:01:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	92	326733	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	282840	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	95	155064	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	87	120054	26.1	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	364515	24.4	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	88	117554	22.8	
11 Dichlorodifluoromethane	85		0.902					
12 Chlorodifluoromethane	51		0.920					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62		1.066					
15 Bromomethane	94		1.243					
16 Chloroethane	64		1.310					
18 Trichlorofluoromethane	101		1.444					
17 Dichlorofluoromethane	67		1.456					
19 Ethyl ether	59		1.650					
81 Propene oxide	58		1.711					
20 Acrolein	56		1.778					
22 1,1-Dichloroethene	96		1.803					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43		1.900					
24 Iodomethane	142		1.924					
25 Carbon disulfide	76		1.955					
26 Isopropyl alcohol	45		2.076					
27 3-Chloro-1-propene	41		2.107					
29 Acetonitrile	40		2.155					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84	2.234	2.228	0.006	53	1409	0.2885	
31 2-Methyl-2-propanol	59		2.405					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
34 Acrylonitrile	53		2.478					
35 Hexane	57		2.618					
36 1,1-Dichloroethane	63		2.800					
37 Isopropyl ether	45		2.843					
38 2-Chloro-1,3-butadiene	53		2.861					
39 Vinyl acetate	43		2.867					
40 1,1-Dimethoxyethane	75		2.910					
41 Tert-butyl ethyl ether	59		3.159					
42 2,2-Dichloropropane	77		3.281					
43 cis-1,2-Dichloroethene	96		3.317					
44 2-Butanone (MEK)	43		3.366					
45 Ethyl acetate	43		3.415					
46 Propionitrile	54		3.445					
47 Chlorobromomethane	128		3.530					
48 Methacrylonitrile	41		3.555					
49 Tetrahydrofuran	42		3.561					
50 Chloroform	83		3.615					
52 Cyclohexane	56		3.713					
51 1,1,1-Trichloroethane	97		3.713					
53 Carbon tetrachloride	117		3.841					
54 1,1-Dichloropropene	75		3.859					
55 Benzene	78		4.041					
57 1,2-Dichloroethane	62		4.108					
56 Isobutyl alcohol	43		4.126					
58 Tert-amyl methyl ether	73		4.151					
59 n-Heptane	43		4.260					
60 Trichloroethene	95		4.644					
61 n-Butanol	56		4.735					
62 Methylcyclohexane	83		4.759					
63 1,2-Dichloropropane	63		4.863					
64 Dibromomethane	93		4.996					
65 Methyl methacrylate	41		5.009					
66 1,4-Dioxane	88		5.033					
67 Dichlorobromomethane	83		5.161					
68 2-Nitropropane	43		5.404					
69 2-Chloroethyl vinyl ether	63		5.453					
70 Epichlorohydrin	57		5.526					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.733					9
73 Toluene	92		5.842					
74 2-Methylthiophene	97		5.970					
76 3-Methylthiophene	97		6.134					
75 trans-1,3-Dichloropropene	75		6.134					
77 Ethyl methacrylate	69		6.213					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
80 1,3-Dichloropropane	76		6.456					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
86 3-Chlorobenzotrifluoride	180		7.266					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
87 4-Chlorobenzotrifluoride	180		7.332					
89 1,1,1,2-Tetrachloroethane	131		7.357					
88 Ethylbenzene	91		7.357					
90 m-Xylene & p-Xylene	106		7.485					
91 o-Xylene	106		7.892					
92 Styrene	104		7.923					
93 Bromoform	173		8.142					
94 2-Chlorobenzotrifluoride	180		8.215					
95 Isopropylbenzene	105		8.282					
96 Cyclohexanone	55		8.428					
97 Bromobenzene	156		8.604					
98 1,1,2,2-Tetrachloroethane	83		8.701					
99 1,2,3-Trichloropropane	110		8.720					
100 N-Propylbenzene	91		8.726					
101 trans-1,4-Dichloro-2-butene	53		8.750					
102 2-Chlorotoluene	126		8.811					
103 3-Chlorotoluene	126		8.884					
104 1,3,5-Trimethylbenzene	105		8.926					
105 4-Chlorotoluene	91		8.932					
106 tert-Butylbenzene	134		9.261					
107 Pentachloroethane	167		9.310					
108 1,2,4-Trimethylbenzene	105		9.322					
109 sec-Butylbenzene	105		9.498					
110 1,3-Dichlorobenzene	146		9.614					
111 4-Isopropyltoluene	119		9.663					
112 Dicyclopentadiene	66		9.687					
113 1,4-Dichlorobenzene	146		9.717					
114 1,2,3-Trimethylbenzene	105		9.760					
115 n-Butylbenzene	91		10.076					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
118 1,3,5-Trichlorobenzene	180		11.007					
119 1,2,4-Trichlorobenzene	180		11.561					
120 Hexachlorobutadiene	225		11.701					
121 Naphthalene	128		11.767					
122 1,2,3-Trichlorobenzene	180		11.980					
S 125 Total BTEX	1		30.000					7
S 126 Xylenes, Total	1		30.000					7
S 123 1,3-Dichloropropene, Total	1		30.000					7
S 124 1,2-Dichloroethene, Total	1		30.000					7
T 129 tert-amyl alcohol TIC	1		0.000					1
T 127 Ethanol TIC	1		0.000					1
T 10 Ethylene oxide	1		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 8 t-Amyl alcohol	1		0.000					1
T 128 Hexachloroethane TIC	117		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5360.D

Injection Date: 06-Apr-2013 11:32:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 5

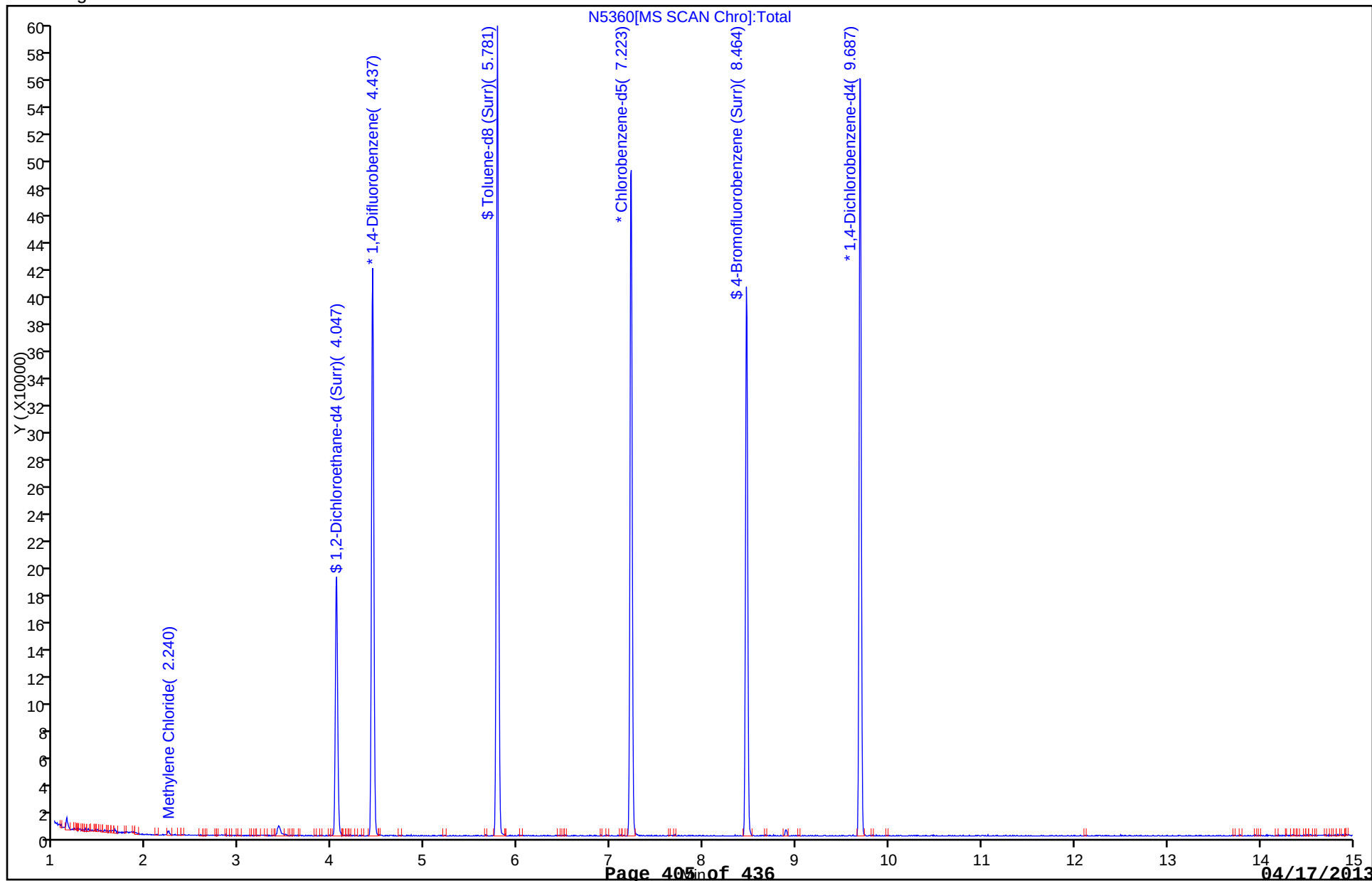
Operator ID: TF

Purge Vol: 5.000 mL

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.: 480-35528-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-111445/6

Matrix: Water Lab File ID: N5388.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 11:01

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.: 111445 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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-111445/6
 Matrix: Water Lab File ID: N5388.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 11:01
 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.: 111445 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)	100		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	95		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5388.D
 Lims ID: MB Client ID:
 Inject. Date: 08-Apr-2013 11:01:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0020354-006
 Operator: LH/NQ Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 30
 Lims Batch ID: 111445 Lims Sample ID: 6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N-8260.m
 Last Update: 08-Apr-2013 11:26:58 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 11:26:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.431	0.006	95	328046	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	288384	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	95	151921	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	88	115886	25.1	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	363437	23.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	91	119759	22.8	
11 Dichlorodifluoromethane	85		0.902					
12 Chlorodifluoromethane	51		0.920					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62		1.066					
15 Bromomethane	94		1.249					
16 Chloroethane	64		1.310					
18 Trichlorofluoromethane	101		1.443					
17 Dichlorofluoromethane	67		1.456					
19 Ethyl ether	59		1.650					
81 Propene oxide	58		1.711					
20 Acrolein	56		1.778					
22 1,1-Dichloroethene	96		1.802					
21 1,1,2-Trichloro-1,2,2-trifluoro	101		1.821					
23 Acetone	43		1.906					
24 Iodomethane	142		1.924					
25 Carbon disulfide	76		1.954					
26 Isopropyl alcohol	45		2.070					
27 3-Chloro-1-propene	41		2.107					
29 Acetonitrile	40		2.149					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
31 2-Methyl-2-propanol	59		2.405					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
34 Acrylonitrile	53		2.478					
35 Hexane	57		2.618					
36 1,1-Dichloroethane	63		2.800					
37 Isopropyl ether	45		2.843					
38 2-Chloro-1,3-butadiene	53		2.861					
39 Vinyl acetate	43		2.867					
40 1,1-Dimethoxyethane	75		2.910					
41 Tert-butyl ethyl ether	59		3.159					
42 2,2-Dichloropropane	77		3.281					
43 cis-1,2-Dichloroethene	96		3.317					
44 2-Butanone (MEK)	43		3.366					
45 Ethyl acetate	43		3.415					
46 Propionitrile	54		3.445					
47 Chlorobromomethane	128		3.530					
48 Methacrylonitrile	41		3.555					
49 Tetrahydrofuran	42		3.567					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.846					
54 1,1-Dichloropropene	75		3.859					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.108					
56 Isobutyl alcohol	43		4.126					
58 Tert-amyl methyl ether	73		4.151					
59 n-Heptane	43		4.260					
60 Trichloroethene	95		4.643					
61 n-Butanol	56		4.735					
62 Methylcyclohexane	83		4.753					
63 1,2-Dichloropropane	63		4.862					
64 Dibromomethane	93		4.996					
65 Methyl methacrylate	41		5.009					
66 1,4-Dioxane	88		5.033					
67 Dichlorobromomethane	83		5.161					
68 2-Nitropropane	43		5.404					
69 2-Chloroethyl vinyl ether	63		5.459					
70 Epichlorohydrin	57		5.526					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732					9
73 Toluene	92		5.842					
74 2-Methylthiophene	97		5.970					
76 3-Methylthiophene	97		6.134					
75 trans-1,3-Dichloropropene	75		6.134					
77 Ethyl methacrylate	69		6.213					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
80 1,3-Dichloropropane	76		6.462					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
86 3-Chlorobenzotrifluoride	180		7.272					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
87 4-Chlorobenzotrifluoride	180		7.332					
88 Ethylbenzene	91		7.357					
89 1,1,1,2-Tetrachloroethane	131		7.357					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.929					
93 Bromoform	173		8.148					
94 2-Chlorobenzotrifluoride	180		8.215					
95 Isopropylbenzene	105		8.281					
96 Cyclohexanone	55		8.421					
97 Bromobenzene	156		8.604					
98 1,1,2,2-Tetrachloroethane	83		8.701					
99 1,2,3-Trichloropropane	110		8.719					
100 N-Propylbenzene	91		8.726					
101 trans-1,4-Dichloro-2-butene	53		8.750					
102 2-Chlorotoluene	126		8.811					
103 3-Chlorotoluene	126		8.884					
104 1,3,5-Trimethylbenzene	105		8.926					
105 4-Chlorotoluene	91		8.932					
106 tert-Butylbenzene	134		9.261					
107 Pentachloroethane	167		9.310					
108 1,2,4-Trimethylbenzene	105		9.322					
109 sec-Butylbenzene	105		9.498					
110 1,3-Dichlorobenzene	146		9.620					
111 4-Isopropyltoluene	119		9.662					
112 Dicyclopentadiene	66		9.687					
113 1,4-Dichlorobenzene	146		9.717					
114 1,2,3-Trimethylbenzene	105		9.766					
115 n-Butylbenzene	91		10.076					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
118 1,3,5-Trichlorobenzene	180		11.007					
119 1,2,4-Trichlorobenzene	180		11.560					
120 Hexachlorobutadiene	225		11.700					
121 Naphthalene	128		11.767					
122 1,2,3-Trichlorobenzene	180		11.980					
S 123 1,3-Dichloropropene, Total	1		30.000					7
S 124 1,2-Dichloroethene, Total	1		30.000					7
S 125 Total BTEX	1		30.000					7
S 126 Xylenes, Total	1		30.000					7
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 8 t-Amyl alcohol	1		0.000					1
T 128 Hexachloroethane TIC	117		0.000					1
T 129 tert-amyl alcohol TIC	1		0.000					1
T 127 Ethanol TIC	1		0.000					1
T 10 Ethylene oxide	1		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

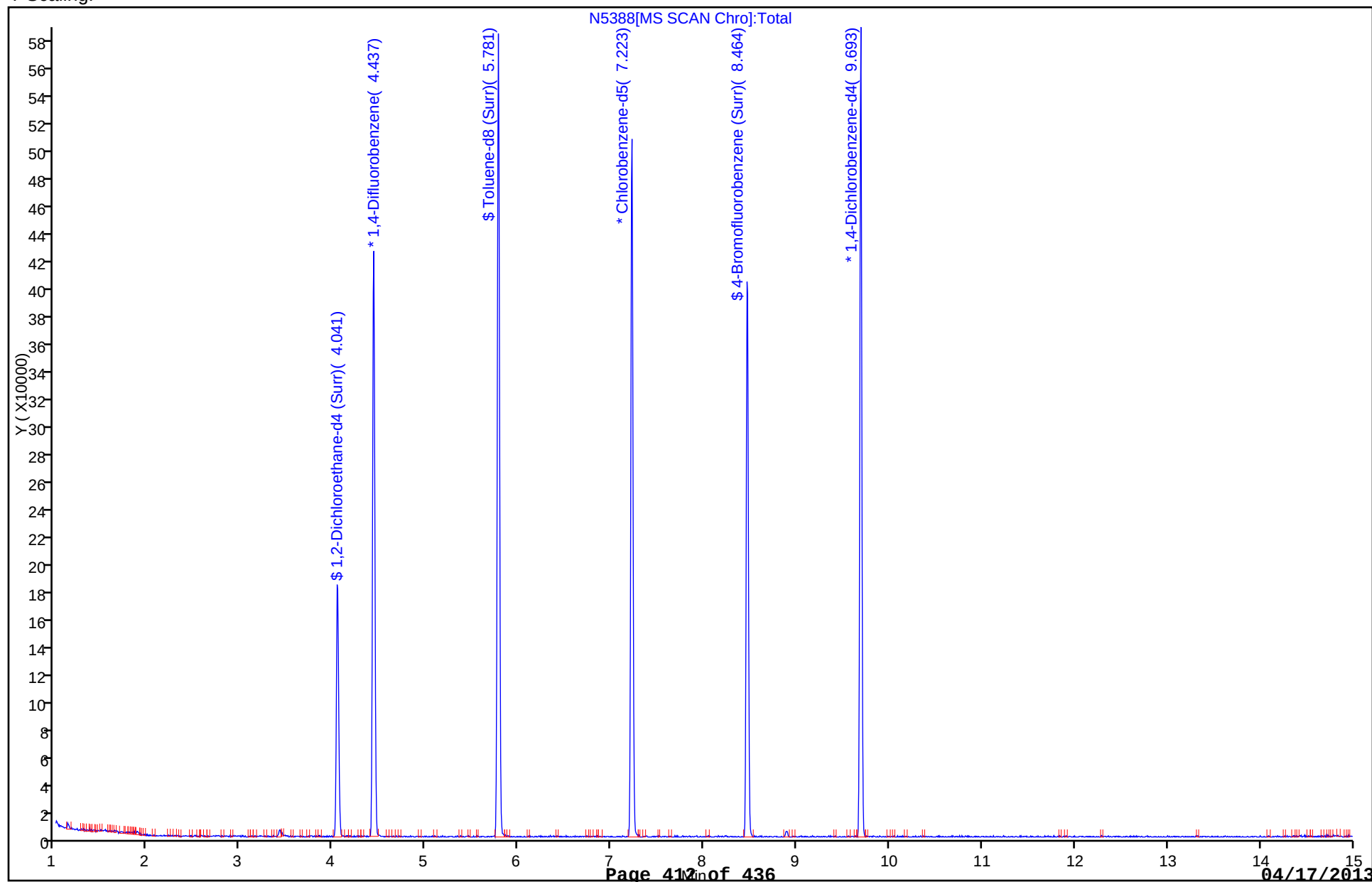
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5388.D
Injection Date: 08-Apr-2013 11:01:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973N
Lims Batch ID: 111445 Lims Sample ID: 6
Operator ID: LH/NQ Purge Vol: 5.000 mL
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.: 480-35528-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-111593/5

Matrix: Water Lab File ID: N5413.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 22:13

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.: 111593 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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-111593/5
 Matrix: Water Lab File ID: N5413.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 22:13
 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.: 111593 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)	100		66-137
460-00-4	4-Bromofluorobenzene (Surr)	90		73-120
2037-26-5	Toluene-d8 (Surr)	97		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5413.D
 Lims ID: MB Client ID:
 Inject. Date: 08-Apr-2013 22:13:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0020382-005
 Operator: RAL Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 55
 Lims Batch ID: 111593 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N-8260.m
 Last Update: 08-Apr-2013 22:33:22 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK006

First Level Reviewer: larsonr

Date: 08-Apr-2013 22:33:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	324791	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	277432	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	95	150756	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	87	114280	25.0	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	355471	24.2	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	113257	22.4	
11 Dichlorodifluoromethane	85		0.902					
12 Chlorodifluoromethane	51		0.920					
13 Chloromethane	50		0.987					
14 Vinyl chloride	62		1.060					
15 Bromomethane	94		1.243					
16 Chloroethane	64		1.310					
18 Trichlorofluoromethane	101		1.444					
17 Dichlorofluoromethane	67		1.456					
19 Ethyl ether	59		1.650					
81 Propene oxide	58		1.711					
20 Acrolein	56		1.778					
22 1,1-Dichloroethene	96		1.809					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.815					
23 Acetone	43		1.906					
24 Iodomethane	142		1.924					
25 Carbon disulfide	76		1.955					
26 Isopropyl alcohol	45		2.076					
27 3-Chloro-1-propene	41		2.107					
29 Acetonitrile	40		2.155					
28 Methyl acetate	43		2.161					
30 Methylene Chloride	84		2.228					
31 2-Methyl-2-propanol	59		2.405					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
34 Acrylonitrile	53		2.478					
35 Hexane	57		2.618					
36 1,1-Dichloroethane	63		2.806					
37 Isopropyl ether	45		2.843					
38 2-Chloro-1,3-butadiene	53		2.861					
39 Vinyl acetate	43		2.873					
40 1,1-Dimethoxyethane	75		2.910					
41 Tert-butyl ethyl ether	59		3.159					
42 2,2-Dichloropropane	77		3.281					
43 cis-1,2-Dichloroethene	96		3.317					
44 2-Butanone (MEK)	43		3.366					
45 Ethyl acetate	43		3.415					
46 Propionitrile	54		3.445					
47 Chlorobromomethane	128		3.530					
48 Methacrylonitrile	41		3.555					
49 Tetrahydrofuran	42		3.567					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.840					
54 1,1-Dichloropropene	75		3.859					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.114					
56 Isobutyl alcohol	43		4.126					
58 Tert-amyl methyl ether	73		4.157					
59 n-Heptane	43		4.260					
60 Trichloroethene	95		4.643					
61 n-Butanol	56		4.735					
62 Methylcyclohexane	83		4.759					
63 1,2-Dichloropropane	63		4.869					
64 Dibromomethane	93		4.996					
65 Methyl methacrylate	41		5.009					
66 1,4-Dioxane	88		5.033					
67 Dichlorobromomethane	83		5.161					
68 2-Nitropropane	43		5.404					
69 2-Chloroethyl vinyl ether	63		5.459					
70 Epichlorohydrin	57		5.526					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732					9
73 Toluene	92		5.842					
74 2-Methylthiophene	97		5.970					
76 3-Methylthiophene	97		6.134					
75 trans-1,3-Dichloropropene	75		6.134					
77 Ethyl methacrylate	69		6.219					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
80 1,3-Dichloropropane	76		6.462					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.247					
86 3-Chlorobenzotrifluoride	180		7.272					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
87 4-Chlorobenzotrifluoride	180		7.332					
89 1,1,1,2-Tetrachloroethane	131		7.357					
88 Ethylbenzene	91		7.363					
90 m-Xylene & p-Xylene	106		7.485					
91 o-Xylene	106		7.892					
92 Styrene	104		7.929					
93 Bromoform	173		8.148					
94 2-Chlorobenzotrifluoride	180		8.221					
95 Isopropylbenzene	105		8.288					
96 Cyclohexanone	55		8.428					
97 Bromobenzene	156		8.604					
98 1,1,2,2-Tetrachloroethane	83		8.701					
99 1,2,3-Trichloropropane	110		8.719					
100 N-Propylbenzene	91		8.726					
101 trans-1,4-Dichloro-2-butene	53		8.750					
102 2-Chlorotoluene	126		8.811					
103 3-Chlorotoluene	126		8.884					
104 1,3,5-Trimethylbenzene	105		8.926					
105 4-Chlorotoluene	91		8.932					
106 tert-Butylbenzene	134		9.261					
107 Pentachloroethane	167		9.310					
108 1,2,4-Trimethylbenzene	105		9.328					
109 sec-Butylbenzene	105		9.498					
110 1,3-Dichlorobenzene	146		9.620					
111 4-Isopropyltoluene	119		9.662					
112 Dicyclopentadiene	66		9.687					
113 1,4-Dichlorobenzene	146		9.717					
114 1,2,3-Trimethylbenzene	105		9.766					
115 n-Butylbenzene	91		10.076					
116 1,2-Dichlorobenzene	146		10.088					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
118 1,3,5-Trichlorobenzene	180		11.007					
119 1,2,4-Trichlorobenzene	180		11.561					
120 Hexachlorobutadiene	225		11.700					
121 Naphthalene	128		11.767					
122 1,2,3-Trichlorobenzene	180		11.980					
S 125 Total BTEX	1		30.000					7
S 126 Xylenes, Total	1		30.000					7
S 123 1,3-Dichloropropene, Total	1		30.000					7
S 124 1,2-Dichloroethene, Total	1		30.000					7
T 129 tert-amyl alcohol TIC	1		0.000					1
T 127 Ethanol TIC	1		0.000					1
T 10 Ethylene oxide	1		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 8 t-Amyl alcohol	1		0.000					1
T 128 Hexachloroethane TIC	117		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5413.D

Injection Date: 08-Apr-2013 22:13:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 111593

Lims Sample ID: 5

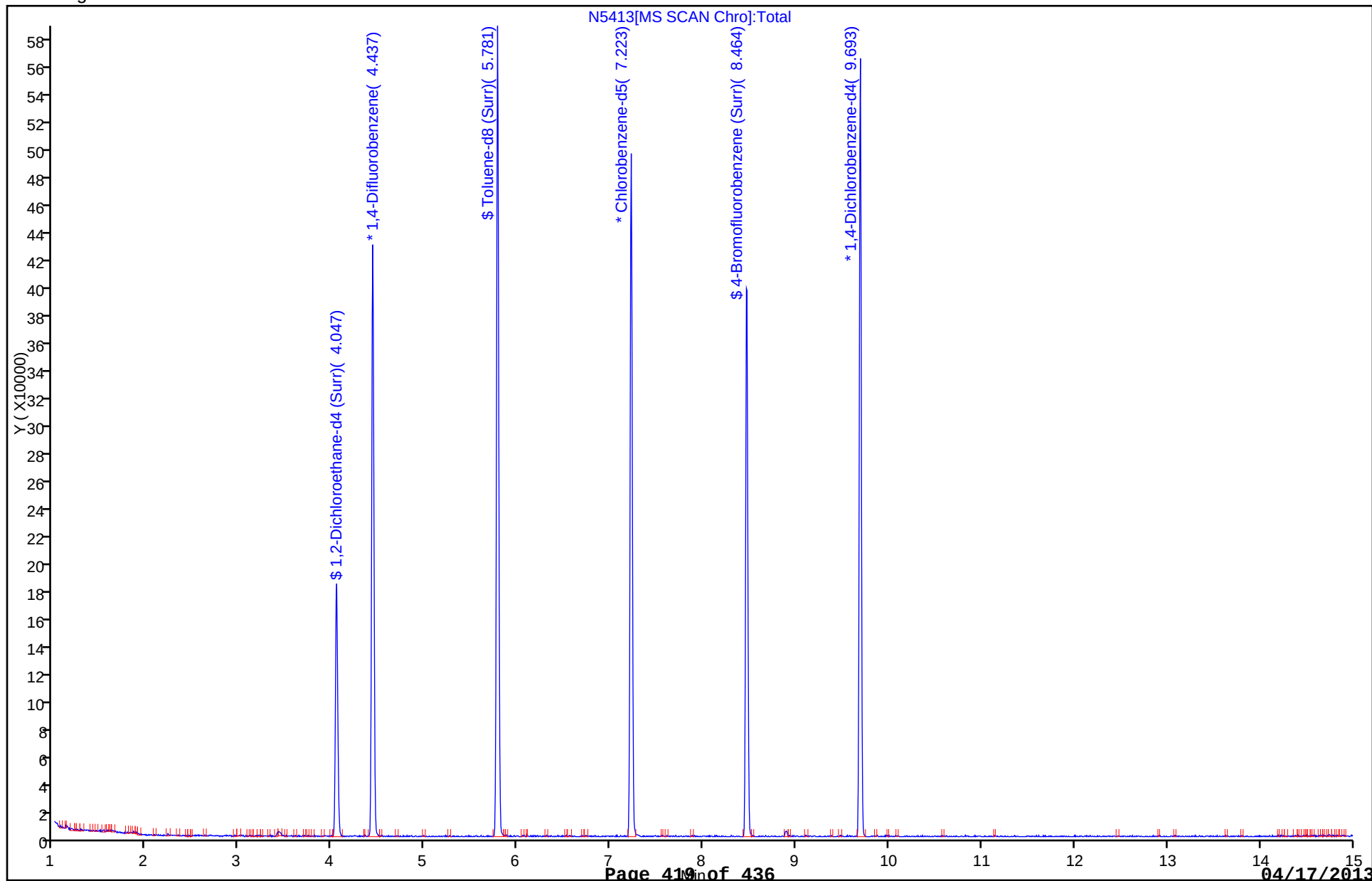
Operator ID: RAL

Purge Vol: 5.000 mL

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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-111319/4
 Matrix: Water Lab File ID: N5359.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2013 11:08
 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.: 111319 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	22.5		1.0	0.38
75-35-4	1,1-Dichloroethene	19.0		1.0	0.29
95-50-1	1,2-Dichlorobenzene	23.3		1.0	0.79
107-06-2	1,2-Dichloroethane	22.7		1.0	0.21
71-43-2	Benzene	23.7		1.0	0.41
108-90-7	Chlorobenzene	23.6		1.0	0.75
156-59-2	cis-1,2-Dichloroethene	24.1		1.0	0.81
100-41-4	Ethylbenzene	23.4		1.0	0.74
1634-04-4	Methyl tert-butyl ether	22.0		1.0	0.16
127-18-4	Tetrachloroethene	21.1		1.0	0.36
108-88-3	Toluene	22.6		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.7		1.0	0.90
79-01-6	Trichloroethene	22.6		1.0	0.46
1330-20-7	Xylenes, Total	69.3		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	99		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5359.D

Lims ID: LCS

Client ID:

Inject. Date: 06-Apr-2013 11:08:30

Dil. Factor: 1.0000

Sample Type: LCS

Sample ID: LCS

Misc. Info.: 480-0020332-004

Operator: TF

Instrument ID: HP5973N

Purge Vol: 5.000 mL

ALS Bottle#: 1

Lims Batch ID: 111319

Lims Sample ID: 4

Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N-8260.m

Last Update: 06-Apr-2013 12:09:28

Calib Date: 14-Mar-2013 19:02:30

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D

Limit Group: MV - 8260B ICAL

Integrator: RTE

ID Type: Deconvolution ID

Column Type: ZB-624

Column Dia: 0.25 mm

Process Host: XAWRK036

First Level Reviewer: fergusont

Date: 06-Apr-2013 12:09:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.436	4.437	-0.001	94	332409	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	283047	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	159782	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	89	120595	25.8	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	371639	24.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	90	117612	22.8	
22 1,1-Dichloroethene	96	1.808	1.803	0.005	97	60601	19.0	
33 trans-1,2-Dichloroethene	96	2.429	2.429	0.0	74	105448	23.7	
32 Methyl tert-butyl ether	73	2.435	2.435	0.0	91	310925	22.0	
36 1,1-Dichloroethane	63	2.800	2.800	0.0	96	186304	22.5	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	80	115807	24.1	
55 Benzene	78	4.047	4.041	0.006	97	426722	23.7	
57 1,2-Dichloroethane	62	4.114	4.108	0.006	97	136163	22.7	
60 Trichloroethene	95	4.643	4.644	-0.001	95	100341	22.6	
73 Toluene	92	5.842	5.842	0.0	92	252150	22.6	
79 Tetrachloroethene	166	6.359	6.359	0.0	98	103308	21.1	
85 Chlorobenzene	112	7.247	7.247	0.0	92	284906	23.6	
88 Ethylbenzene	91	7.357	7.357	0.0	98	459957	23.4	
90 m-Xylene & p-Xylene	106	7.484	7.485	-0.001	98	382377	46.9	
91 o-Xylene	106	7.892	7.892	0.0	96	190352	22.4	
108 1,2,4-Trimethylbenzene	105	9.322	9.322	0.0	91	414644	22.5	
116 1,2-Dichlorobenzene	146	10.088	10.088	0.0	97	238077	23.3	
S 126 Xylenes, Total	1				0		69.3	
S 124 1,2-Dichloroethene, Total	1				0		47.8	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130406-20332.b\N5359.D

Injection Date: 06-Apr-2013 11:08:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 111319

Lims Sample ID: 4

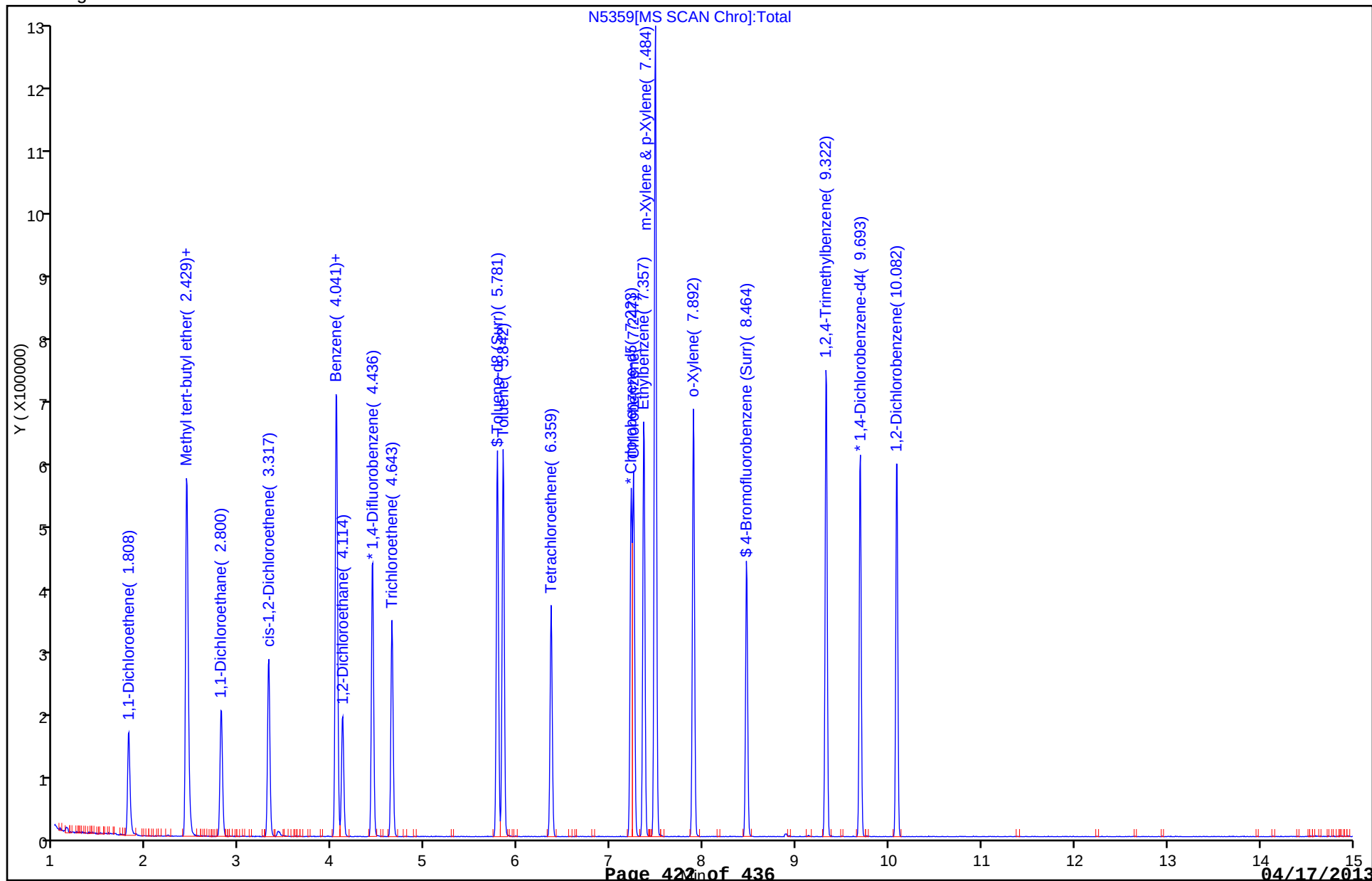
Operator ID: TF

Purge Vol: 5.000 mL

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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-111445/5
 Matrix: Water Lab File ID: N5387.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 10:37
 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.: 111445 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	22.9		1.0	0.38
75-35-4	1,1-Dichloroethene	20.8		1.0	0.29
95-50-1	1,2-Dichlorobenzene	25.5		1.0	0.79
107-06-2	1,2-Dichloroethane	24.0		1.0	0.21
71-43-2	Benzene	24.6		1.0	0.41
108-90-7	Chlorobenzene	24.8		1.0	0.75
156-59-2	cis-1,2-Dichloroethene	23.8		1.0	0.81
100-41-4	Ethylbenzene	24.2		1.0	0.74
1634-04-4	Methyl tert-butyl ether	22.7		1.0	0.16
127-18-4	Tetrachloroethene	23.8		1.0	0.36
108-88-3	Toluene	24.0		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.2		1.0	0.90
79-01-6	Trichloroethene	23.6		1.0	0.46
1330-20-7	Xylenes, Total	73.0		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	100		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5387.D
 Lims ID: LCS Client ID:
 Inject. Date: 08-Apr-2013 10:37:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0020354-005
 Operator: LH/NQ Instrument ID: HP5973N
 Purge Vol: 5.000 mL ALS Bottle#: 29
 Lims Batch ID: 111445 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N-8260.m
 Last Update: 08-Apr-2013 11:26:40 Calib Date: 14-Mar-2013 19:02:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK026

First Level Reviewer: HillL

Date: 08-Apr-2013 11:26:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.431	0.006	91	336443	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	84	283178	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	154090	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	87	117673	24.8	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	372419	24.9	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	92	117147	22.7	
22 1,1-Dichloroethene	96	1.808	1.802	0.006	96	67227	20.8	
33 trans-1,2-Dichloroethene	96	2.435	2.429	0.006	78	113362	25.2	
32 Methyl tert-butyl ether	73	2.435	2.435	0.0	91	325200	22.7	
36 1,1-Dichloroethane	63	2.806	2.800	0.006	97	191395	22.9	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	81	116028	23.8	
55 Benzene	78	4.047	4.047	0.0	97	447667	24.6	
57 1,2-Dichloroethane	62	4.114	4.108	0.006	97	145417	24.0	
60 Trichloroethene	95	4.643	4.643	0.0	94	105900	23.6	
73 Toluene	92	5.842	5.842	0.0	93	267277	24.0	
79 Tetrachloroethene	166	6.359	6.359	0.0	97	116483	23.8	
85 Chlorobenzene	112	7.247	7.247	0.0	92	299967	24.8	
88 Ethylbenzene	91	7.357	7.357	0.0	98	475672	24.2	
90 m-Xylene & p-Xylene	106	7.484	7.484	0.0	98	404483	49.5	
91 o-Xylene	106	7.892	7.892	0.0	96	199891	23.5	
108 1,2,4-Trimethylbenzene	105	9.322	9.322	0.0	92	436306	24.6	
116 1,2-Dichlorobenzene	146	10.082	10.088	-0.006	98	250825	25.5	
S 124 1,2-Dichloroethene, Total	1				0		49.0	
S 126 Xylenes, Total	1				0		73.1	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20354.b\N5387.D

Injection Date: 08-Apr-2013 10:37:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 111445

Lims Sample ID: 5

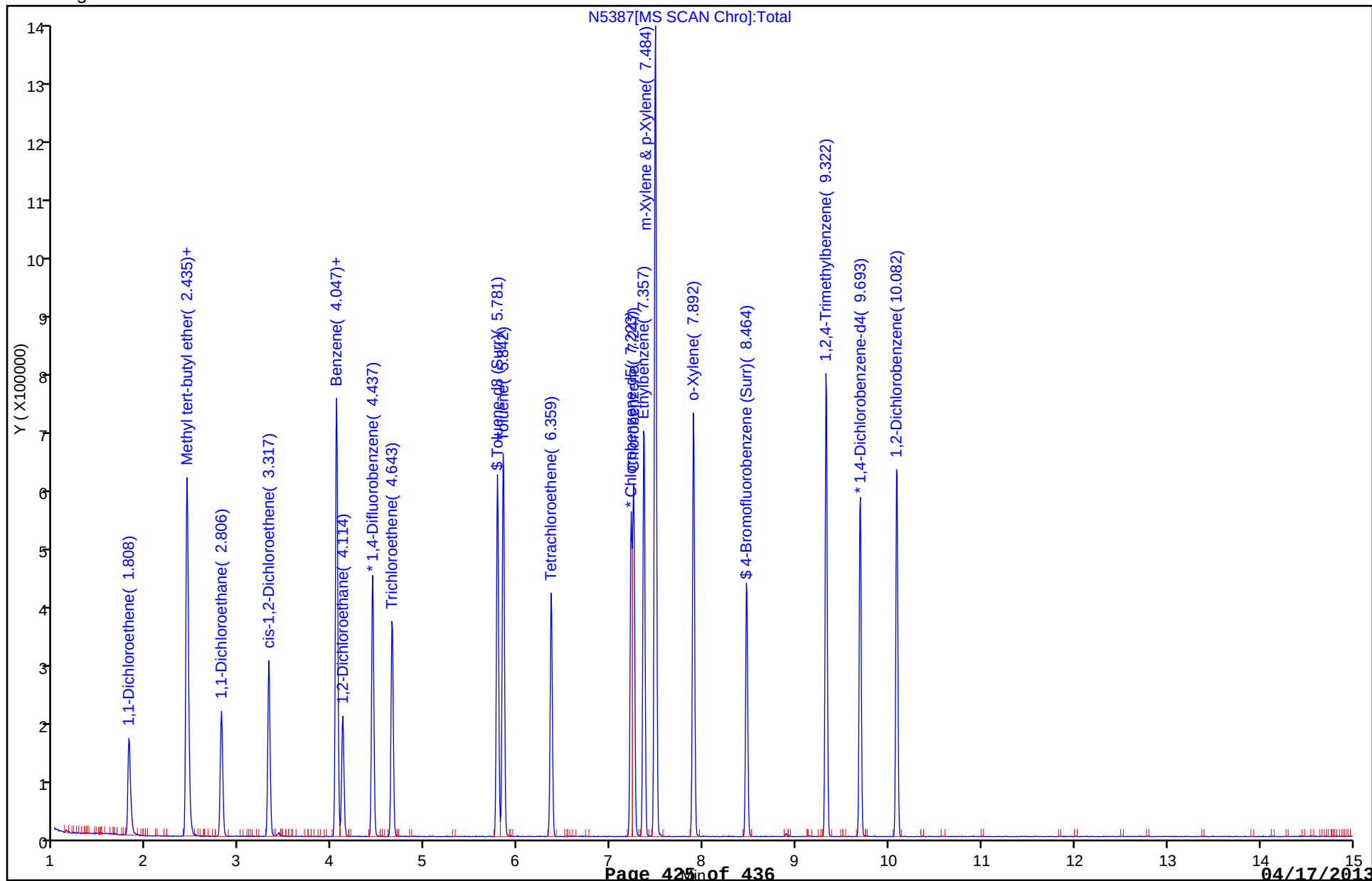
Operator ID: LH/NQ

Purge Vol: 5.000 mL

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.: 480-35528-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-111593/4
 Matrix: Water Lab File ID: N5412.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 04/08/2013 21:49
 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.: 111593 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	23.6		1.0	0.38
75-35-4	1,1-Dichloroethene	21.5		1.0	0.29
95-50-1	1,2-Dichlorobenzene	24.5		1.0	0.79
107-06-2	1,2-Dichloroethane	24.3		1.0	0.21
71-43-2	Benzene	25.2		1.0	0.41
108-90-7	Chlorobenzene	25.4		1.0	0.75
156-59-2	cis-1,2-Dichloroethene	24.8		1.0	0.81
100-41-4	Ethylbenzene	24.8		1.0	0.74
1634-04-4	Methyl tert-butyl ether	23.1		1.0	0.16
127-18-4	Tetrachloroethene	23.7		1.0	0.36
108-88-3	Toluene	23.9		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.9		1.0	0.90
79-01-6	Trichloroethene	24.6		1.0	0.46
1330-20-7	Xylenes, Total	73.9		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		66-137
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
2037-26-5	Toluene-d8 (Surr)	97		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5412.D

Lims ID: LCS

Client ID:

Inject. Date: 08-Apr-2013 21:49:30

Dil. Factor: 1.0000

Sample Type: LCS

Sample ID: LCS

Misc. Info.: 480-0020382-004

Operator: RAL

Instrument ID: HP5973N

Purge Vol: 5.000 mL

ALS Bottle#: 54

Lims Batch ID: 111593

Lims Sample ID: 4

Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N-8260.m

Last Update: 08-Apr-2013 22:32:15

Calib Date: 14-Mar-2013 19:02:30

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\Bufchrom\ChromData\HP5973N\20130314-19665.b\N4557.D

Limit Group: MV - 8260B ICAL

Integrator: RTE

ID Type: Deconvolution ID

Column Type: ZB-624

Column Dia: 0.25 mm

Process Host: XAWRK006

First Level Reviewer: larsonr

Date: 08-Apr-2013 22:32:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	94	324993	25.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	281462	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	95	157495	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	51	115313	25.2	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	361997	24.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	120421	23.5	
22 1,1-Dichloroethene	96	1.809	1.809	-0.001	96	67218	21.5	
33 trans-1,2-Dichloroethene	96	2.435	2.429	0.006	75	112771	25.9	
32 Methyl tert-butyl ether	73	2.435	2.435	0.0	91	320099	23.1	
36 1,1-Dichloroethane	63	2.806	2.806	0.0	97	190892	23.6	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	81	116881	24.8	
55 Benzene	78	4.047	4.047	0.0	97	442919	25.2	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	91	142260	24.3	
60 Trichloroethene	95	4.643	4.643	0.0	95	106636	24.6	
73 Toluene	92	5.842	5.842	0.0	92	265151	23.9	
79 Tetrachloroethene	166	6.359	6.359	0.0	98	115270	23.7	
85 Chlorobenzene	112	7.247	7.247	0.0	93	305167	25.4	
88 Ethylbenzene	91	7.363	7.363	0.0	98	485099	24.8	
90 m-Xylene & p-Xylene	106	7.484	7.485	-0.001	98	405386	50.0	
91 o-Xylene	106	7.892	7.892	0.0	96	201512	23.9	
108 1,2,4-Trimethylbenzene	105	9.322	9.328	-0.006	91	432338	23.8	
116 1,2-Dichlorobenzene	146	10.088	10.088	0.0	97	246224	24.5	
S 126 Xylenes, Total	1				0		73.8	
S 124 1,2-Dichloroethene, Total	1				0		50.8	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20130408-20382.b\N5412.D

Injection Date: 08-Apr-2013 21:49:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 111593

Lims Sample ID: 4

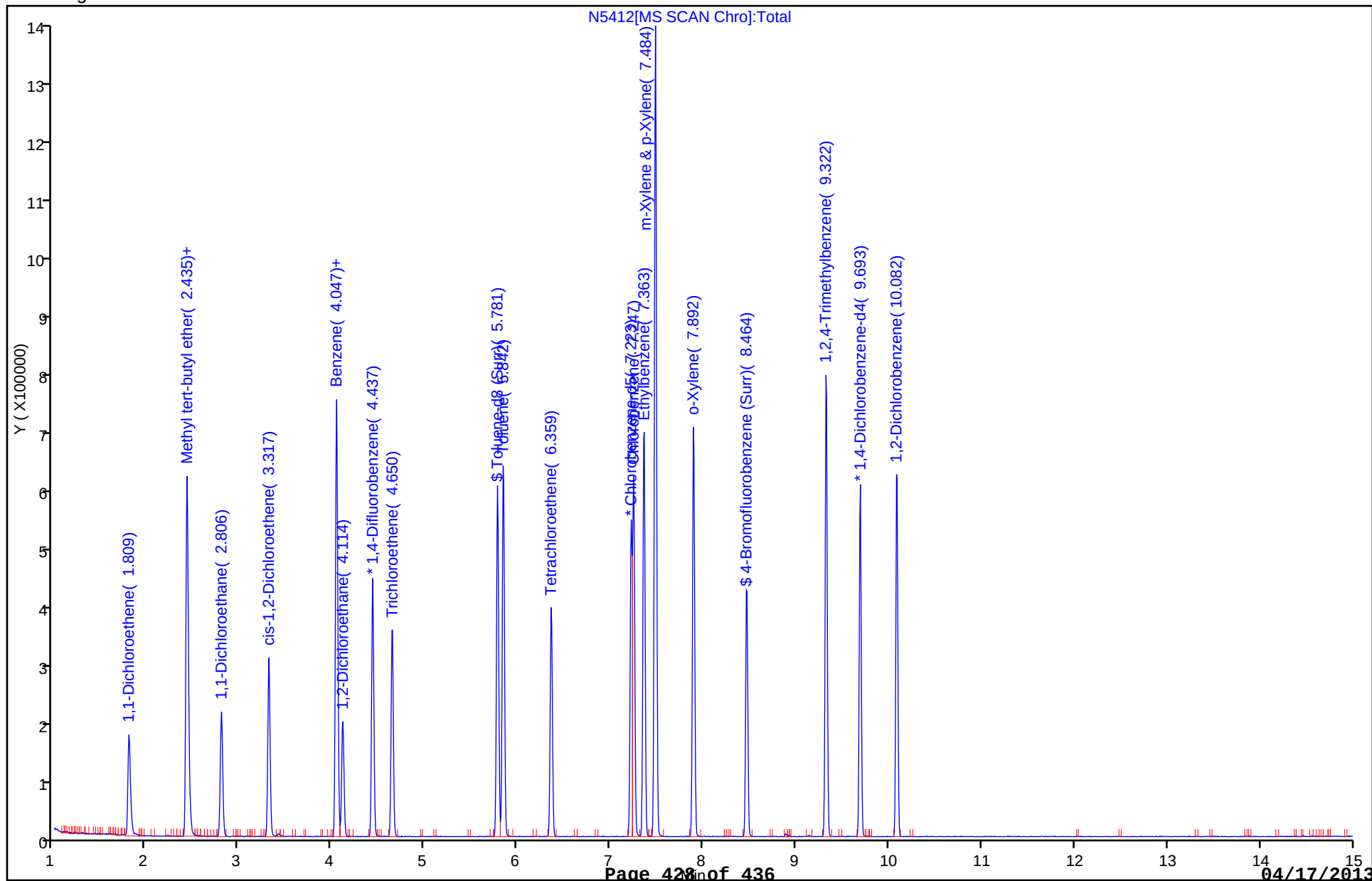
Operator ID: RAL

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Instrument ID: HP5973N Start Date: 03/14/2013 11:28Analysis Batch Number: 107379 End Date: 03/14/2013 19:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-107379/1		03/14/2013 11:28	1	N4539.D	ZB-624 (60) 0.25 (mm)
IC 480-107379/2		03/14/2013 12:28	1	N4541.D	ZB-624 (60) 0.25 (mm)
IC 480-107379/3		03/14/2013 12:51	1	N4542.D	ZB-624 (60) 0.25 (mm)
IC 480-107379/4		03/14/2013 13:15	1	N4543.D	ZB-624 (60) 0.25 (mm)
ICIS 480-107379/5		03/14/2013 13:39	1	N4544.D	ZB-624 (60) 0.25 (mm)
IC 480-107379/6		03/14/2013 14:02	1	N4545.D	ZB-624 (60) 0.25 (mm)
IC 480-107379/7		03/14/2013 14:26	1	N4546.D	ZB-624 (60) 0.25 (mm)
ICV 480-107379/8		03/14/2013 15:29	1		ZB-624 (60) 0.25 (mm)
MDLV 480-107379/9		03/14/2013 16:17	1		ZB-624 (60) 0.25 (mm)
IC 480-107379/10		03/14/2013 17:04	1		ZB-624 (60) 0.25 (mm)
IC 480-107379/11		03/14/2013 17:27	1		ZB-624 (60) 0.25 (mm)
IC 480-107379/12		03/14/2013 17:51	1		ZB-624 (60) 0.25 (mm)
IC 480-107379/13		03/14/2013 18:15	1		ZB-624 (60) 0.25 (mm)
IC 480-107379/14		03/14/2013 18:38	1		ZB-624 (60) 0.25 (mm)
IC 480-107379/15		03/14/2013 19:02	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Instrument ID: HP5973N Start Date: 04/06/2013 09:36Analysis Batch Number: 111319 End Date: 04/06/2013 21:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-111319/1		04/06/2013 09:36	1	N5356.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-111319/2		04/06/2013 10:01	1	N5357.D	ZB-624 (60) 0.25 (mm)
CCV 480-111319/3		04/06/2013 10:45	1	N5358.D	ZB-624 (60) 0.25 (mm)
LCS 480-111319/4		04/06/2013 11:08	1	N5359.D	ZB-624 (60) 0.25 (mm)
MB 480-111319/5		04/06/2013 11:32	1	N5360.D	ZB-624 (60) 0.25 (mm)
480-35528-1	MW-2	04/06/2013 13:31	1	N5361.D	ZB-624 (60) 0.25 (mm)
480-35528-2	MW-3	04/06/2013 13:55	1	N5362.D	ZB-624 (60) 0.25 (mm)
480-35528-3	MW-4	04/06/2013 14:19	40	N5363.D	ZB-624 (60) 0.25 (mm)
480-35528-4	MW-6	04/06/2013 14:43	1	N5364.D	ZB-624 (60) 0.25 (mm)
480-35528-6	MW-9	04/06/2013 15:30	1	N5366.D	ZB-624 (60) 0.25 (mm)
480-35528-7	MW-10	04/06/2013 15:53	1	N5367.D	ZB-624 (60) 0.25 (mm)
480-35528-8	MW-11	04/06/2013 16:17	1	N5368.D	ZB-624 (60) 0.25 (mm)
480-35528-9	MW-12	04/06/2013 16:41	1	N5369.D	ZB-624 (60) 0.25 (mm)
480-35528-10	MW-13S	04/06/2013 17:04	1	N5370.D	ZB-624 (60) 0.25 (mm)
480-35528-13	MW-14D	04/06/2013 18:15	1	N5373.D	ZB-624 (60) 0.25 (mm)
480-35528-14	MW-15S	04/06/2013 18:39	20	N5374.D	ZB-624 (60) 0.25 (mm)
480-35528-15	MW-15D	04/06/2013 19:02	8	N5375.D	ZB-624 (60) 0.25 (mm)
480-35528-16	MW-16S	04/06/2013 19:26	4000	N5376.D	ZB-624 (60) 0.25 (mm)
480-35528-17	MW-16D	04/06/2013 19:50	1	N5377.D	ZB-624 (60) 0.25 (mm)
480-35528-18	Rinse	04/06/2013 20:14	1	N5378.D	ZB-624 (60) 0.25 (mm)
480-35528-20	Trip Blank	04/06/2013 21:02	1	N5380.D	ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Instrument ID: HP5973N Start Date: 04/08/2013 08:21Analysis Batch Number: 111445 End Date: 04/08/2013 19:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-111445/2		04/08/2013 08:21	1	N5383.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-111445/3		04/08/2013 09:34	1	N5385.D	ZB-624 (60) 0.25 (mm)
CCV 480-111445/4		04/08/2013 10:13	1	N5386.D	ZB-624 (60) 0.25 (mm)
LCS 480-111445/5		04/08/2013 10:37	1	N5387.D	ZB-624 (60) 0.25 (mm)
MB 480-111445/6		04/08/2013 11:01	1	N5388.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		04/08/2013 11:41	400		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/08/2013 12:04	50		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/08/2013 12:28	125		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/08/2013 13:15	25		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/08/2013 13:39	50		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/08/2013 14:02	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/08/2013 14:26	200		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/08/2013 14:49	200		ZB-624 (60) 0.25 (mm)
480-35528-5	MW-8R	04/08/2013 15:37	1000	N5399.D	ZB-624 (60) 0.25 (mm)
480-35528-11	MW-13D	04/08/2013 16:24	1	N5401.D	ZB-624 (60) 0.25 (mm)
480-35528-12	MW-14S	04/08/2013 16:48	1	N5402.D	ZB-624 (60) 0.25 (mm)
480-35528-15 DL	MW-15D DL	04/08/2013 17:11	20	N5403.D	ZB-624 (60) 0.25 (mm)
480-35528-19	Duplicate	04/08/2013 17:58	1000	N5405.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		04/08/2013 18:22	50		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/08/2013 18:46	50		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/08/2013 19:10	50		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-35528-1

SDG No.: _____

Instrument ID: HP5973N Start Date: 04/08/2013 20:13Analysis Batch Number: 111593 End Date: 04/09/2013 08:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-111593/1		04/08/2013 20:13	1	N5409.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-111593/2		04/08/2013 20:47	1	N5410.D	ZB-624 (60) 0.25 (mm)
CCV 480-111593/3		04/08/2013 21:25	1	N5411.D	ZB-624 (60) 0.25 (mm)
LCS 480-111593/4		04/08/2013 21:49	1	N5412.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		04/08/2013 21:49	1		ZB-624 (60) 0.25 (mm)
MB 480-111593/5		04/08/2013 22:13	1	N5413.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		04/08/2013 22:13	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/08/2013 22:56	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/08/2013 23:20	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/08/2013 23:44	100		ZB-624 (60) 0.25 (mm)
480-35528-3 DL	MW-4 DL	04/09/2013 00:08	1000	N5417.D	ZB-624 (60) 0.25 (mm)
480-35528-10 DL	MW-13S DL	04/09/2013 00:31	1000	N5418.D	ZB-624 (60) 0.25 (mm)
480-35528-17 DL	MW-16D DL	04/09/2013 00:55	50	N5419.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		04/09/2013 01:18	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/09/2013 01:42	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/09/2013 02:05	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/09/2013 02:29	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/09/2013 02:53	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/09/2013 03:17	4		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/09/2013 03:40	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/09/2013 04:51	2		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/09/2013 05:15	10		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/09/2013 05:39	20		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/09/2013 06:03	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/09/2013 06:27	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/09/2013 07:15	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/09/2013 07:38	100		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/09/2013 08:02	100		ZB-624 (60) 0.25 (mm)

Shipping and Receiving Documents

Chain of Custody Record

Temperature on Receipt _____
Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client
AECOM

Address
100 Corporate Plaza Suite 341

City
Amherst

State
NY

Zip Code
14226

Project Name and Location (State)
Scott Avianh, NY

Contract/Purchase Order/Quote No.

Project Manager
Dino Zack

Telephone Number (Area Code)/Fax Number
716-836-4506

Signature
D. Zack

Lab Contact
B. Fischer

Carrier/Trailer Number

Date
4/3/13

Lab Number
Buf

Page
1 of 2

Chain of Custody Number
237609

Analysis (Attach list if more space is needed)

Special Instructions/Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Air	Soil	Sed	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	
			Water	Soil	Sed	Sludge	Unpres	H2SO4	HNO3	HCl										NaOH
MW-2	4/1/13	1155																		
MW-3	4/2/13	0830																		
MW-4	4/3/13	11:45																		
MW-6	4/1/13	1315																		
MW-8R	4/3/13	1230																		
MW-9	4/2/13	0930																		
MW-10	4/1/13	1425																		
MW-11	4/1/13	1230																		
MW-12	4/1/13	155																		
MW-13S	4/2/13	1050																		
MW-13D	4/2/13	1130																		
MW-14S	4/2/13	1545																		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☒ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other: STD

1. Relinquished By
Dino J. Zuck

Date
4/3/13

Time
1300

2. Relinquished By
B. Fischer

Date
4/3/13

Time
1535

3. Relinquished By

Date

Time

1. Received By
Dino J. Zuck

Date
4/3/13

Time
1500

2. Received By
B. Fischer

Date
4-3-13

Time
1535

3. Received By

Date

Time

Comments

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-35528-1

Login Number: 35528

List Source: TestAmerica Buffalo

List Number: 1

Creator: Stau, Brandon

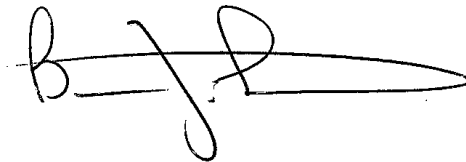
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature 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: 480-35521-1

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
4/23/2013 9:11 AM

Brian Fischer
Project Manager II
brian.fischer@testamericainc.com
04/23/2013

cc: Ms. Helen Jones

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
480-35521-1

Receipt

The samples were received on 4/3/2013 1:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice.

Air Toxics

No analytical or quality issues were noted.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-35521-1

SDG No.: _____

Instrument ID: B.i Analysis Batch Number: 53873Lab Sample ID: IC 200-53873/3 Client Sample ID: _____Date Analyzed: 04/03/13 16:04 Lab File ID: bky03.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethane	7.84	Peak not found by the data system	jd1	04/05/13 09:46

Lab Sample ID: IC 200-53873/4 Client Sample ID: _____Date Analyzed: 04/03/13 16:56 Lab File ID: bky04.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	6.46	Baseline event	pd	04/04/13 11:58
Acetonitrile	6.56	Baseline event	pd	04/04/13 11:59
trans-1,3-Dichloropropene	13.05	Baseline event	pd	04/04/13 12:03

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-35521-1

SDG No.: _____

Instrument ID: G.i Analysis Batch Number: 53355Lab Sample ID: IC 200-53355/4 Client Sample ID: _____Date Analyzed: 03/23/13 17:53 Lab File ID: gia04.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	3.69	Peak not found by the data system	lyonsb	03/25/13 09:35
1,1-Dichloroethane	8.63	Peak not found by the data system	pd	03/25/13 15:12

Lab Sample ID: IC 200-53355/6 Client Sample ID: _____Date Analyzed: 03/23/13 19:33 Lab File ID: gia06.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Pentane	5.34	Peak not found by the data system	lyonsb	03/25/13 10:05

Lab Sample ID: ICIS 200-53355/8 Client Sample ID: _____Date Analyzed: 03/23/13 21:15 Lab File ID: gia08.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	7.04	Baseline event	lyonsb	03/25/13 09:41
Acetonitrile	7.07	Analyte misidentified by the data system	lyonsb	03/25/13 09:44

Lab Sample ID: IC 200-53355/9 Client Sample ID: _____Date Analyzed: 03/23/13 22:05 Lab File ID: gia09.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	7.04	Baseline event	lyonsb	03/25/13 09:41
Acetonitrile	7.07	Analyte misidentified by the data system	lyonsb	03/25/13 09:45

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-35521-1

SDG No.: _____

Instrument ID: G.i Analysis Batch Number: 53355Lab Sample ID: IC 200-53355/10 Client Sample ID: _____Date Analyzed: 03/23/13 22:56 Lab File ID: gia10.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	7.04	Baseline event	lyonsb	03/25/13 09:42
Acetonitrile	7.07	Analyte misidentified by the data system	lyonsb	03/25/13 09:46

Lab Sample ID: IC 200-53355/11 Client Sample ID: _____Date Analyzed: 03/23/13 23:46 Lab File ID: gia11.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	7.05	Baseline event	lyonsb	03/25/13 09:42
Acetonitrile	7.08	Analyte misidentified by the data system	lyonsb	03/25/13 09:46

Lab Sample ID: IC 200-53355/19 Client Sample ID: _____Date Analyzed: 03/24/13 13:22 Lab File ID: gia19.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isopentane	4.76	Peak not found by the data system	lyonsb	03/25/13 09:38
Bromoethene (Vinyl Bromide)	5.05	Peak not found by the data system	lyonsb	03/25/13 10:02
n-Pentane	5.33	Peak not found by the data system	lyonsb	03/25/13 10:02

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-35521-1

SDG No.: _____

Instrument ID: G.i Analysis Batch Number: 53355Lab Sample ID: IC 200-53355/20 Client Sample ID: _____Date Analyzed: 03/24/13 14:13 Lab File ID: gia20.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	7.07	Analyte misidentified by the data system	lyonsb	03/25/13 09:44
n-Dodecane	24.65	Peak not found by the data system	lyonsb	03/25/13 09:56

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-35521-1

SDG No.: _____

Instrument ID: G.i Analysis Batch Number: 53428Lab Sample ID: ICV 200-53428/3 Client Sample ID: _____Date Analyzed: 03/25/13 12:48 Lab File ID: giaa03.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	7.04	Baseline event	lyonsb	03/27/13 15:27
Acetonitrile	7.06	Baseline event	lyonsb	03/27/13 15:28

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-35521-1

SDG No.: _____

Instrument ID: G.i Analysis Batch Number: 54445Lab Sample ID: CCVIS 200-54445/2 Client Sample ID: _____Date Analyzed: 04/17/13 11:18 Lab File ID: giax02.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	7.02	Poor chromatography	lyonsb	04/17/13 11:53
Acetonitrile	7.04	Poor chromatography	lyonsb	04/17/13 11:54

Lab Sample ID: LCS 200-54445/3 Client Sample ID: _____Date Analyzed: 04/17/13 12:13 Lab File ID: giax03.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	7.02	Poor chromatography	lyonsb	04/17/13 12:45

Lab Sample ID: 480-35521-1 Client Sample ID: LRP EffluentDate Analyzed: 04/17/13 23:08 Lab File ID: giax15.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toluene	15.42	Baseline event	lyonsb	04/18/13 09:20

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 480-35521-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-35521-1	LRP Effluent	Air	04/01/2013 1000	04/03/2013 1300
480-35521-2	AS Effluent	Air	04/01/2013 1000	04/03/2013 1300

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-35521-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-35521-1	LRP EFFLUENT					
Vinyl chloride		1400		190	ppb v/v	TO-15
Vinyl chloride		3600		480	ug/m3	TO-15
1,1-Dichloroethane		590		190	ppb v/v	TO-15
1,1-Dichloroethane		2400		750	ug/m3	TO-15
cis-1,2-Dichloroethene		18000		190	ppb v/v	TO-15
cis-1,2-Dichloroethene		70000		740	ug/m3	TO-15
1,2-Dichloroethene, Total		18000		190	ppb v/v	TO-15
1,2-Dichloroethene, Total		70000		740	ug/m3	TO-15
Trichloroethene		22000		190	ppb v/v	TO-15
Trichloroethene		120000		1000	ug/m3	TO-15
480-35521-2	AS EFFLUENT					
Vinyl chloride		4.2		2.4	ppb v/v	TO-15
Vinyl chloride		11		6.1	ug/m3	TO-15
Chloroethane		23		6.0	ppb v/v	TO-15
Chloroethane		61		16	ug/m3	TO-15
1,1-Dichloroethane		10		2.4	ppb v/v	TO-15
1,1-Dichloroethane		42		9.7	ug/m3	TO-15
cis-1,2-Dichloroethene		350		2.4	ppb v/v	TO-15
cis-1,2-Dichloroethene		1400		9.5	ug/m3	TO-15
1,2-Dichloroethene, Total		350		2.4	ppb v/v	TO-15
1,2-Dichloroethene, Total		1400		9.5	ug/m3	TO-15
Trichloroethene		190		2.4	ppb v/v	TO-15
Trichloroethene		1000		13	ug/m3	TO-15

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 480-35521-1

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: 480-35521-1

Method	Analyst	Analyst ID
EPA TO-15	Daigle, Paul A	PAD
EPA TO-15	Lyons, Benjamin	BL

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35521-1

Client Sample ID: LRP Effluent

Lab Sample ID: 480-35521-1

Date Sampled: 04/01/2013 1000

Client Matrix: Air

Date Received: 04/03/2013 1300

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-54445	Instrument ID:	G.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	giac15.d
Dilution:	929.1			Initial Weight/Volume:	20 mL
Analysis Date:	04/17/2013 2308			Final Weight/Volume:	200 mL
Prep Date:	04/17/2013 2308			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Dichlorodifluoromethane	ND		460	460
1,2-Dichlorotetrafluoroethane	ND		190	190
Chloromethane	ND		460	460
Vinyl chloride	1400		190	190
1,3-Butadiene	ND		190	190
Bromomethane	ND		190	190
Chloroethane	ND		460	460
Bromoethene(Vinyl Bromide)	ND		190	190
Trichlorofluoromethane	ND		190	190
Freon TF	ND		190	190
1,1-Dichloroethene	ND		190	190
Acetone	ND		4600	4600
Isopropyl alcohol	ND		4600	4600
Carbon disulfide	ND		460	460
3-Chloropropene	ND		460	460
Methylene Chloride	ND		460	460
tert-Butyl alcohol	ND		4600	4600
Methyl tert-butyl ether	ND		190	190
trans-1,2-Dichloroethene	ND		190	190
n-Hexane	ND		190	190
1,1-Dichloroethane	590		190	190
Methyl Ethyl Ketone	ND		460	460
cis-1,2-Dichloroethene	18000		190	190
1,2-Dichloroethene, Total	18000		190	190
Chloroform	ND		190	190
Tetrahydrofuran	ND		4600	4600
1,1,1-Trichloroethane	ND		190	190
Cyclohexane	ND		190	190
Carbon tetrachloride	ND		190	190
2,2,4-Trimethylpentane	ND		190	190
Benzene	ND		190	190
1,2-Dichloroethane	ND		190	190
n-Heptane	ND		190	190
Trichloroethene	22000		190	190
1,2-Dichloropropane	ND		190	190
1,4-Dioxane	ND		4600	4600
Bromodichloromethane	ND		190	190
cis-1,3-Dichloropropene	ND		190	190
methyl isobutyl ketone	ND		460	460
Toluene	ND		190	190
trans-1,3-Dichloropropene	ND		190	190
1,1,2-Trichloroethane	ND		190	190
Tetrachloroethene	ND		190	190
Methyl Butyl Ketone (2-Hexanone)	ND		460	460
Dibromochloromethane	ND		190	190
1,2-Dibromoethane	ND		190	190

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35521-1

Client Sample ID: LRP Effluent

Lab Sample ID: 480-35521-1

Date Sampled: 04/01/2013 1000

Client Matrix: Air

Date Received: 04/03/2013 1300

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-54445	Instrument ID:	G.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	giar15.d
Dilution:	929.1			Initial Weight/Volume:	20 mL
Analysis Date:	04/17/2013 2308			Final Weight/Volume:	200 mL
Prep Date:	04/17/2013 2308			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Chlorobenzene	ND		190	190
Ethylbenzene	ND		190	190
m,p-Xylene	ND		460	460
Xylene, o-	ND		190	190
Xylene (total)	ND		190	190
Styrene	ND		190	190
Bromoform	ND		190	190
1,1,2,2-Tetrachloroethane	ND		190	190
4-Ethyltoluene	ND		190	190
1,3,5-Trimethylbenzene	ND		190	190
2-Chlorotoluene	ND		190	190
1,2,4-Trimethylbenzene	ND		190	190
1,3-Dichlorobenzene	ND		190	190
1,4-Dichlorobenzene	ND		190	190
1,2-Dichlorobenzene	ND		190	190
1,2,4-Trichlorobenzene	ND		460	460
Hexachlorobutadiene	ND		190	190

Analyte	Result (ug/m3)	Qualifier	RL	RL
Dichlorodifluoromethane	ND		2300	2300
1,2-Dichlorotetrafluoroethane	ND		1300	1300
Chloromethane	ND		960	960
Vinyl chloride	3600		480	480
1,3-Butadiene	ND		410	410
Bromomethane	ND		720	720
Chloroethane	ND		1200	1200
Bromoethene(Vinyl Bromide)	ND		810	810
Trichlorofluoromethane	ND		1000	1000
Freon TF	ND		1400	1400
1,1-Dichloroethene	ND		740	740
Acetone	ND		11000	11000
Isopropyl alcohol	ND		11000	11000
Carbon disulfide	ND		1400	1400
3-Chloropropene	ND		1500	1500
Methylene Chloride	ND		1600	1600
tert-Butyl alcohol	ND		14000	14000
Methyl tert-butyl ether	ND		670	670
trans-1,2-Dichloroethene	ND		740	740
n-Hexane	ND		650	650
1,1-Dichloroethane	2400		750	750
Methyl Ethyl Ketone	ND		1400	1400
cis-1,2-Dichloroethene	70000		740	740
1,2-Dichloroethene, Total	70000		740	740
Chloroform	ND		910	910
Tetrahydrofuran	ND		14000	14000
1,1,1-Trichloroethane	ND		1000	1000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35521-1

Client Sample ID: LRP Effluent

Lab Sample ID: 480-35521-1

Date Sampled: 04/01/2013 1000

Client Matrix: Air

Date Received: 04/03/2013 1300

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-54445	Instrument ID:	G.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	giac15.d
Dilution:	929.1			Initial Weight/Volume:	20 mL
Analysis Date:	04/17/2013 2308			Final Weight/Volume:	200 mL
Prep Date:	04/17/2013 2308			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL	RL
Cyclohexane	ND		640	640
Carbon tetrachloride	ND		1200	1200
2,2,4-Trimethylpentane	ND		870	870
Benzene	ND		590	590
1,2-Dichloroethane	ND		750	750
n-Heptane	ND		760	760
Trichloroethene	120000		1000	1000
1,2-Dichloropropane	ND		860	860
1,4-Dioxane	ND		17000	17000
Bromodichloromethane	ND		1200	1200
cis-1,3-Dichloropropene	ND		840	840
methyl isobutyl ketone	ND		1900	1900
Toluene	ND		700	700
trans-1,3-Dichloropropene	ND		840	840
1,1,2-Trichloroethane	ND		1000	1000
Tetrachloroethene	ND		1300	1300
Methyl Butyl Ketone (2-Hexanone)	ND		1900	1900
Dibromochloromethane	ND		1600	1600
1,2-Dibromoethane	ND		1400	1400
Chlorobenzene	ND		850	850
Ethylbenzene	ND		810	810
m,p-Xylene	ND		2000	2000
Xylene, o-	ND		810	810
Xylene (total)	ND		810	810
Styrene	ND		790	790
Bromoform	ND		1900	1900
1,1,2,2-Tetrachloroethane	ND		1300	1300
4-Ethyltoluene	ND		910	910
1,3,5-Trimethylbenzene	ND		910	910
2-Chlorotoluene	ND		960	960
1,2,4-Trimethylbenzene	ND		910	910
1,3-Dichlorobenzene	ND		1100	1100
1,4-Dichlorobenzene	ND		1100	1100
1,2-Dichlorobenzene	ND		1100	1100
1,2,4-Trichlorobenzene	ND		3400	3400
Hexachlorobutadiene	ND		2000	2000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35521-1

Client Sample ID: AS Effluent

Lab Sample ID: 480-35521-2

Date Sampled: 04/01/2013 1000

Client Matrix: Air

Date Received: 04/03/2013 1300

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-54299	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkyj24.d
Dilution:	12			Initial Weight/Volume:	39 mL
Analysis Date:	04/14/2013 0937			Final Weight/Volume:	200 mL
Prep Date:	04/14/2013 0937			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Dichlorodifluoromethane	ND		6.0	6.0
1,2-Dichlorotetrafluoroethane	ND		2.4	2.4
Chloromethane	ND		6.0	6.0
Vinyl chloride	4.2		2.4	2.4
1,3-Butadiene	ND		2.4	2.4
Bromomethane	ND		2.4	2.4
Chloroethane	23		6.0	6.0
Bromoethene(Vinyl Bromide)	ND		2.4	2.4
Trichlorofluoromethane	ND		2.4	2.4
Freon TF	ND		2.4	2.4
1,1-Dichloroethene	ND		2.4	2.4
Acetone	ND		60	60
Isopropyl alcohol	ND		60	60
Carbon disulfide	ND		6.0	6.0
3-Chloropropene	ND		6.0	6.0
Methylene Chloride	ND		6.0	6.0
tert-Butyl alcohol	ND		60	60
Methyl tert-butyl ether	ND		2.4	2.4
trans-1,2-Dichloroethene	ND		2.4	2.4
n-Hexane	ND		2.4	2.4
1,1-Dichloroethane	10		2.4	2.4
Methyl Ethyl Ketone	ND		6.0	6.0
cis-1,2-Dichloroethene	350		2.4	2.4
1,2-Dichloroethene, Total	350		2.4	2.4
Chloroform	ND		2.4	2.4
Tetrahydrofuran	ND		60	60
1,1,1-Trichloroethane	ND		2.4	2.4
Cyclohexane	ND		2.4	2.4
Carbon tetrachloride	ND		2.4	2.4
2,2,4-Trimethylpentane	ND		2.4	2.4
Benzene	ND		2.4	2.4
1,2-Dichloroethane	ND		2.4	2.4
n-Heptane	ND		2.4	2.4
Trichloroethene	190		2.4	2.4
1,2-Dichloropropane	ND		2.4	2.4
1,4-Dioxane	ND		60	60
Bromodichloromethane	ND		2.4	2.4
cis-1,3-Dichloropropene	ND		2.4	2.4
methyl isobutyl ketone	ND		6.0	6.0
Toluene	ND		2.4	2.4
trans-1,3-Dichloropropene	ND		2.4	2.4
1,1,2-Trichloroethane	ND		2.4	2.4
Tetrachloroethene	ND		2.4	2.4
Methyl Butyl Ketone (2-Hexanone)	ND		6.0	6.0
Dibromochloromethane	ND		2.4	2.4
1,2-Dibromoethane	ND		2.4	2.4

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35521-1

Client Sample ID: AS Effluent

Lab Sample ID: 480-35521-2

Date Sampled: 04/01/2013 1000

Client Matrix: Air

Date Received: 04/03/2013 1300

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-54299	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkyj24.d
Dilution:	12			Initial Weight/Volume:	39 mL
Analysis Date:	04/14/2013 0937			Final Weight/Volume:	200 mL
Prep Date:	04/14/2013 0937			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Chlorobenzene	ND		2.4	2.4
Ethylbenzene	ND		2.4	2.4
m,p-Xylene	ND		6.0	6.0
Xylene, o-	ND		2.4	2.4
Xylene (total)	ND		2.4	2.4
Styrene	ND		2.4	2.4
Bromoform	ND		2.4	2.4
1,1,2,2-Tetrachloroethane	ND		2.4	2.4
4-Ethyltoluene	ND		2.4	2.4
1,3,5-Trimethylbenzene	ND		2.4	2.4
2-Chlorotoluene	ND		2.4	2.4
1,2,4-Trimethylbenzene	ND		2.4	2.4
1,3-Dichlorobenzene	ND		2.4	2.4
1,4-Dichlorobenzene	ND		2.4	2.4
1,2-Dichlorobenzene	ND		2.4	2.4
1,2,4-Trichlorobenzene	ND		6.0	6.0
Hexachlorobutadiene	ND		2.4	2.4

Analyte	Result (ug/m3)	Qualifier	RL	RL
Dichlorodifluoromethane	ND		30	30
1,2-Dichlorotetrafluoroethane	ND		17	17
Chloromethane	ND		12	12
Vinyl chloride	11		6.1	6.1
1,3-Butadiene	ND		5.3	5.3
Bromomethane	ND		9.3	9.3
Chloroethane	61		16	16
Bromoethene(Vinyl Bromide)	ND		10	10
Trichlorofluoromethane	ND		13	13
Freon TF	ND		18	18
1,1-Dichloroethene	ND		9.5	9.5
Acetone	ND		140	140
Isopropyl alcohol	ND		150	150
Carbon disulfide	ND		19	19
3-Chloropropene	ND		19	19
Methylene Chloride	ND		21	21
tert-Butyl alcohol	ND		180	180
Methyl tert-butyl ether	ND		8.7	8.7
trans-1,2-Dichloroethene	ND		9.5	9.5
n-Hexane	ND		8.5	8.5
1,1-Dichloroethane	42		9.7	9.7
Methyl Ethyl Ketone	ND		18	18
cis-1,2-Dichloroethene	1400		9.5	9.5
1,2-Dichloroethene, Total	1400		9.5	9.5
Chloroform	ND		12	12
Tetrahydrofuran	ND		180	180
1,1,1-Trichloroethane	ND		13	13

Analytical Data

Client: AECOM, Inc.

Job Number: 480-35521-1

Client Sample ID: AS Effluent

Lab Sample ID: 480-35521-2

Date Sampled: 04/01/2013 1000

Client Matrix: Air

Date Received: 04/03/2013 1300

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-54299	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkyj24.d
Dilution:	12			Initial Weight/Volume:	39 mL
Analysis Date:	04/14/2013 0937			Final Weight/Volume:	200 mL
Prep Date:	04/14/2013 0937			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL	RL
Cyclohexane	ND		8.3	8.3
Carbon tetrachloride	ND		15	15
2,2,4-Trimethylpentane	ND		11	11
Benzene	ND		7.7	7.7
1,2-Dichloroethane	ND		9.7	9.7
n-Heptane	ND		9.8	9.8
Trichloroethene	1000		13	13
1,2-Dichloropropane	ND		11	11
1,4-Dioxane	ND		220	220
Bromodichloromethane	ND		16	16
cis-1,3-Dichloropropene	ND		11	11
methyl isobutyl ketone	ND		25	25
Toluene	ND		9.0	9.0
trans-1,3-Dichloropropene	ND		11	11
1,1,2-Trichloroethane	ND		13	13
Tetrachloroethene	ND		16	16
Methyl Butyl Ketone (2-Hexanone)	ND		25	25
Dibromochloromethane	ND		20	20
1,2-Dibromoethane	ND		18	18
Chlorobenzene	ND		11	11
Ethylbenzene	ND		10	10
m,p-Xylene	ND		26	26
Xylene, o-	ND		10	10
Xylene (total)	ND		10	10
Styrene	ND		10	10
Bromoform	ND		25	25
1,1,2,2-Tetrachloroethane	ND		16	16
4-Ethyltoluene	ND		12	12
1,3,5-Trimethylbenzene	ND		12	12
2-Chlorotoluene	ND		12	12
1,2,4-Trimethylbenzene	ND		12	12
1,3-Dichlorobenzene	ND		14	14
1,4-Dichlorobenzene	ND		14	14
1,2-Dichlorobenzene	ND		14	14
1,2,4-Trichlorobenzene	ND		45	45
Hexachlorobutadiene	ND		26	26

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-35521-1

Method Blank - Batch: 200-54299

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-54299/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 04/13/2013 1613
 Prep Date: 04/13/2013 1613
 Leach Date: N/A

Analysis Batch: 200-54299
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Instrument ID: B.i
 Lab File ID: bkyj04.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: 480-35521-1

Method Blank - Batch: 200-54299

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-54299/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 04/13/2013 1613
Prep Date: 04/13/2013 1613
Leach Date: N/A

Analysis Batch: 200-54299
Prep Batch: N/A
Leach Batch: N/A
Units: ppb v/v

Instrument ID: B.i
Lab File ID: bkyj04.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: 480-35521-1

Method Blank - Batch: 200-54299

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-54299/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 04/13/2013 1613
 Prep Date: 04/13/2013 1613
 Leach Date: N/A

Analysis Batch: 200-54299
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/m3

Instrument ID: B.i
 Lab File ID: bkyj04.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: 480-35521-1

Method Blank - Batch: 200-54299

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-54299/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 04/13/2013 1613
Prep Date: 04/13/2013 1613
Leach Date: N/A

Analysis Batch: 200-54299
Prep Batch: N/A
Leach Batch: N/A
Units: ug/m3

Instrument ID: B.i
Lab File ID: bkyj04.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: 480-35521-1

Lab Control Sample - Batch: 200-54299

Method: TO-15

Preparation: Summa Canister

Lab Sample ID:	LCS 200-54299/3	Analysis Batch:	200-54299	Instrument ID:	B.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	bkyj03.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/13/2013 1520	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	04/13/2013 1520			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	9.52	95	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	9.52	95	70 - 130	
Chloromethane	10.0	9.35	94	70 - 130	
Vinyl chloride	10.0	9.78	98	70 - 130	
1,3-Butadiene	10.0	10.2	102	70 - 130	
Bromomethane	10.0	9.25	93	70 - 130	
Chloroethane	10.0	9.46	95	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	9.95	100	70 - 130	
Trichlorofluoromethane	10.0	9.71	97	70 - 130	
Freon TF	10.0	10.7	107	70 - 130	
1,1-Dichloroethene	10.0	11.1	111	70 - 130	
Acetone	10.0	10.4	104	70 - 130	
Isopropyl alcohol	10.0	8.88	89	70 - 130	
Carbon disulfide	10.0	10.3	103	70 - 130	
3-Chloropropene	10.0	10.2	102	70 - 130	
Methylene Chloride	10.0	10.4	104	70 - 130	
tert-Butyl alcohol	10.0	9.00	90	70 - 130	
Methyl tert-butyl ether	10.0	10.4	104	70 - 130	
trans-1,2-Dichloroethene	10.0	10.2	102	70 - 130	
n-Hexane	10.0	10.2	102	70 - 130	
1,1-Dichloroethane	10.0	10.1	101	70 - 130	
Methyl Ethyl Ketone	10.0	9.63	96	70 - 130	
cis-1,2-Dichloroethene	10.0	10.5	105	70 - 130	
Chloroform	10.0	10.1	101	70 - 130	
Tetrahydrofuran	10.0	10.1	101	70 - 130	
1,1,1-Trichloroethane	10.0	10.0	100	70 - 130	
Cyclohexane	10.0	10.3	103	70 - 130	
Carbon tetrachloride	10.0	9.80	98	70 - 130	
2,2,4-Trimethylpentane	10.0	10.6	106	70 - 130	
Benzene	10.0	10.0	100	70 - 130	
1,2-Dichloroethane	10.0	10.1	101	70 - 130	
n-Heptane	10.0	10.3	103	70 - 130	
Trichloroethene	10.0	9.87	99	70 - 130	
1,2-Dichloropropane	10.0	9.84	98	70 - 130	
1,4-Dioxane	10.0	7.87	79	70 - 130	
Bromodichloromethane	10.0	10.5	105	70 - 130	
cis-1,3-Dichloropropene	10.0	10.3	103	70 - 130	
methyl isobutyl ketone	10.0	10.8	108	70 - 130	
Toluene	10.0	9.80	98	70 - 130	
trans-1,3-Dichloropropene	10.0	10.1	101	70 - 130	
1,1,2-Trichloroethane	10.0	9.39	94	70 - 130	
Tetrachloroethene	10.0	9.26	93	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.5	105	70 - 130	
Dibromochloromethane	10.0	10.2	102	70 - 130	
1,2-Dibromoethane	10.0	9.72	97	70 - 130	
Chlorobenzene	10.0	9.30	93	70 - 130	

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-35521-1

Lab Control Sample - Batch: 200-54299

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: LCS 200-54299/3
Client Matrix: Air
Dilution: 1.0
Analysis Date: 04/13/2013 1520
Prep Date: 04/13/2013 1520
Leach Date: N/A

Analysis Batch: 200-54299
Prep Batch: N/A
Leach Batch: N/A
Units: ppb v/v

Instrument ID: B.i
Lab File ID: bkyj03.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylbenzene	10.0	9.70	97	70 - 130	
m,p-Xylene	20.0	19.4	97	70 - 130	
Xylene, o-	10.0	9.80	98	70 - 130	
Styrene	10.0	10.2	102	70 - 130	
Bromoform	10.0	10.2	102	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	9.63	96	70 - 130	
4-Ethyltoluene	10.0	10.3	103	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.61	96	70 - 130	
2-Chlorotoluene	10.0	9.91	99	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.50	95	70 - 130	
1,3-Dichlorobenzene	10.0	9.20	92	70 - 130	
1,4-Dichlorobenzene	10.0	9.29	93	70 - 130	
1,2-Dichlorobenzene	10.0	8.93	89	70 - 130	
1,2,4-Trichlorobenzene	10.0	8.05	81	70 - 130	
Hexachlorobutadiene	10.0	8.47	85	70 - 130	

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-35521-1

Method Blank - Batch: 200-54445

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-54445/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 04/17/2013 1314
 Prep Date: 04/17/2013 1314
 Leach Date: N/A

Analysis Batch: 200-54445
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Instrument ID: G.i
 Lab File ID: gix04.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: 480-35521-1

Method Blank - Batch: 200-54445

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-54445/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 04/17/2013 1314
Prep Date: 04/17/2013 1314
Leach Date: N/A

Analysis Batch: 200-54445
Prep Batch: N/A
Leach Batch: N/A
Units: ppb v/v

Instrument ID: G.i
Lab File ID: gix04.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: 480-35521-1

Method Blank - Batch: 200-54445

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-54445/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 04/17/2013 1314
 Prep Date: 04/17/2013 1314
 Leach Date: N/A

Analysis Batch: 200-54445
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/m3

Instrument ID: G.i
 Lab File ID: gix04.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: 480-35521-1

Method Blank - Batch: 200-54445

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-54445/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 04/17/2013 1314
Prep Date: 04/17/2013 1314
Leach Date: N/A

Analysis Batch: 200-54445
Prep Batch: N/A
Leach Batch: N/A
Units: ug/m3

Instrument ID: G.i
Lab File ID: gix04.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: 480-35521-1

Lab Control Sample - Batch: 200-54445

Method: TO-15

Preparation: Summa Canister

Lab Sample ID:	LCS 200-54445/3	Analysis Batch:	200-54445	Instrument ID:	G.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	giac03.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/17/2013 1213	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	04/17/2013 1213			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	12.4	124	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	11.5	115	70 - 130	
Chloromethane	10.0	11.2	112	70 - 130	
Vinyl chloride	10.0	10.2	102	70 - 130	
1,3-Butadiene	10.0	11.9	119	70 - 130	
Bromomethane	10.0	10.4	104	70 - 130	
Chloroethane	10.0	10.2	102	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	10.4	104	70 - 130	
Trichlorofluoromethane	10.0	11.0	110	70 - 130	
Freon TF	10.0	12.0	120	70 - 130	
1,1-Dichloroethene	10.0	12.2	122	70 - 130	
Acetone	10.0	11.9	119	70 - 130	
Isopropyl alcohol	10.0	11.1	111	70 - 130	
Carbon disulfide	10.0	11.4	114	70 - 130	
3-Chloropropene	10.0	11.5	115	70 - 130	
Methylene Chloride	10.0	12.1	121	70 - 130	
tert-Butyl alcohol	10.0	11.0	110	70 - 130	
Methyl tert-butyl ether	10.0	11.5	115	70 - 130	
trans-1,2-Dichloroethene	10.0	11.6	117	70 - 130	
n-Hexane	10.0	11.8	118	70 - 130	
1,1-Dichloroethane	10.0	11.3	113	70 - 130	
Methyl Ethyl Ketone	10.0	10.8	108	70 - 130	
cis-1,2-Dichloroethene	10.0	11.6	116	70 - 130	
Chloroform	10.0	11.5	115	70 - 130	
Tetrahydrofuran	10.0	11.2	112	70 - 130	
1,1,1-Trichloroethane	10.0	11.3	113	70 - 130	
Cyclohexane	10.0	11.2	112	70 - 130	
Carbon tetrachloride	10.0	10.4	104	70 - 130	
2,2,4-Trimethylpentane	10.0	11.0	110	70 - 130	
Benzene	10.0	10.8	109	70 - 130	
1,2-Dichloroethane	10.0	11.2	112	70 - 130	
n-Heptane	10.0	10.9	109	70 - 130	
Trichloroethene	10.0	10.6	106	70 - 130	
1,2-Dichloropropane	10.0	10.2	102	70 - 130	
1,4-Dioxane	10.0	9.60	96	70 - 130	
Bromodichloromethane	10.0	11.3	113	70 - 130	
cis-1,3-Dichloropropene	10.0	9.74	97	70 - 130	
methyl isobutyl ketone	10.0	10.5	105	70 - 130	
Toluene	10.0	9.76	98	70 - 130	
trans-1,3-Dichloropropene	10.0	9.97	100	70 - 130	
1,1,2-Trichloroethane	10.0	9.53	95	70 - 130	
Tetrachloroethene	10.0	9.03	90	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.2	102	70 - 130	
Dibromochloromethane	10.0	10.5	105	70 - 130	
1,2-Dibromoethane	10.0	9.26	93	70 - 130	
Chlorobenzene	10.0	8.85	89	70 - 130	

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-35521-1

Lab Control Sample - Batch: 200-54445

Method: TO-15

Preparation: Summa Canister

Lab Sample ID:	LCS 200-54445/3	Analysis Batch:	200-54445	Instrument ID:	G.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	giar03.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/17/2013 1213	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	04/17/2013 1213			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylbenzene	10.0	10.0	100	70 - 130	
m,p-Xylene	20.0	19.2	96	70 - 130	
Xylene, o-	10.0	9.68	97	70 - 130	
Styrene	10.0	9.86	99	70 - 130	
Bromoform	10.0	9.74	97	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	9.51	95	70 - 130	
4-Ethyltoluene	10.0	10.1	101	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.71	97	70 - 130	
2-Chlorotoluene	10.0	10.1	101	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.72	97	70 - 130	
1,3-Dichlorobenzene	10.0	8.41	84	70 - 130	
1,4-Dichlorobenzene	10.0	8.29	83	70 - 130	
1,2-Dichlorobenzene	10.0	8.38	84	70 - 130	
1,2,4-Trichlorobenzene	10.0	8.32	83	70 - 130	
Hexachlorobutadiene	10.0	9.48	95	70 - 130	

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-35521-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-54299					
LCS 200-54299/3	Lab Control Sample	T	Air	TO-15	
MB 200-54299/4	Method Blank	T	Air	TO-15	
480-35521-2	AS Effluent	T	Air	TO-15	
Analysis Batch:200-54445					
LCS 200-54445/3	Lab Control Sample	T	Air	TO-15	
MB 200-54445/4	Method Blank	T	Air	TO-15	
480-35521-1	LRP Effluent	T	Air	TO-15	

Report Basis

T = Total

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-35521-1

Laboratory Chronicle

Lab ID: 480-35521-1

Client ID: LRP Effluent

Sample Date/Time: 04/01/2013 10:00

Received Date/Time: 04/03/2013 13:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	480-35521-A-1		200-54445		04/17/2013 23:08	929.1	TAL BUR	BL
A:TO-15	480-35521-A-1		200-54445		04/17/2013 23:08	929.1	TAL BUR	BL

Lab ID: 480-35521-2

Client ID: AS Effluent

Sample Date/Time: 04/01/2013 10:00

Received Date/Time: 04/03/2013 13:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	480-35521-A-2		200-54299		04/14/2013 09:37	12	TAL BUR	PAD
A:TO-15	480-35521-A-2		200-54299		04/14/2013 09:37	12	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 200-54299/4		200-54299		04/13/2013 16:13	1	TAL BUR	PAD
A:TO-15	MB 200-54299/4		200-54299		04/13/2013 16:13	1	TAL BUR	PAD
P:Summa Canister	MB 200-54445/4		200-54445		04/17/2013 13:14	1	TAL BUR	BL
A:TO-15	MB 200-54445/4		200-54445		04/17/2013 13:14	1	TAL BUR	BL

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 200-54299/3		200-54299		04/13/2013 15:20	1	TAL BUR	PAD
A:TO-15	LCS 200-54299/3		200-54299		04/13/2013 15:20	1	TAL BUR	PAD
P:Summa Canister	LCS 200-54445/3		200-54445		04/17/2013 12:13	1	TAL BUR	BL
A:TO-15	LCS 200-54445/3		200-54445		04/17/2013 12:13	1	TAL BUR	BL

Lab References:

TAL BUR = TestAmerica Burlington

Certification Summary

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

TestAmerica Job ID: 480-35521-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act	State Program	3	NA
TestAmerica Burlington	Florida	NELAP	4	E87467
TestAmerica Burlington	L-A-B	DoD ELAP		L2336
TestAmerica Burlington	Louisiana	NELAP	6	176292
TestAmerica Burlington	Minnesota	NELAP	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAP	1	200610
TestAmerica Burlington	New Jersey	NELAP	2	VT972
TestAmerica Burlington	New York	NELAP	2	10391
TestAmerica Burlington	Pennsylvania	NELAP	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	NELAP	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.: 480-35521-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: bkyj03.d
 Lab ID: LCS 200-54299/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	9.52	95	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.52	95	70-130	
Chloromethane	10.0	9.35	94	70-130	
Vinyl chloride	10.0	9.78	98	70-130	
1,3-Butadiene	10.0	10.2	102	70-130	
Bromomethane	10.0	9.25	93	70-130	
Chloroethane	10.0	9.46	95	70-130	
Bromoethene (Vinyl Bromide)	10.0	9.95	100	70-130	
Trichlorofluoromethane	10.0	9.71	97	70-130	
Freon TF	10.0	10.7	107	70-130	
1,1-Dichloroethene	10.0	11.1	111	70-130	
Acetone	10.0	10.4	104	70-130	
Isopropyl alcohol	10.0	8.88	89	70-130	
Carbon disulfide	10.0	10.3	103	70-130	
3-Chloropropene	10.0	10.2	102	70-130	
Methylene Chloride	10.0	10.4	104	70-130	
tert-Butyl alcohol	10.0	9.00	90	70-130	
Methyl tert-butyl ether	10.0	10.4	104	70-130	
trans-1,2-Dichloroethene	10.0	10.2	102	70-130	
n-Hexane	10.0	10.2	102	70-130	
1,1-Dichloroethane	10.0	10.1	101	70-130	
Methyl Ethyl Ketone	10.0	9.63	96	70-130	
cis-1,2-Dichloroethene	10.0	10.5	105	70-130	
Chloroform	10.0	10.1	101	70-130	
Tetrahydrofuran	10.0	10.1	101	70-130	
1,1,1-Trichloroethane	10.0	10.0	100	70-130	
Cyclohexane	10.0	10.3	103	70-130	
Carbon tetrachloride	10.0	9.80	98	70-130	
2,2,4-Trimethylpentane	10.0	10.6	106	70-130	
Benzene	10.0	10.0	100	70-130	
1,2-Dichloroethane	10.0	10.1	101	70-130	
n-Heptane	10.0	10.3	103	70-130	
Trichloroethene	10.0	9.87	99	70-130	
1,2-Dichloropropane	10.0	9.84	98	70-130	
1,4-Dioxane	10.0	7.87	79	70-130	
Bromodichloromethane	10.0	10.5	105	70-130	
cis-1,3-Dichloropropene	10.0	10.3	103	70-130	
methyl isobutyl ketone	10.0	10.8	108	70-130	
Toluene	10.0	9.80	98	70-130	
trans-1,3-Dichloropropene	10.0	10.1	101	70-130	
1,1,2-Trichloroethane	10.0	9.39	94	70-130	
Tetrachloroethene	10.0	9.26	93	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.: 480-35521-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: bkyj03.d
 Lab ID: LCS 200-54299/3 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	10.5	105	70-130	
Dibromochloromethane	10.0	10.2	102	70-130	
1,2-Dibromoethane	10.0	9.72	97	70-130	
Chlorobenzene	10.0	9.30	93	70-130	
Ethylbenzene	10.0	9.70	97	70-130	
m,p-Xylene	20.0	19.4	97	70-130	
Xylene, o-	10.0	9.80	98	70-130	
Styrene	10.0	10.2	102	70-130	
Bromoform	10.0	10.2	102	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.63	96	70-130	
4-Ethyltoluene	10.0	10.3	103	70-130	
1,3,5-Trimethylbenzene	10.0	9.61	96	70-130	
2-Chlorotoluene	10.0	9.91	99	70-130	
1,2,4-Trimethylbenzene	10.0	9.50	95	70-130	
1,3-Dichlorobenzene	10.0	9.20	92	70-130	
1,4-Dichlorobenzene	10.0	9.29	93	70-130	
1,2-Dichlorobenzene	10.0	8.93	89	70-130	
1,2,4-Trichlorobenzene	10.0	8.05	81	70-130	
Hexachlorobutadiene	10.0	8.47	85	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.: 480-35521-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: giax03.d
 Lab ID: LCS 200-54445/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	12.4	124	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.5	115	70-130	
Chloromethane	10.0	11.2	112	70-130	
Vinyl chloride	10.0	10.2	102	70-130	
1,3-Butadiene	10.0	11.9	119	70-130	
Bromomethane	10.0	10.4	104	70-130	
Chloroethane	10.0	10.2	102	70-130	
Bromoethene (Vinyl Bromide)	10.0	10.4	104	70-130	
Trichlorofluoromethane	10.0	11.0	110	70-130	
Freon TF	10.0	12.0	120	70-130	
1,1-Dichloroethene	10.0	12.2	122	70-130	
Acetone	10.0	11.9	119	70-130	
Isopropyl alcohol	10.0	11.1	111	70-130	
Carbon disulfide	10.0	11.4	114	70-130	
3-Chloropropene	10.0	11.5	115	70-130	
Methylene Chloride	10.0	12.1	121	70-130	
tert-Butyl alcohol	10.0	11.0	110	70-130	
Methyl tert-butyl ether	10.0	11.5	115	70-130	
trans-1,2-Dichloroethene	10.0	11.6	117	70-130	
n-Hexane	10.0	11.8	118	70-130	
1,1-Dichloroethane	10.0	11.3	113	70-130	
Methyl Ethyl Ketone	10.0	10.8	108	70-130	
cis-1,2-Dichloroethene	10.0	11.6	116	70-130	
Chloroform	10.0	11.5	115	70-130	
Tetrahydrofuran	10.0	11.2	112	70-130	
1,1,1-Trichloroethane	10.0	11.3	113	70-130	
Cyclohexane	10.0	11.2	112	70-130	
Carbon tetrachloride	10.0	10.4	104	70-130	
2,2,4-Trimethylpentane	10.0	11.0	110	70-130	
Benzene	10.0	10.8	109	70-130	
1,2-Dichloroethane	10.0	11.2	112	70-130	
n-Heptane	10.0	10.9	109	70-130	
Trichloroethene	10.0	10.6	106	70-130	
1,2-Dichloropropane	10.0	10.2	102	70-130	
1,4-Dioxane	10.0	9.60	96	70-130	
Bromodichloromethane	10.0	11.3	113	70-130	
cis-1,3-Dichloropropene	10.0	9.74	97	70-130	
methyl isobutyl ketone	10.0	10.5	105	70-130	
Toluene	10.0	9.76	98	70-130	
trans-1,3-Dichloropropene	10.0	9.97	100	70-130	
1,1,2-Trichloroethane	10.0	9.53	95	70-130	
Tetrachloroethene	10.0	9.03	90	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.: 480-35521-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: giax03.d
 Lab ID: LCS 200-54445/3 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	10.2	102	70-130	
Dibromochloromethane	10.0	10.5	105	70-130	
1,2-Dibromoethane	10.0	9.26	93	70-130	
Chlorobenzene	10.0	8.85	89	70-130	
Ethylbenzene	10.0	10.0	100	70-130	
m,p-Xylene	20.0	19.2	96	70-130	
Xylene, o-	10.0	9.68	97	70-130	
Styrene	10.0	9.86	99	70-130	
Bromoform	10.0	9.74	97	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.51	95	70-130	
4-Ethyltoluene	10.0	10.1	101	70-130	
1,3,5-Trimethylbenzene	10.0	9.71	97	70-130	
2-Chlorotoluene	10.0	10.1	101	70-130	
1,2,4-Trimethylbenzene	10.0	9.72	97	70-130	
1,3-Dichlorobenzene	10.0	8.41	84	70-130	
1,4-Dichlorobenzene	10.0	8.29	83	70-130	
1,2-Dichlorobenzene	10.0	8.38	84	70-130	
1,2,4-Trichlorobenzene	10.0	8.32	83	70-130	
Hexachlorobutadiene	10.0	9.48	95	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.: 480-35521-1
SDG No.: _____
Lab File ID: bkyj04.d Lab Sample ID: MB 200-54299/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: B.i Date Analyzed: 04/13/2013 16:13
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 200-54299/3	bkyj03.d	04/13/2013 15:20
AS Effluent	480-35521-2	bkyj24.d	04/14/2013 09:37

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
SDG No.: _____
Lab File ID: giax04.d Lab Sample ID: MB 200-54445/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: G.i Date Analyzed: 04/17/2013 13:14
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 200-54445/3	giax03.d	04/17/2013 12:13
LRP Effluent	480-35521-1	giax15.d	04/17/2013 23:08

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Lab File ID: bky01.d BFB Injection Date: 04/03/2013
 Instrument ID: B.i BFB Injection Time: 14:22
 Analysis Batch No.: 53873

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	9.7
75	30.0 - 66.0% of mass 95	35.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	119.4
175	4.0 - 9.0 % of mass 174	8.4 (7.0) 1
176	93.0 - 101.0% of mass 174	117.3 (98.2) 1
177	5.0 - 9.0% of mass 176	7.6 (6.5) 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 200-53873/3	bky03.d	04/03/2013	16:04
	IC 200-53873/4	bky04.d	04/03/2013	16:56
	IC 200-53873/5	bky05.d	04/03/2013	17:49
	IC 200-53873/6	bky06.d	04/03/2013	18:41
	ICIS 200-53873/7	bky07.d	04/03/2013	19:33
	IC 200-53873/8	bky08.d	04/03/2013	20:26
	IC 200-53873/9	bky09.d	04/03/2013	21:18
	IC 200-53873/10	bky10.d	04/03/2013	22:10
	ICV 200-53873/14	bky14.d	04/04/2013	01:37

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Lab File ID: bkyj01.d BFB Injection Date: 04/13/2013
 Instrument ID: B.i BFB Injection Time: 13:41
 Analysis Batch No.: 54299

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	11.1
75	30.0 - 66.0% of mass 95	37.8
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 - 120.0% of mass 95	100.2
175	4.0 - 9.0 % of mass 174	7.2 (7.2) 1
176	93.0 - 101.0% of mass 174	96.7 (96.5) 1
177	5.0 - 9.0% of mass 176	6.3 (6.5) 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 200-54299/2	bkyj02.d	04/13/2013	14:30
	LCS 200-54299/3	bkyj03.d	04/13/2013	15:20
	MB 200-54299/4	bkyj04.d	04/13/2013	16:13
AS Effluent	480-35521-2	bkyj24.d	04/14/2013	09:37

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Lab File ID: gia01.d BFB Injection Date: 03/23/2013
 Instrument ID: G.i BFB Injection Time: 14:52
 Analysis Batch No.: 53355

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	13.8
75	30.0 - 66.0% of mass 95	42.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 120.0% of mass 95	80.4
175	4.0 - 9.0 % of mass 174	5.6 (6.9) 1
176	93.0 - 101.0% of mass 174	77.1 (95.9) 1
177	5.0 - 9.0% of mass 176	5.0 (6.5) 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 200-53355/4	gia04.d	03/23/2013	17:53
	IC 200-53355/6	gia06.d	03/23/2013	19:33
	ICIS 200-53355/8	gia08.d	03/23/2013	21:15
	IC 200-53355/9	gia09.d	03/23/2013	22:05
	IC 200-53355/10	gia10.d	03/23/2013	22:56
	IC 200-53355/11	gia11.d	03/23/2013	23:46
	IC 200-53355/19	gia19.d	03/24/2013	13:22
	IC 200-53355/20	gia20.d	03/24/2013	14:13

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Lab File ID: giaa01.d BFB Injection Date: 03/25/2013
 Instrument ID: G.i BFB Injection Time: 10:54
 Analysis Batch No.: 53428

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	13.4
75	30.0 - 66.0% of mass 95	43.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.4 (0.5) 1
174	50.0 - 120.0% of mass 95	79.0
175	4.0 - 9.0 % of mass 174	5.6 (7.0) 1
176	93.0 - 101.0% of mass 174	76.7 (97.2) 1
177	5.0 - 9.0% of mass 176	5.1 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 200-53428/3	giaa03.d	03/25/2013	12:48

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Lab File ID: giax01.d BFB Injection Date: 04/17/2013
 Instrument ID: G.i BFB Injection Time: 10:23
 Analysis Batch No.: 54445

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	14.3
75	30.0 - 66.0% of mass 95	44.6
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	0.4 (0.6) 1
174	50.0 - 120.0% of mass 95	76.1
175	4.0 - 9.0 % of mass 174	5.3 (6.9) 1
176	93.0 - 101.0% of mass 174	73.1 (96.1) 1
177	5.0 - 9.0% of mass 176	4.6 (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 200-54445/2	giax02.d	04/17/2013	11:18
	LCS 200-54445/3	giax03.d	04/17/2013	12:13
	MB 200-54445/4	giax04.d	04/17/2013	13:14
LRP Effluent	480-35521-1	giax15.d	04/17/2013	23:08

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

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Sample No.: ICIS 200-53873/7 Date Analyzed: 04/03/2013 19:33
 Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): bky07.d Heated Purge: (Y/N) N
 Calibration ID: 20950

	BCM		DFB		CBZ	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	592030	9.10	2803317	10.51	2656278	14.65
UPPER LIMIT	828842	9.43	3924644	10.84	3718789	14.98
LOWER LIMIT	355218	8.77	1681990	10.18	1593767	14.32
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-53873/14		667336	9.10	3150977	10.51	2958301
						14.64

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.: 480-35521-1
 SDG No.: _____
 Sample No.: CCVIS 200-54299/2 Date Analyzed: 04/13/2013 14:30
 Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): bkyj02.d Heated Purge: (Y/N) N
 Calibration ID: 20950

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		528279	9.09	2462930	10.51	2375690	14.64
UPPER LIMIT		739591	9.42	3448102	10.84	3325966	14.97
LOWER LIMIT		316967	8.76	1477758	10.18	1425414	14.31
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-54299/3		572254	9.10	2725979	10.51	2534017	14.65
MB 200-54299/4		550381	9.10	2666595	10.51	2333369	14.64
480-35521-2	AS Effluent	650713	9.10	3094199	10.51	2722027	14.64

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.: 480-35521-1
 SDG No.: _____
 Sample No.: CCVIS 200-54445/2 Date Analyzed: 04/17/2013 11:18
 Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): giax02.d Heated Purge: (Y/N) N
 Calibration ID: 20860

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		285260	10.17	1461058	12.19	1642484	18.34
UPPER LIMIT		399364	10.50	2045481	12.52	2299478	18.67
LOWER LIMIT		171156	9.84	876635	11.86	985490	18.01
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-54445/3		287222	10.17	1647674	12.20	1952356	18.34
MB 200-54445/4		248247	10.16	1697600	12.19	1679489	18.33
480-35521-1		LRP Effluent	278679	10.16	1731711	12.19	1793441

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.: 480-35521-1

SDG No.: _____

Client Sample ID: LRP Effluent Lab Sample ID: 480-35521-1

Matrix: Air Lab File ID: giax15.d

Analysis Method: TO-15 Date Collected: 04/01/2013 10:00

Sample wt/vol: 20 (mL) Date Analyzed: 04/17/2013 23:08

Soil Aliquot Vol: _____ Dilution Factor: 929.1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

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

Analysis Batch No.: 54445 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		460	460
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		190	190
74-87-3	Chloromethane	50.49	ND		460	460
75-01-4	Vinyl chloride	62.50	1400		190	190
106-99-0	1,3-Butadiene	54.09	ND		190	190
74-83-9	Bromomethane	94.94	ND		190	190
75-00-3	Chloroethane	64.52	ND		460	460
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		190	190
75-69-4	Trichlorofluoromethane	137.37	ND		190	190
76-13-1	Freon TF	187.38	ND		190	190
75-35-4	1,1-Dichloroethene	96.94	ND		190	190
67-64-1	Acetone	58.08	ND		4600	4600
67-63-0	Isopropyl alcohol	60.10	ND		4600	4600
75-15-0	Carbon disulfide	76.14	ND		460	460
107-05-1	3-Chloropropene	76.53	ND		460	460
75-09-2	Methylene Chloride	84.93	ND		460	460
75-65-0	tert-Butyl alcohol	74.12	ND		4600	4600
1634-04-4	Methyl tert-butyl ether	88.15	ND		190	190
156-60-5	trans-1,2-Dichloroethene	96.94	ND		190	190
110-54-3	n-Hexane	86.17	ND		190	190
75-34-3	1,1-Dichloroethane	98.96	590		190	190
78-93-3	Methyl Ethyl Ketone	72.11	ND		460	460
156-59-2	cis-1,2-Dichloroethene	96.94	18000		190	190
540-59-0	1,2-Dichloroethene, Total	96.94	18000		190	190
67-66-3	Chloroform	119.38	ND		190	190
109-99-9	Tetrahydrofuran	72.11	ND		4600	4600
71-55-6	1,1,1-Trichloroethane	133.41	ND		190	190
110-82-7	Cyclohexane	84.16	ND		190	190
56-23-5	Carbon tetrachloride	153.81	ND		190	190
540-84-1	2,2,4-Trimethylpentane	114.23	ND		190	190
71-43-2	Benzene	78.11	ND		190	190
107-06-2	1,2-Dichloroethane	98.96	ND		190	190
142-82-5	n-Heptane	100.21	ND		190	190
79-01-6	Trichloroethene	131.39	22000		190	190

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-35521-1

SDG No.: _____

Client Sample ID: LRP Effluent Lab Sample ID: 480-35521-1

Matrix: Air Lab File ID: giax15.d

Analysis Method: TO-15 Date Collected: 04/01/2013 10:00

Sample wt/vol: 20 (mL) Date Analyzed: 04/17/2013 23:08

Soil Aliquot Vol: _____ Dilution Factor: 929.1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

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

Analysis Batch No.: 54445 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	ND		190	190
123-91-1	1,4-Dioxane	88.11	ND		4600	4600
75-27-4	Bromodichloromethane	163.83	ND		190	190
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		190	190
108-10-1	methyl isobutyl ketone	100.16	ND		460	460
108-88-3	Toluene	92.14	ND		190	190
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		190	190
79-00-5	1,1,2-Trichloroethane	133.41	ND		190	190
127-18-4	Tetrachloroethene	165.83	ND		190	190
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		460	460
124-48-1	Dibromochloromethane	208.29	ND		190	190
106-93-4	1,2-Dibromoethane	187.87	ND		190	190
108-90-7	Chlorobenzene	112.30	ND		190	190
100-41-4	Ethylbenzene	106.17	ND		190	190
179601-23-1	m,p-Xylene	106.17	ND		460	460
95-47-6	Xylene, o-	106.17	ND		190	190
1330-20-7	Xylene (total)	106.17	ND		190	190
100-42-5	Styrene	104.15	ND		190	190
75-25-2	Bromoform	252.75	ND		190	190
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		190	190
622-96-8	4-Ethyltoluene	120.20	ND		190	190
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		190	190
95-49-8	2-Chlorotoluene	126.59	ND		190	190
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		190	190
541-73-1	1,3-Dichlorobenzene	147.00	ND		190	190
106-46-7	1,4-Dichlorobenzene	147.00	ND		190	190
95-50-1	1,2-Dichlorobenzene	147.00	ND		190	190
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		460	460
87-68-3	Hexachlorobutadiene	260.76	ND		190	190

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-35521-1

SDG No.: _____

Client Sample ID: LRP Effluent Lab Sample ID: 480-35521-1

Matrix: Air Lab File ID: giax15.d

Analysis Method: TO-15 Date Collected: 04/01/2013 10:00

Sample wt/vol: 20 (mL) Date Analyzed: 04/17/2013 23:08

Soil Aliquot Vol: _____ Dilution Factor: 929.1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

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

Analysis Batch No.: 54445 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		2300	2300
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1300	1300
74-87-3	Chloromethane	50.49	ND		960	960
75-01-4	Vinyl chloride	62.50	3600		480	480
106-99-0	1,3-Butadiene	54.09	ND		410	410
74-83-9	Bromomethane	94.94	ND		720	720
75-00-3	Chloroethane	64.52	ND		1200	1200
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		810	810
75-69-4	Trichlorofluoromethane	137.37	ND		1000	1000
76-13-1	Freon TF	187.38	ND		1400	1400
75-35-4	1,1-Dichloroethene	96.94	ND		740	740
67-64-1	Acetone	58.08	ND		11000	11000
67-63-0	Isopropyl alcohol	60.10	ND		11000	11000
75-15-0	Carbon disulfide	76.14	ND		1400	1400
107-05-1	3-Chloropropene	76.53	ND		1500	1500
75-09-2	Methylene Chloride	84.93	ND		1600	1600
75-65-0	tert-Butyl alcohol	74.12	ND		14000	14000
1634-04-4	Methyl tert-butyl ether	88.15	ND		670	670
156-60-5	trans-1,2-Dichloroethene	96.94	ND		740	740
110-54-3	n-Hexane	86.17	ND		650	650
75-34-3	1,1-Dichloroethane	98.96	2400		750	750
78-93-3	Methyl Ethyl Ketone	72.11	ND		1400	1400
156-59-2	cis-1,2-Dichloroethene	96.94	70000		740	740
540-59-0	1,2-Dichloroethene, Total	96.94	70000		740	740
67-66-3	Chloroform	119.38	ND		910	910
109-99-9	Tetrahydrofuran	72.11	ND		14000	14000
71-55-6	1,1,1-Trichloroethane	133.41	ND		1000	1000
110-82-7	Cyclohexane	84.16	ND		640	640
56-23-5	Carbon tetrachloride	153.81	ND		1200	1200
540-84-1	2,2,4-Trimethylpentane	114.23	ND		870	870
71-43-2	Benzene	78.11	ND		590	590
107-06-2	1,2-Dichloroethane	98.96	ND		750	750
142-82-5	n-Heptane	100.21	ND		760	760
79-01-6	Trichloroethene	131.39	120000		1000	1000

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-35521-1

SDG No.: _____

Client Sample ID: LRP Effluent Lab Sample ID: 480-35521-1

Matrix: Air Lab File ID: giax15.d

Analysis Method: TO-15 Date Collected: 04/01/2013 10:00

Sample wt/vol: 20 (mL) Date Analyzed: 04/17/2013 23:08

Soil Aliquot Vol: _____ Dilution Factor: 929.1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

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

Analysis Batch No.: 54445 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	ND		860	860
123-91-1	1,4-Dioxane	88.11	ND		17000	17000
75-27-4	Bromodichloromethane	163.83	ND		1200	1200
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		840	840
108-10-1	methyl isobutyl ketone	100.16	ND		1900	1900
108-88-3	Toluene	92.14	ND		700	700
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		840	840
79-00-5	1,1,2-Trichloroethane	133.41	ND		1000	1000
127-18-4	Tetrachloroethene	165.83	ND		1300	1300
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		1900	1900
124-48-1	Dibromochloromethane	208.29	ND		1600	1600
106-93-4	1,2-Dibromoethane	187.87	ND		1400	1400
108-90-7	Chlorobenzene	112.30	ND		850	850
100-41-4	Ethylbenzene	106.17	ND		810	810
179601-23-1	m,p-Xylene	106.17	ND		2000	2000
95-47-6	Xylene, o-	106.17	ND		810	810
1330-20-7	Xylene (total)	106.17	ND		810	810
100-42-5	Styrene	104.15	ND		790	790
75-25-2	Bromoform	252.75	ND		1900	1900
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1300	1300
622-96-8	4-Ethyltoluene	120.20	ND		910	910
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		910	910
95-49-8	2-Chlorotoluene	126.59	ND		960	960
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		910	910
541-73-1	1,3-Dichlorobenzene	147.00	ND		1100	1100
106-46-7	1,4-Dichlorobenzene	147.00	ND		1100	1100
95-50-1	1,2-Dichlorobenzene	147.00	ND		1100	1100
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3400	3400
87-68-3	Hexachlorobutadiene	260.76	ND		2000	2000

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 480-35521-1
Client Smp ID: LRP Effluent
Inj Date : 17-APR-2013 23:08
Operator : BL
Smp Info : 480-35521-A-1
Misc Info : 20,929.1 CDF=92.91
Comment :
Method : /chem/G.i/Gsvr.p/giaxto15.b/to15v5.m
Meth Date : 18-Apr-2013 10:45 lyonsb
Cal Date : 24-MAR-2013 14:13
Als bottle: 8
Dil Factor: 929.10000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gia20.d
Compound Sublist: T015all.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	929.10000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	20.00000	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)
2 Dichlorodifluoromethane	85						
4 1,2-Dichloro-1,1,2,2-tetraflu	85						
5 Chloromethane	50						
7 Vinyl chloride	62	3.680	3.691	(0.362)	25377	1.49692	1400
8 1,3-Butadiene	54						
9 Bromomethane	94						
10 Chloroethane	64						
12 Vinyl bromide	106						
13 Trichlorofluoromethane	101						
17 1,1,2-Trichloro-1,2,2-trifluo	101						
19 1,1-Dichloroethene	96	6.259	6.275	(0.616)	2800	0.15932	150(a)
20 Acetone	43						
21 Carbon disulfide	76						
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				Compound Not Detected.		
30 n-Hexane	57				Compound Not Detected.		
31 1,1-Dichloroethane	63	8.613	8.634	(0.847)	18917	0.63006	590
M 33 1,2-Dichloroethene, Total	61				431558	18.9497	18000
34 1,2-Dichloroethene (cis)	96	9.715	9.741	(0.956)	431558	18.9497	18000
36 Methyl Ethyl Ketone	72				Compound Not Detected.		
* 37 Bromochloromethane	128	10.164	10.196	(1.000)	278679	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	10.619	10.651	(0.871)	9146	0.13168	120(a)
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	12.192	12.224	(1.000)	1731711	10.0000	
49 Trichloroethene	95	12.689	12.716	(1.041)	1221047	23.2950	22000
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	15.423	15.434	(0.841)	3421	0.05020	47(aM)
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	18.338	18.360	(1.000)	1793441	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.		

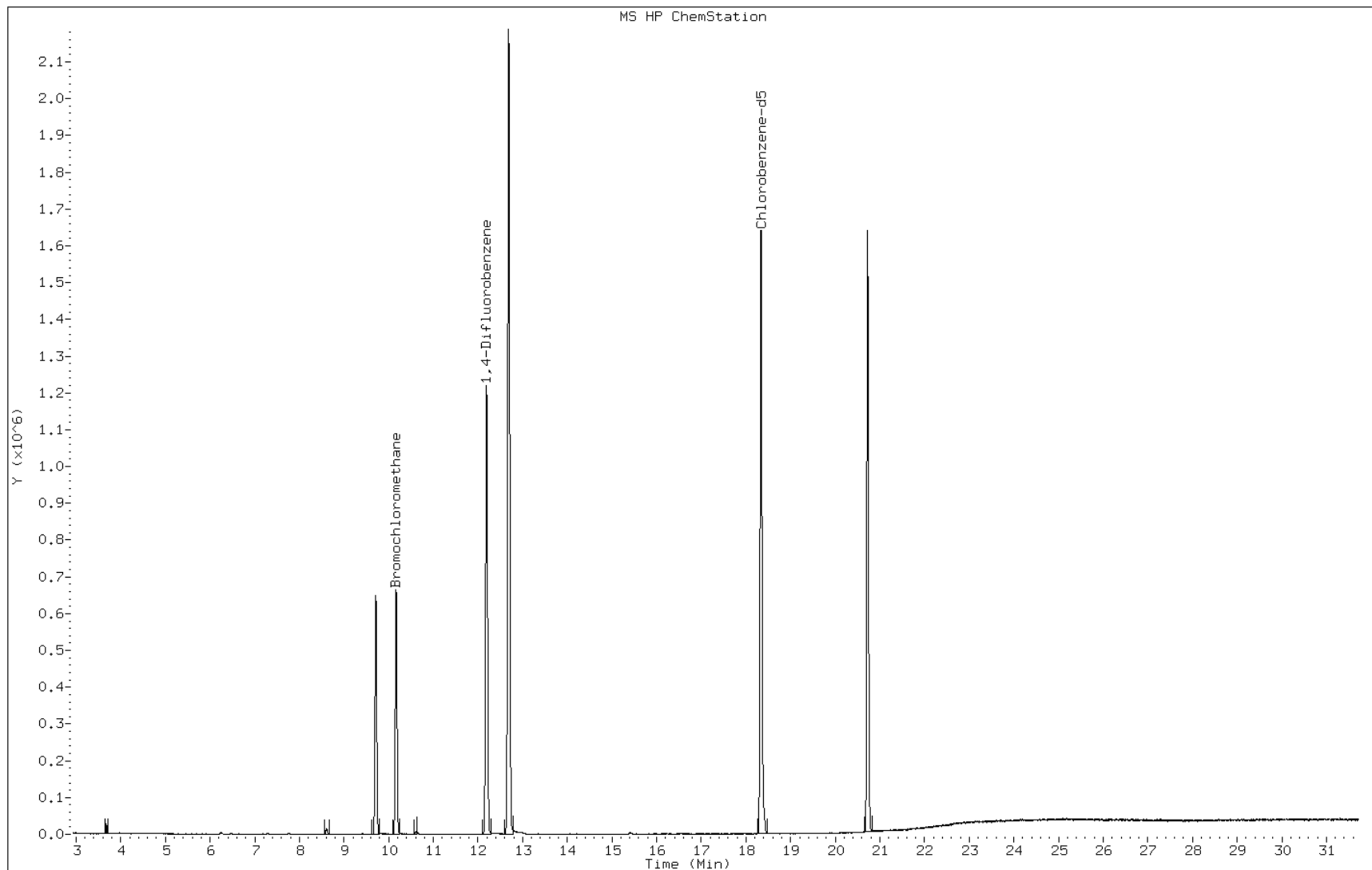
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound 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).
- M - Compound response manually integrated.

Data File: giax15.d
Client ID: LRP Effluent
Operator: BL
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 480-35521-A-1
Lab Sample ID: 480-35521-1

Date: 17-APR-2013 23:08
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



Data File: giap15.d

Lab Sample ID: 480-35521-1

Date: 17-APR-2013 23:08

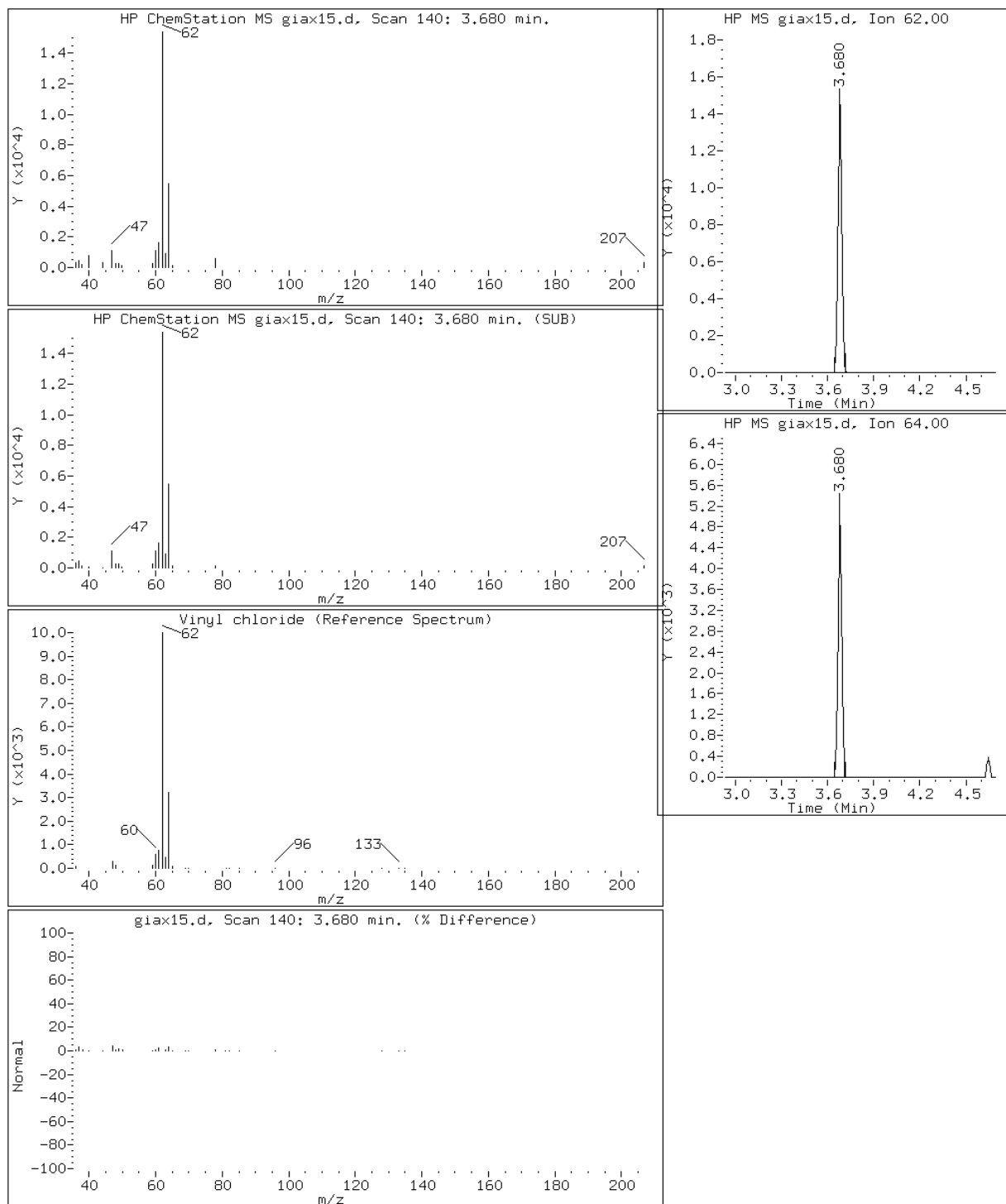
Client ID: LRP Effluent

Instrument: G.i

Sample Info: 480-35521-A-1

Operator: BL

7 Vinyl chloride



Data File: giax15.d

Lab Sample ID: 480-35521-1

Date: 17-APR-2013 23:08

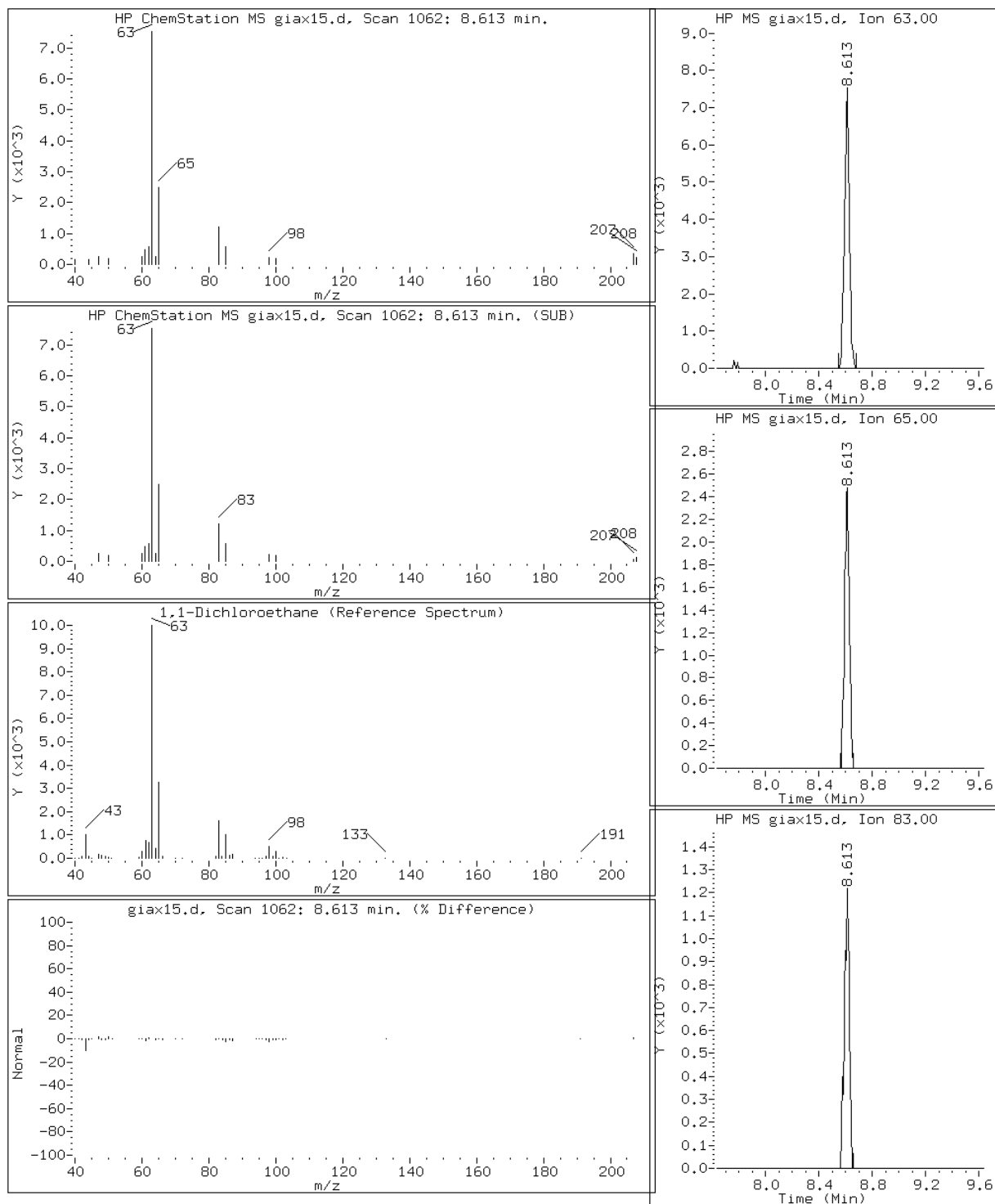
Client ID: LRP Effluent

Instrument: G.i

Sample Info: 480-35521-A-1

Operator: BL

31 1,1-Dichloroethane



Data File: giax15.d

Lab Sample ID: 480-35521-1

Date: 17-APR-2013 23:08

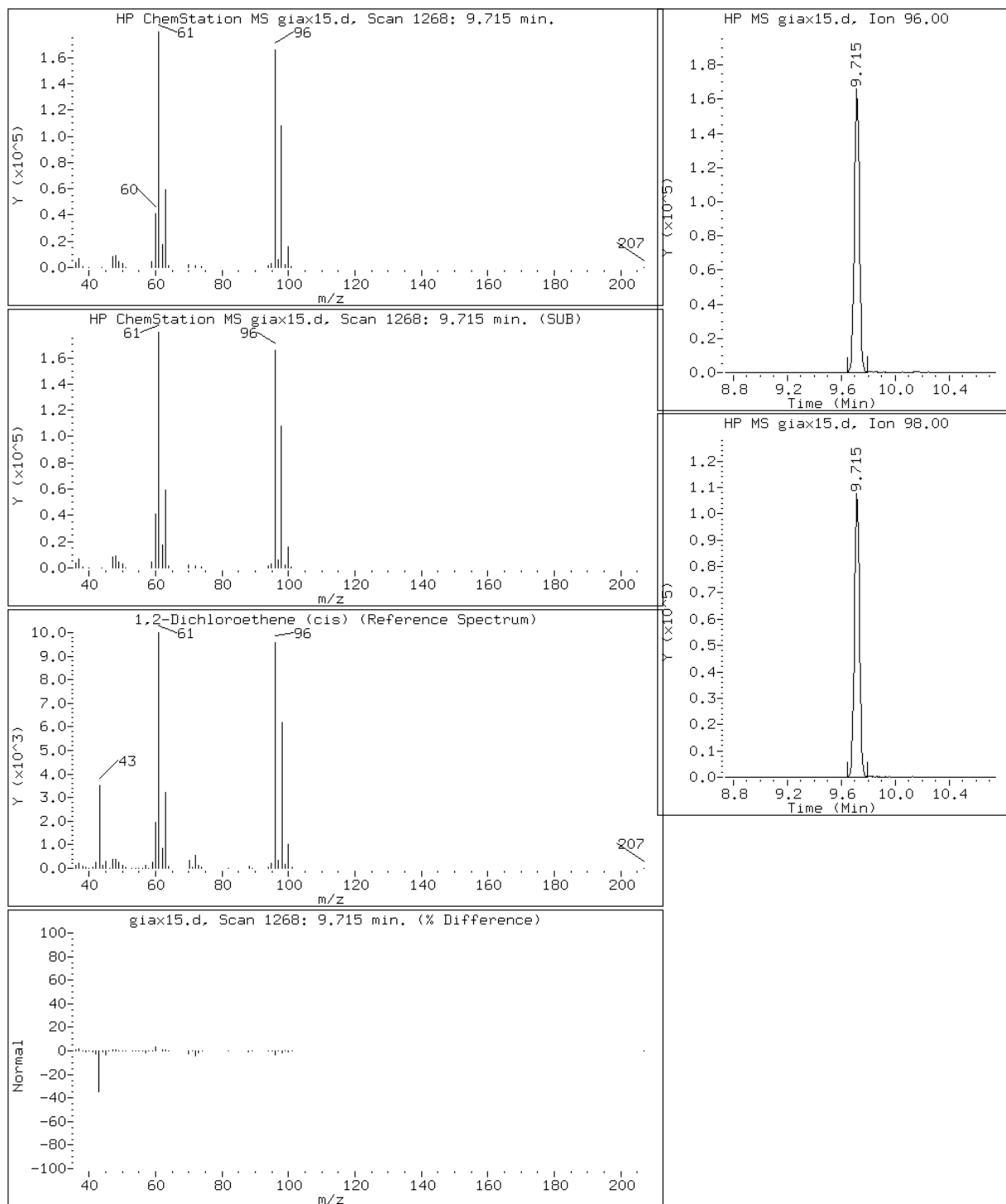
Client ID: LRP Effluent

Instrument: G.i

Sample Info: 480-35521-A-1

Operator: BL

34 1,2-Dichloroethene (cis)



Data File: gfax15.d

Lab Sample ID: 480-35521-1

Date: 17-APR-2013 23:08

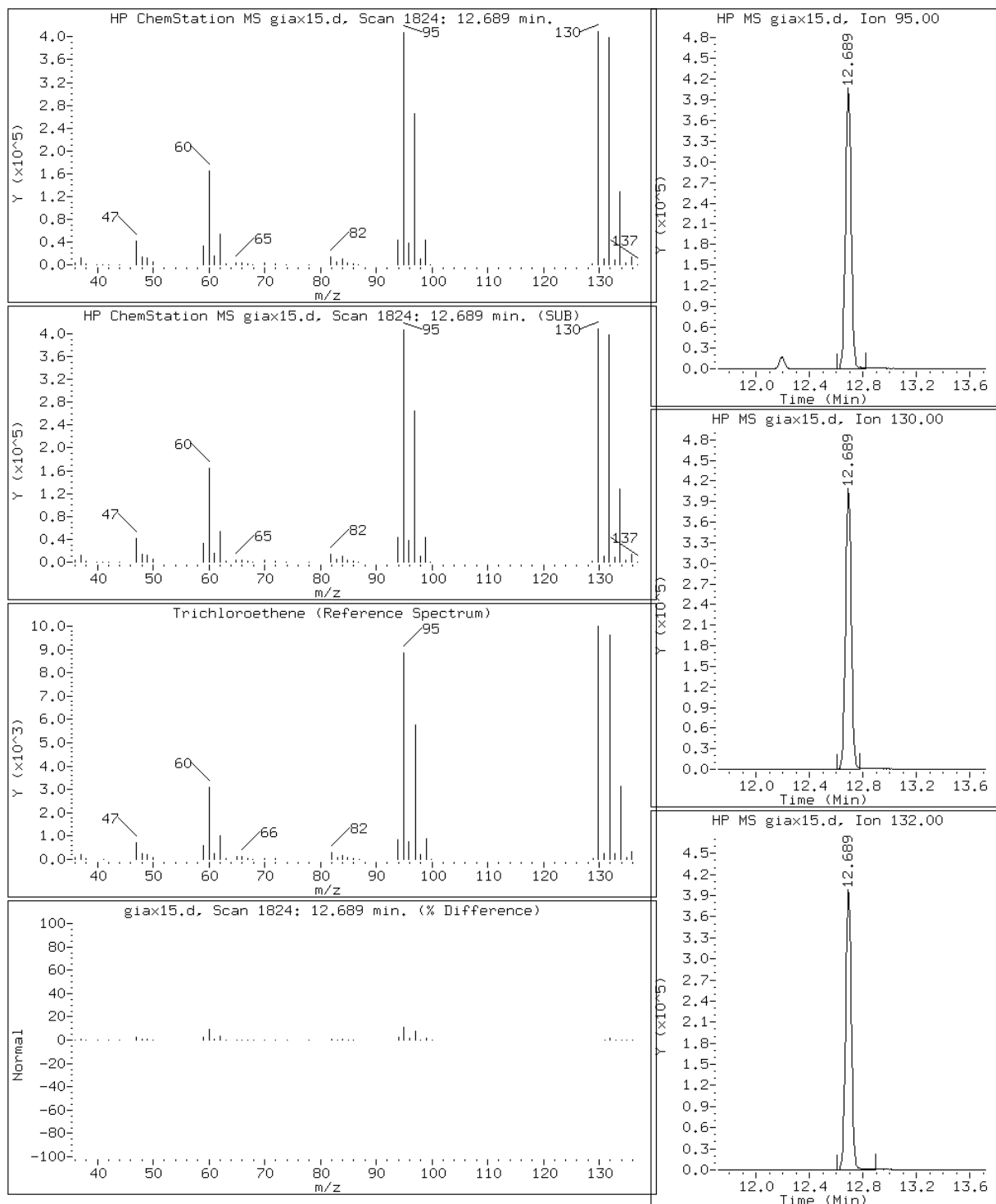
Client ID: LRP Effluent

Instrument: G.i

Sample Info: 480-35521-A-1

Operator: BL

49 Trichloroethene

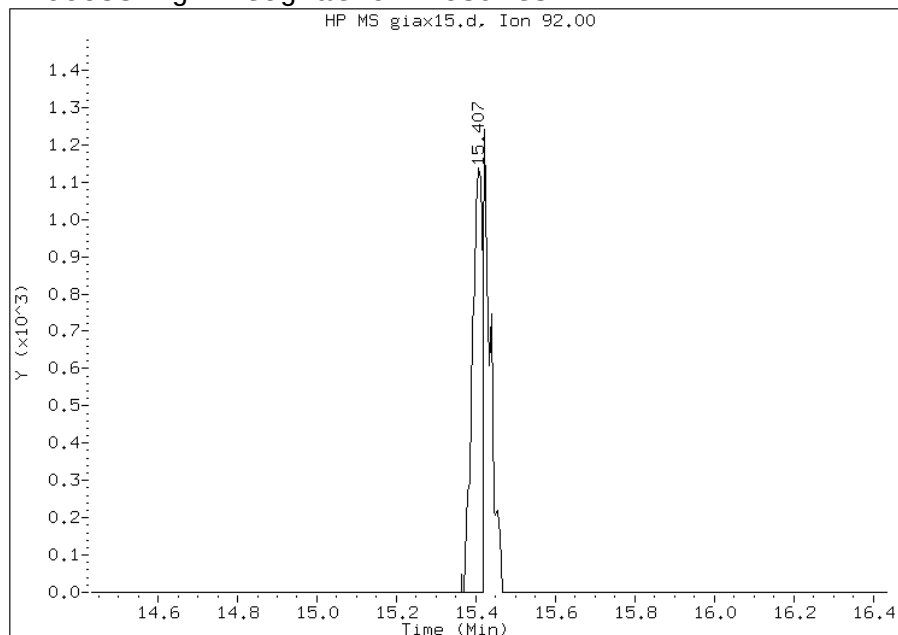


Manual Integration Report

Data File: giax15.d
Lab Sample ID: 480-35521-1
Inj. Date and Time: 17-APR-2013 23:08
Instrument ID: G.i
Client ID: LRP Effluent
Compound: 58 Toluene
CAS #: 108-88-3
Report Date: 04/18/2013

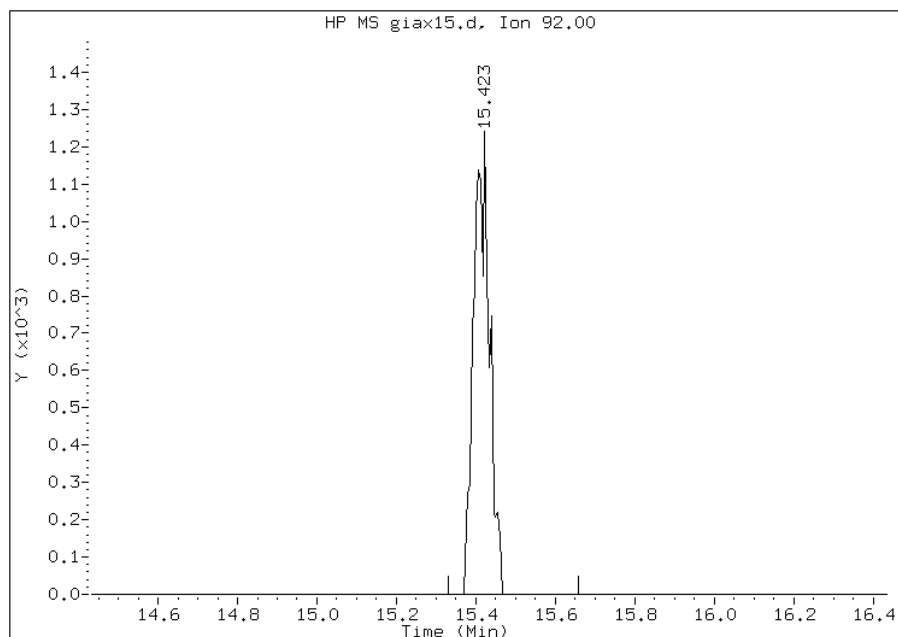
Processing Integration Results

RT: 15.41
Response: 2057
Amount: 0.030197
Conc: 28.06



Manual Integration Results

RT: 15.42
Response: 3421
Amount: 0.050198
Conc: 46.64



File Uploaded By: lyonsb
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Client Sample ID: AS Effluent Lab Sample ID: 480-35521-2
 Matrix: Air Lab File ID: bkyj24.d
 Analysis Method: TO-15 Date Collected: 04/01/2013 10:00
 Sample wt/vol: 39 (mL) Date Analyzed: 04/14/2013 09:37
 Soil Aliquot Vol: _____ Dilution Factor: 12
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 54299 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		6.0	6.0
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		2.4	2.4
74-87-3	Chloromethane	50.49	ND		6.0	6.0
75-01-4	Vinyl chloride	62.50	4.2		2.4	2.4
106-99-0	1,3-Butadiene	54.09	ND		2.4	2.4
74-83-9	Bromomethane	94.94	ND		2.4	2.4
75-00-3	Chloroethane	64.52	23		6.0	6.0
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		2.4	2.4
75-69-4	Trichlorofluoromethane	137.37	ND		2.4	2.4
76-13-1	Freon TF	187.38	ND		2.4	2.4
75-35-4	1,1-Dichloroethene	96.94	ND		2.4	2.4
67-64-1	Acetone	58.08	ND		60	60
67-63-0	Isopropyl alcohol	60.10	ND		60	60
75-15-0	Carbon disulfide	76.14	ND		6.0	6.0
107-05-1	3-Chloropropene	76.53	ND		6.0	6.0
75-09-2	Methylene Chloride	84.93	ND		6.0	6.0
75-65-0	tert-Butyl alcohol	74.12	ND		60	60
1634-04-4	Methyl tert-butyl ether	88.15	ND		2.4	2.4
156-60-5	trans-1,2-Dichloroethene	96.94	ND		2.4	2.4
110-54-3	n-Hexane	86.17	ND		2.4	2.4
75-34-3	1,1-Dichloroethane	98.96	10		2.4	2.4
78-93-3	Methyl Ethyl Ketone	72.11	ND		6.0	6.0
156-59-2	cis-1,2-Dichloroethene	96.94	350		2.4	2.4
540-59-0	1,2-Dichloroethene, Total	96.94	350		2.4	2.4
67-66-3	Chloroform	119.38	ND		2.4	2.4
109-99-9	Tetrahydrofuran	72.11	ND		60	60
71-55-6	1,1,1-Trichloroethane	133.41	ND		2.4	2.4
110-82-7	Cyclohexane	84.16	ND		2.4	2.4
56-23-5	Carbon tetrachloride	153.81	ND		2.4	2.4
540-84-1	2,2,4-Trimethylpentane	114.23	ND		2.4	2.4
71-43-2	Benzene	78.11	ND		2.4	2.4
107-06-2	1,2-Dichloroethane	98.96	ND		2.4	2.4
142-82-5	n-Heptane	100.21	ND		2.4	2.4
79-01-6	Trichloroethene	131.39	190		2.4	2.4

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Client Sample ID: AS Effluent Lab Sample ID: 480-35521-2
 Matrix: Air Lab File ID: bkyj24.d
 Analysis Method: TO-15 Date Collected: 04/01/2013 10:00
 Sample wt/vol: 39 (mL) Date Analyzed: 04/14/2013 09:37
 Soil Aliquot Vol: _____ Dilution Factor: 12
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 54299 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	ND		2.4	2.4
123-91-1	1,4-Dioxane	88.11	ND		60	60
75-27-4	Bromodichloromethane	163.83	ND		2.4	2.4
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		2.4	2.4
108-10-1	methyl isobutyl ketone	100.16	ND		6.0	6.0
108-88-3	Toluene	92.14	ND		2.4	2.4
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		2.4	2.4
79-00-5	1,1,2-Trichloroethane	133.41	ND		2.4	2.4
127-18-4	Tetrachloroethene	165.83	ND		2.4	2.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		6.0	6.0
124-48-1	Dibromochloromethane	208.29	ND		2.4	2.4
106-93-4	1,2-Dibromoethane	187.87	ND		2.4	2.4
108-90-7	Chlorobenzene	112.30	ND		2.4	2.4
100-41-4	Ethylbenzene	106.17	ND		2.4	2.4
179601-23-1	m,p-Xylene	106.17	ND		6.0	6.0
95-47-6	Xylene, o-	106.17	ND		2.4	2.4
1330-20-7	Xylene (total)	106.17	ND		2.4	2.4
100-42-5	Styrene	104.15	ND		2.4	2.4
75-25-2	Bromoform	252.75	ND		2.4	2.4
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		2.4	2.4
622-96-8	4-Ethyltoluene	120.20	ND		2.4	2.4
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		2.4	2.4
95-49-8	2-Chlorotoluene	126.59	ND		2.4	2.4
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		2.4	2.4
541-73-1	1,3-Dichlorobenzene	147.00	ND		2.4	2.4
106-46-7	1,4-Dichlorobenzene	147.00	ND		2.4	2.4
95-50-1	1,2-Dichlorobenzene	147.00	ND		2.4	2.4
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		6.0	6.0
87-68-3	Hexachlorobutadiene	260.76	ND		2.4	2.4

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Client Sample ID: AS Effluent Lab Sample ID: 480-35521-2
 Matrix: Air Lab File ID: bkyj24.d
 Analysis Method: TO-15 Date Collected: 04/01/2013 10:00
 Sample wt/vol: 39 (mL) Date Analyzed: 04/14/2013 09:37
 Soil Aliquot Vol: _____ Dilution Factor: 12
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 54299 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		30	30
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		17	17
74-87-3	Chloromethane	50.49	ND		12	12
75-01-4	Vinyl chloride	62.50	11		6.1	6.1
106-99-0	1,3-Butadiene	54.09	ND		5.3	5.3
74-83-9	Bromomethane	94.94	ND		9.3	9.3
75-00-3	Chloroethane	64.52	61		16	16
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		10	10
75-69-4	Trichlorofluoromethane	137.37	ND		13	13
76-13-1	Freon TF	187.38	ND		18	18
75-35-4	1,1-Dichloroethene	96.94	ND		9.5	9.5
67-64-1	Acetone	58.08	ND		140	140
67-63-0	Isopropyl alcohol	60.10	ND		150	150
75-15-0	Carbon disulfide	76.14	ND		19	19
107-05-1	3-Chloropropene	76.53	ND		19	19
75-09-2	Methylene Chloride	84.93	ND		21	21
75-65-0	tert-Butyl alcohol	74.12	ND		180	180
1634-04-4	Methyl tert-butyl ether	88.15	ND		8.7	8.7
156-60-5	trans-1,2-Dichloroethene	96.94	ND		9.5	9.5
110-54-3	n-Hexane	86.17	ND		8.5	8.5
75-34-3	1,1-Dichloroethane	98.96	42		9.7	9.7
78-93-3	Methyl Ethyl Ketone	72.11	ND		18	18
156-59-2	cis-1,2-Dichloroethene	96.94	1400		9.5	9.5
540-59-0	1,2-Dichloroethene, Total	96.94	1400		9.5	9.5
67-66-3	Chloroform	119.38	ND		12	12
109-99-9	Tetrahydrofuran	72.11	ND		180	180
71-55-6	1,1,1-Trichloroethane	133.41	ND		13	13
110-82-7	Cyclohexane	84.16	ND		8.3	8.3
56-23-5	Carbon tetrachloride	153.81	ND		15	15
540-84-1	2,2,4-Trimethylpentane	114.23	ND		11	11
71-43-2	Benzene	78.11	ND		7.7	7.7
107-06-2	1,2-Dichloroethane	98.96	ND		9.7	9.7
142-82-5	n-Heptane	100.21	ND		9.8	9.8
79-01-6	Trichloroethene	131.39	1000		13	13

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Client Sample ID: AS Effluent Lab Sample ID: 480-35521-2
 Matrix: Air Lab File ID: bkyj24.d
 Analysis Method: TO-15 Date Collected: 04/01/2013 10:00
 Sample wt/vol: 39 (mL) Date Analyzed: 04/14/2013 09:37
 Soil Aliquot Vol: _____ Dilution Factor: 12
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 54299 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	ND		11	11
123-91-1	1,4-Dioxane	88.11	ND		220	220
75-27-4	Bromodichloromethane	163.83	ND		16	16
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		11	11
108-10-1	methyl isobutyl ketone	100.16	ND		25	25
108-88-3	Toluene	92.14	ND		9.0	9.0
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		11	11
79-00-5	1,1,2-Trichloroethane	133.41	ND		13	13
127-18-4	Tetrachloroethene	165.83	ND		16	16
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		25	25
124-48-1	Dibromochloromethane	208.29	ND		20	20
106-93-4	1,2-Dibromoethane	187.87	ND		18	18
108-90-7	Chlorobenzene	112.30	ND		11	11
100-41-4	Ethylbenzene	106.17	ND		10	10
179601-23-1	m,p-Xylene	106.17	ND		26	26
95-47-6	Xylene, o-	106.17	ND		10	10
1330-20-7	Xylene (total)	106.17	ND		10	10
100-42-5	Styrene	104.15	ND		10	10
75-25-2	Bromoform	252.75	ND		25	25
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		16	16
622-96-8	4-Ethyltoluene	120.20	ND		12	12
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		12	12
95-49-8	2-Chlorotoluene	126.59	ND		12	12
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		12	12
541-73-1	1,3-Dichlorobenzene	147.00	ND		14	14
106-46-7	1,4-Dichlorobenzene	147.00	ND		14	14
95-50-1	1,2-Dichlorobenzene	147.00	ND		14	14
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		45	45
87-68-3	Hexachlorobutadiene	260.76	ND		26	26

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 480-35521-2
Client Smp ID: AS Effluent
Inj Date : 14-APR-2013 09:37
Operator : pad
Smp Info : 480-35521-A-2
Misc Info : 39,12, to15all cdf2.34
Comment :
Method : /chem/B.i/Bsvr.p/bkyjto15.b/to15v5.m
Meth Date : 13-Apr-2013 16:01 pd
Cal Date : 03-APR-2013 16:04
Als bottle: 4
Dil Factor: 12.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: B.i
Quant Type: ISTD
Cal File: bky03.d
Compound Sublist: T015all.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	12.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	39.00000	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							
4 1,2-Dichloro-1,1,2,2-tetraflu	85							
5 Chloromethane	50							
7 Vinyl chloride	62		3.478	3.478	(0.382)	10718	0.34921	4.2
8 1,3-Butadiene	54							
9 Bromomethane	94							
10 Chloroethane	64		4.262	4.257	(0.468)	47631	1.92746	23
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		6.039	5.938	(0.664)	13985	0.25569	3.1(a)
21 Carbon disulfide	76							
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	6.712	6.701	(0.738)	2872	0.06288	0.75(a)
26 Tert-butyl alcohol	59		Compound Not Detected.				
27 Methyl tert-butyl ether	73		Compound Not Detected.				
28 1,2-Dichloroethene (trans)	61	7.123	7.101	(0.783)	3663	0.05388	0.65(a)
30 n-Hexane	57	7.443	7.432	(0.818)	2023	0.02711	0.33(aQ)
31 1,1-Dichloroethane	63	7.832	7.833	(0.861)	75022	0.87228	10
M 33 1,2-Dichloroethene, Total	61				1786484	29.1303	350
34 1,2-Dichloroethene (cis)	96	8.729	8.734	(0.960)	1782821	29.0765	350
36 Methyl Ethyl Ketone	72		Compound Not Detected.				
* 37 Bromochloromethane	128	9.097	9.097	(1.000)	650713	10.0000	
38 Tetrahydrofuran	42	9.268	9.135	(0.882)	4405	0.10217	1.2(a)
39 Chloroform	83		Compound Not Detected.				
40 Cyclohexane	84		Compound Not Detected.				
41 1,1,1-Trichloroethane	97	9.423	9.423	(0.896)	11141	0.10280	1.2(a)
42 Carbon tetrachloride	117		Compound Not Detected.				
43 2,2,4-Trimethylpentane	57		Compound Not Detected.				
44 Benzene	78	9.967	9.951	(0.948)	7438	0.04229	0.51(a)
45 1,2-Dichloroethane	62		Compound Not Detected.				
46 n-Heptane	43		Compound Not Detected.				
* 47 1,4-Difluorobenzene	114	10.512	10.512	(1.000)	3094199	10.0000	
49 Trichloroethene	95	10.869	10.875	(1.034)	1235385	15.5832	190
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	12.705	12.657	(0.868)	2561	0.01940	0.23(aQ)
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	14.642	14.648	(1.000)	2722027	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.				

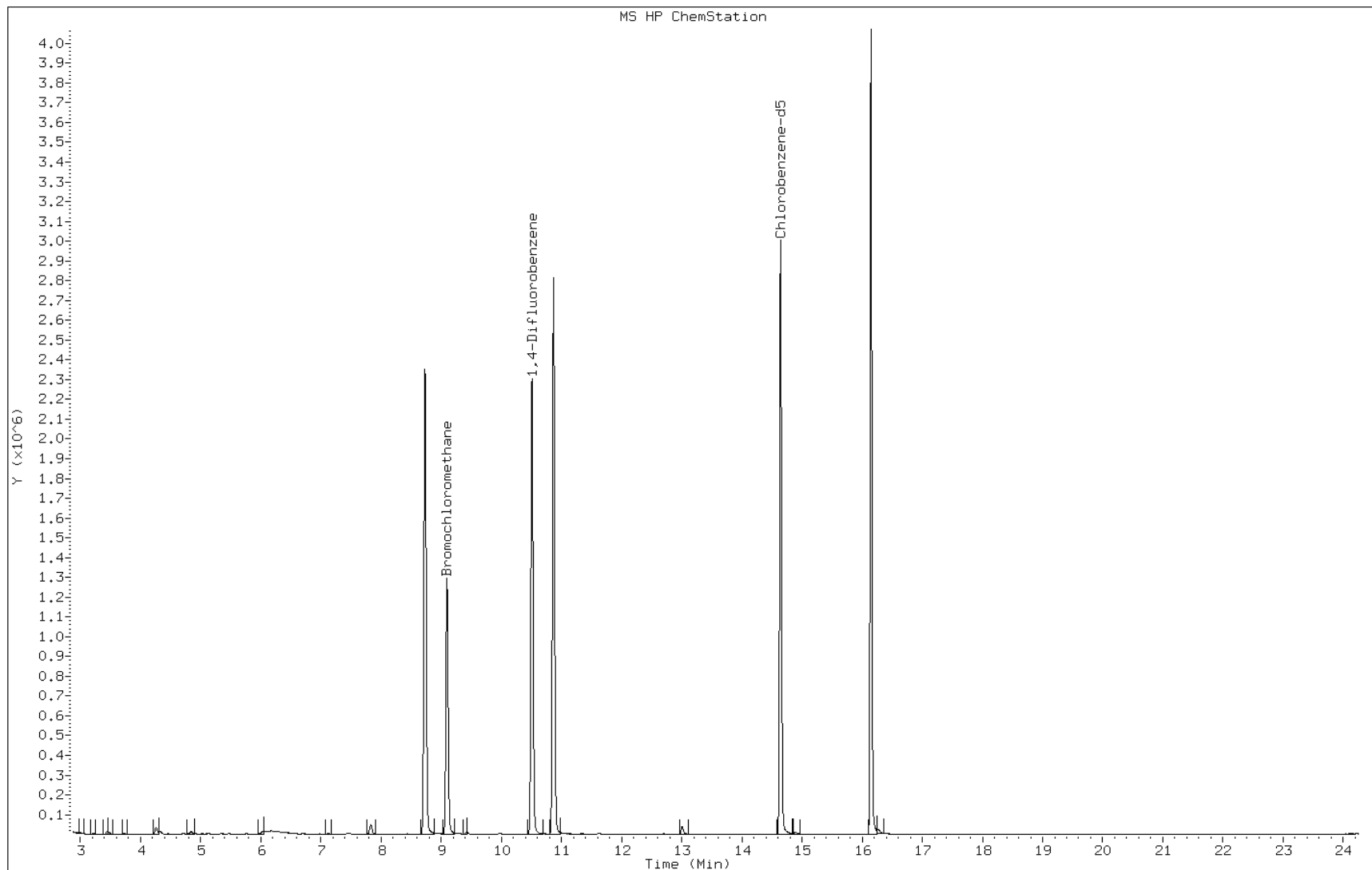
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound 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: bkyj24.d
Client ID: AS Effluent
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 480-35521-A-2
Lab Sample ID: 480-35521-2

Date: 14-APR-2013 09:37
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



Data File: bkyj24.d

Lab Sample ID: 480-35521-2

Date: 14-APR-2013 09:37

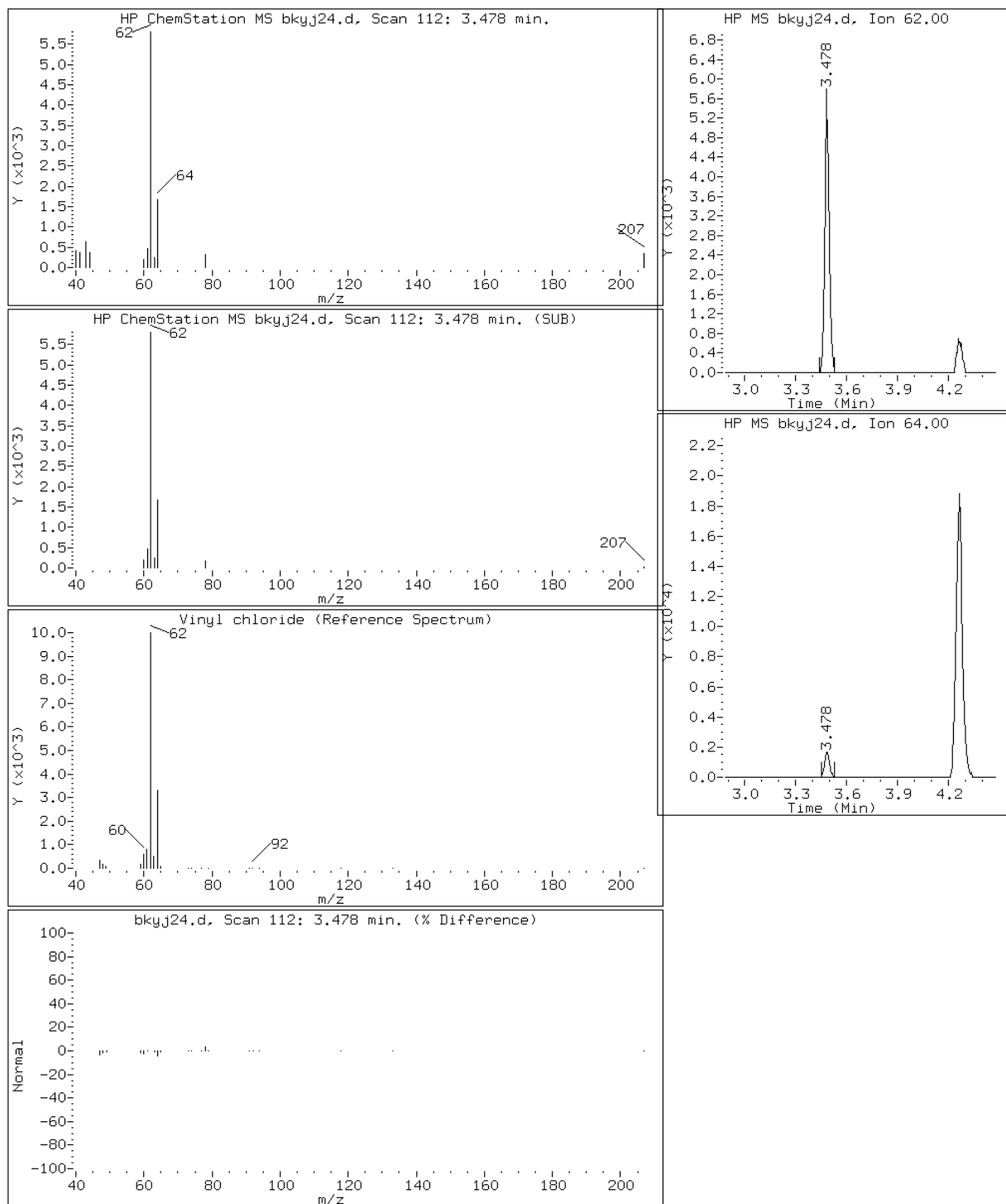
Client ID: AS Effluent

Instrument: B.i

Sample Info: 480-35521-A-2

Operator: pad

7 Vinyl chloride



Data File: bkyj24.d

Lab Sample ID: 480-35521-2

Date: 14-APR-2013 09:37

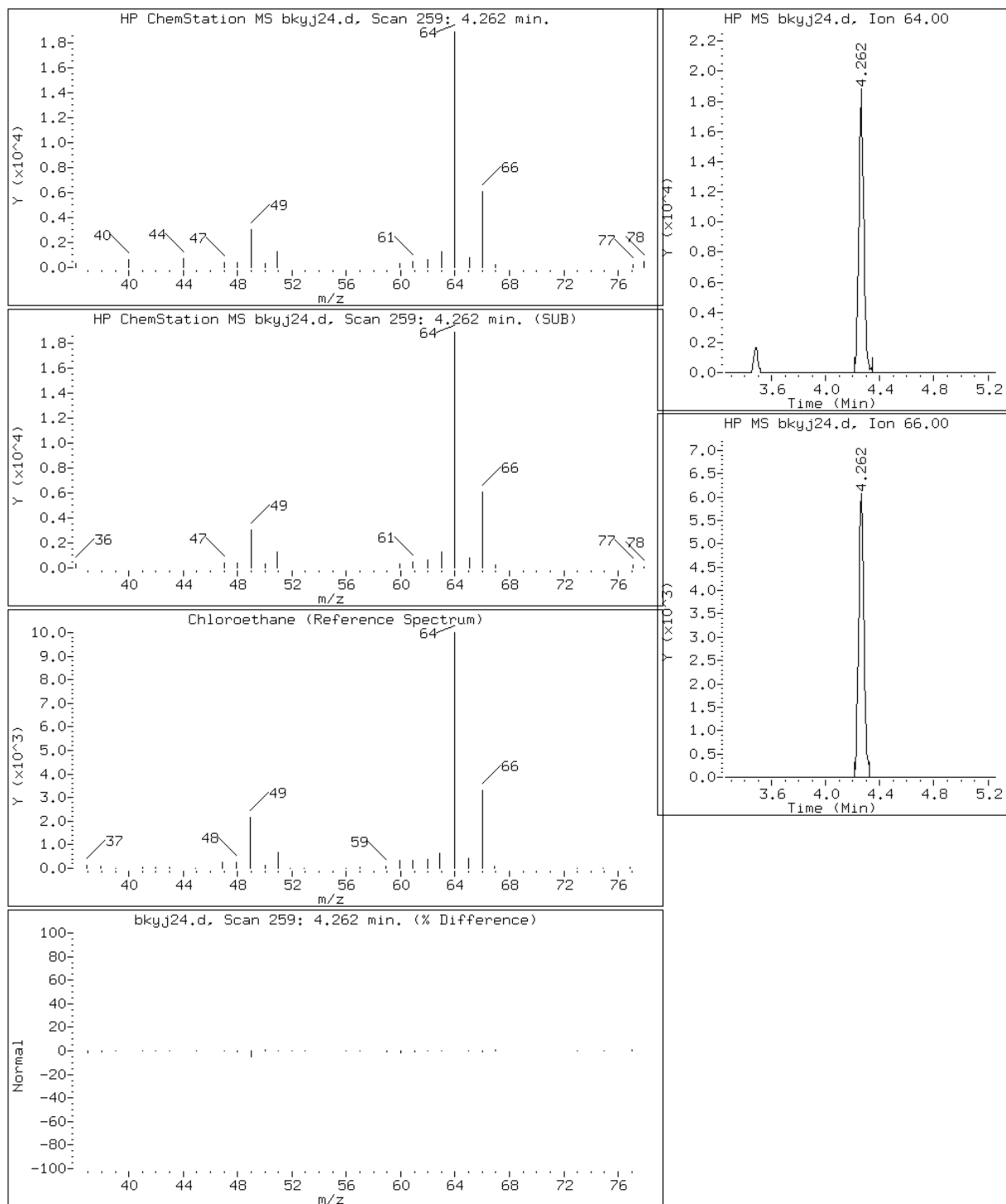
Client ID: AS Effluent

Instrument: B.i

Sample Info: 480-35521-A-2

Operator: pad

10 Chloroethane



Data File: bkyj24.d

Lab Sample ID: 480-35521-2

Date: 14-APR-2013 09:37

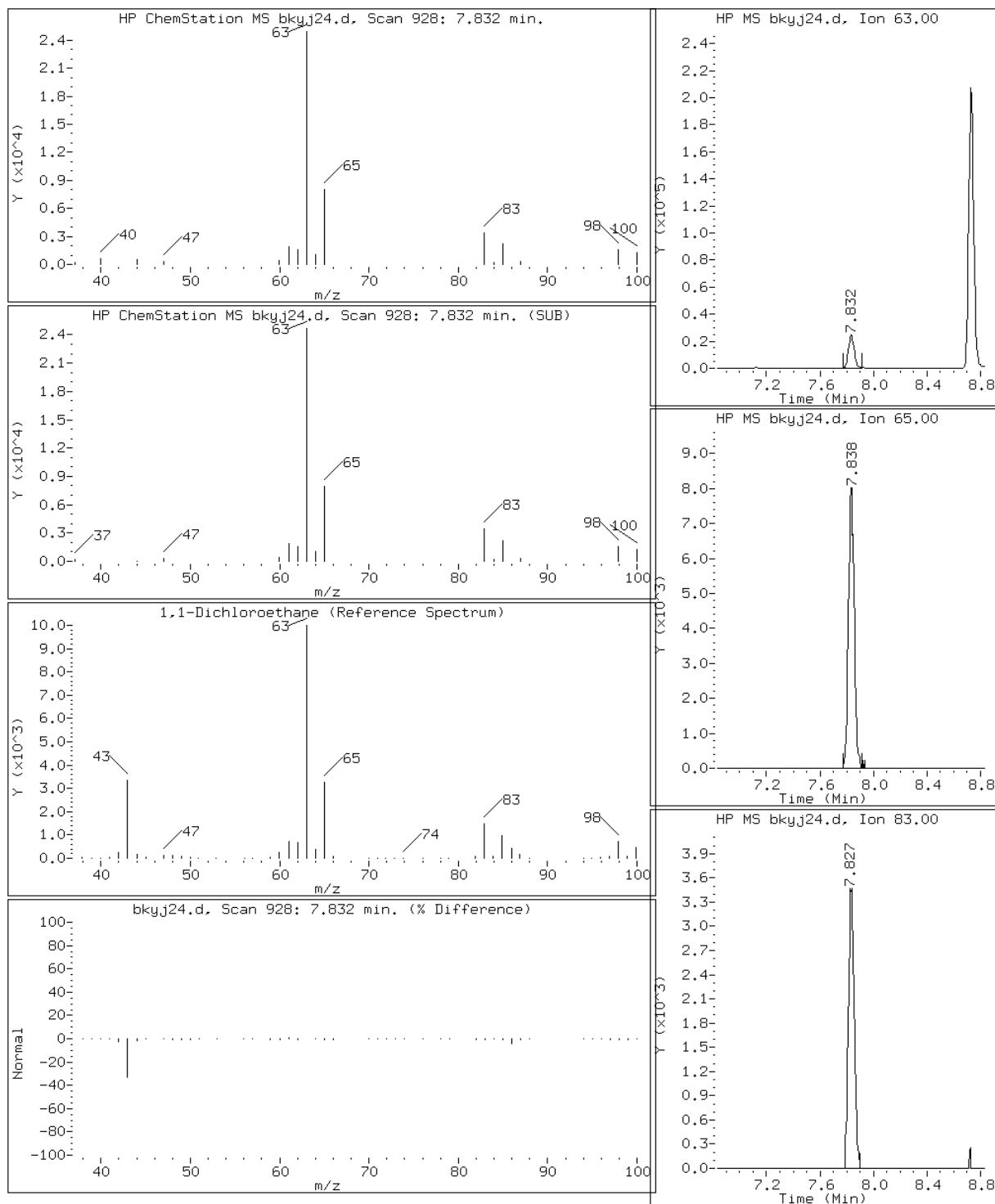
Client ID: AS Effluent

Instrument: B.i

Sample Info: 480-35521-A-2

Operator: pad

31 1,1-Dichloroethane



Data File: bkyj24.d

Lab Sample ID: 480-35521-2

Date: 14-APR-2013 09:37

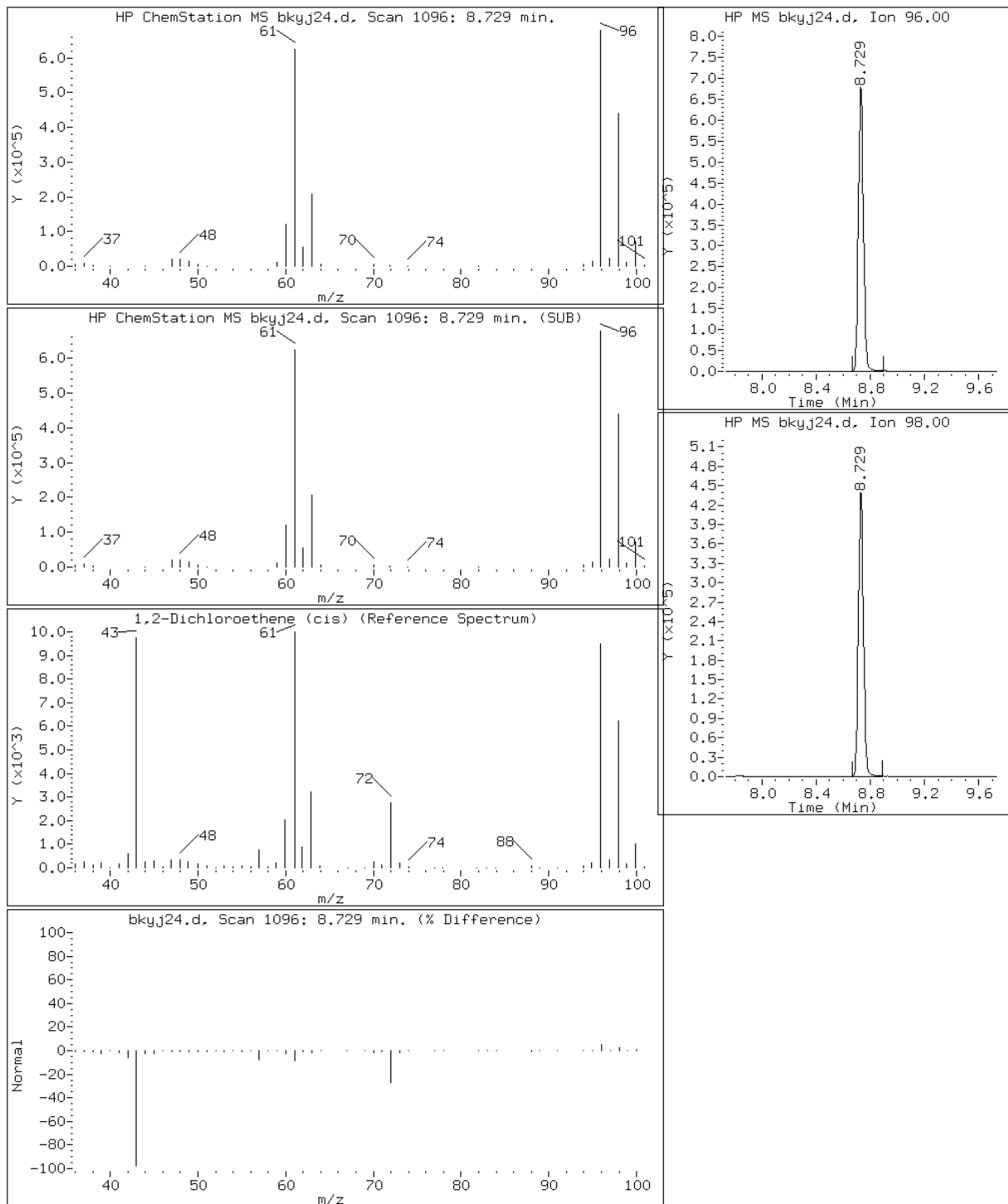
Client ID: AS Effluent

Instrument: B.i

Sample Info: 480-35521-A-2

Operator: pad

34 1,2-Dichloroethene (cis)



Data File: bkyj24.d

Lab Sample ID: 480-35521-2

Date: 14-APR-2013 09:37

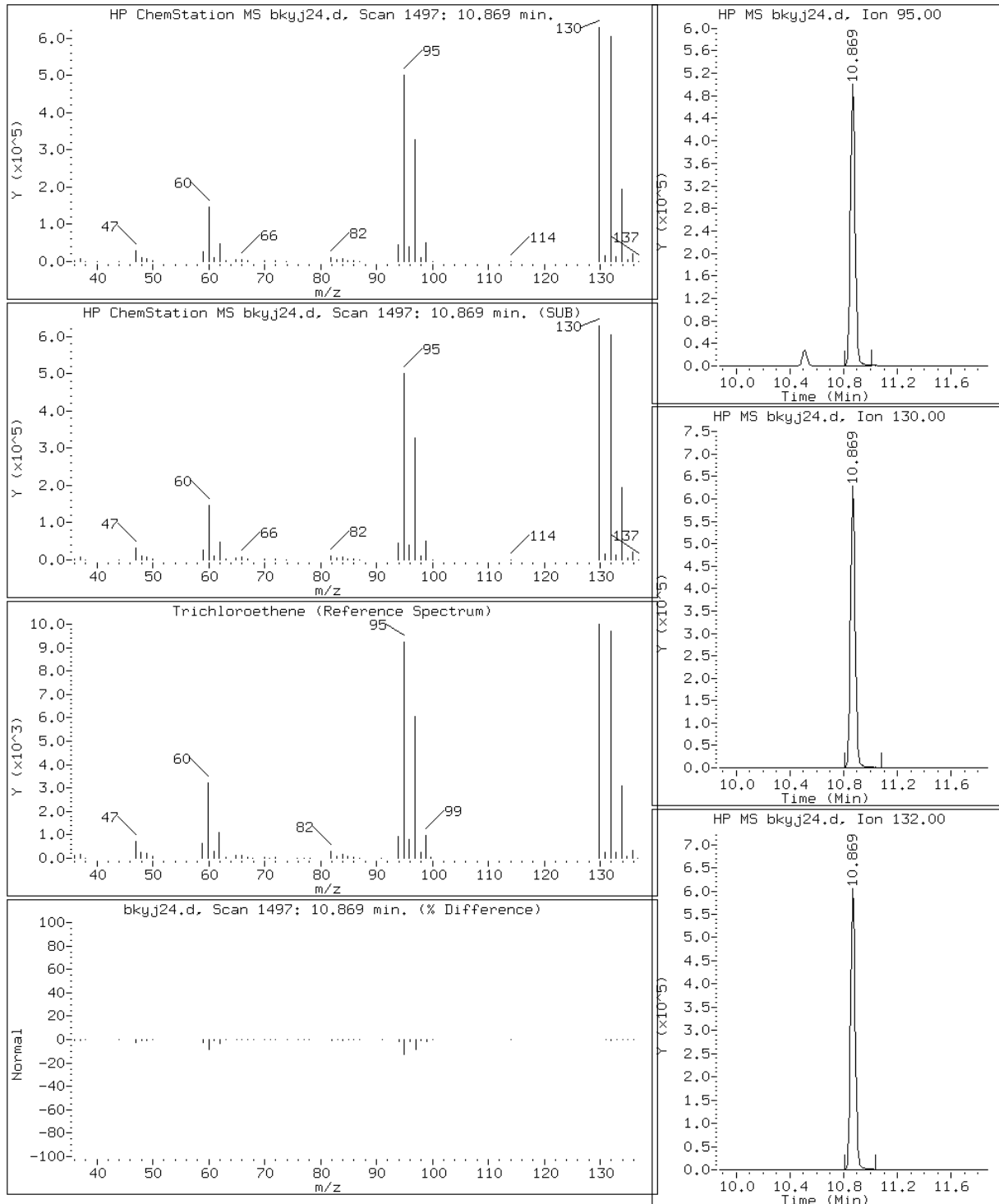
Client ID: AS Effluent

Instrument: B.i

Sample Info: 480-35521-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.: 480-35521-1 Analy Batch No.: 53873

SDG No.: _____

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2013 16:04 Calibration End Date: 04/03/2013 22:10 Calibration ID: 20950

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-53873/3	bky03.d
Level 2	IC 200-53873/4	bky04.d
Level 3	IC 200-53873/5	bky05.d
Level 4	IC 200-53873/6	bky06.d
Level 5	ICIS 200-53873/7	bky07.d
Level 6	IC 200-53873/8	bky08.d
Level 7	IC 200-53873/9	bky09.d
Level 8	IC 200-53873/10	bky10.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	++++ 0.1836	++++ 0.1663	0.3025 0.1367	0.2367	0.2071	Ave		0.2055				28.5		30.0			
Dichlorodifluoromethane	++++ 1.5212	++++ 1.3955	1.8395 1.1517	1.8734	1.6797	Ave		1.5769				17.6		30.0			
Freon 22	++++ 0.5256	++++ 0.4753	0.6768 0.3959	0.6642	0.5965	Ave		0.5557				19.9		30.0			
1,2-Dichlorotetrafluoroethane	++++ 1.5494	1.7391 1.4056	1.9517 1.1279	1.9456	1.7446	Ave		1.6377				18.3		30.0			
Chloromethane	++++ 0.2921	++++ 0.2681	0.4121 0.2232	0.3770	0.3348	Ave		0.3179				22.1		30.0			
n-Butane	++++ 0.4726	++++ 0.4298	0.6579 0.3455	0.6072	0.5463	Ave		0.5099				22.8		30.0			
Vinyl chloride	0.4383 0.4637	0.4803 0.4151	0.5479 0.3419	0.5734	0.5129	Ave		0.4717				15.9		30.0			
1,3-Butadiene	++++ 0.3118	0.2931 0.2826	0.3480 0.2342	0.3883	0.3468	Ave		0.3150				16.2		30.0			
Bromomethane	++++ 0.8156	0.8980 0.7733	0.9569 0.6601	0.9531	0.8793	Ave		0.8480				12.6		30.0			
Chloroethane	++++ 0.3665	++++ 0.3481	0.4419 0.2992	0.4284	0.3944	Ave		0.3798				14.0		30.0			
Isopentane	++++ 0.6160	0.7190 0.5782	0.7617 0.4830	0.7524	0.6794	Ave		0.6557				15.6		30.0			
Bromoethene (Vinyl Bromide)	++++ 0.9588	1.0251 0.9498	1.0372 0.8615	1.0268	0.9836	Ave		0.9775				6.3		30.0			
Trichlorofluoromethane	++++ 2.0433	2.2163 2.0048	2.3431 1.8112	2.2543	2.1209	Ave		2.1134				8.4		30.0			
n-Pentane	++++ 1.0318	++++ 0.9768	1.3035 0.8315	1.2152	1.1239	Ave		1.0805				15.8		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.: 480-35521-1 Analy Batch No.: 53873

SDG No.: _____

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2013 16:04 Calibration End Date: 04/03/2013 22:10 Calibration ID: 20950

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								
Ethanol	+++++ 0.2234	+++++ 0.2401	0.2474 0.2084	0.1929	0.2434	Ave		0.2259				9.6		30.0			
Ethyl ether	+++++ 0.5183	0.4761 0.5131	0.5516 0.4652	0.5503	0.5340	Ave		0.5155				6.6		30.0			
Acrolein	+++++ 0.2832	+++++ 0.2748	+++++ 0.2509	0.2985	0.2919	Ave		0.2799				6.6		30.0			
Freon TF	+++++ 1.6866	1.7990 1.7071	1.8150 1.5790	1.7620	1.6880	Ave		1.7195				4.7		30.0			
1,1-Dichloroethene	+++++ 0.8237	0.8341 0.8363	0.8581 0.7757	0.8433	0.8218	Ave		0.8276				3.1		30.0			
Acetone	+++++ 0.7916	+++++ 0.7580	+++++ 0.6729	1.0267	0.9535	Ave		0.8405				17.3		30.0			
Carbon disulfide	+++++ 2.3699	+++++ 2.3856	2.5427 2.1702	2.5149	2.4079	Ave		2.3985				5.5		30.0			
Isopropyl alcohol	+++++ 0.6931	+++++ 0.6881	+++++ 0.6002	0.7681	0.7396	Ave		0.6978				9.2		30.0			
3-Chloropropene	+++++ 0.6675	0.7064 0.6534	0.6924 0.5815	0.7278	0.6911	Ave		0.6743				7.1		30.0			
Acetonitrile	+++++ 0.4769	+++++ 0.4534	+++++ 0.4068	0.5406	0.5006	Ave		0.4756				10.6		30.0			
Methylene Chloride	+++++ 0.6593	+++++ 0.6410	0.9064 0.5599	0.7488	0.6961	Ave		0.7019				16.8		30.0			
tert-Butyl alcohol	+++++ 1.1437	+++++ 1.1503	+++++ 1.0266	1.2156	1.1786	Ave		1.1430				6.2		30.0			
Methyl tert-butyl ether	+++++ 2.1210	1.8927 2.1088	2.0190 1.9409	2.2027	2.1461	Ave		2.0616				5.5		30.0			
trans-1,2-Dichloroethene	+++++ 1.0418	1.0572 1.0220	1.0853 0.9012	1.1287	1.0770	Ave		1.0447				6.9		30.0			
Acrylonitrile	+++++ 0.4980	+++++ 0.4806	0.4668 0.4487	0.5212	0.5102	Ave		0.4876				5.6		30.0			
n-Hexane	+++++ 1.1574	1.1204 1.1371	1.1842 1.0042	1.2338	1.1890	Ave		1.1466				6.4		30.0			
1,1-Dichloroethane	1.4052 1.3035	1.2997 1.2846	1.3875 1.1516	1.3961	1.3455	Ave		1.3217				6.3		30.0			
Vinyl acetate	+++++ 1.4655	+++++ 1.4090	+++++ 1.2513	1.5170	1.5126	Ave		1.4311				7.7		30.0			
cis-1,2-Dichloroethene	+++++ 0.9660	0.9240 0.9758	0.9033 0.9010	0.9703	0.9554	Ave		0.9423				3.4		30.0			
Methyl Ethyl Ketone	+++++ 0.4209	+++++ 0.4142	0.5535 0.3729	0.4318	0.4290	Ave		0.4370				13.9		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.: 480-35521-1 Analy Batch No.: 53873

SDG No.: _____

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2013 16:04 Calibration End Date: 04/03/2013 22:10 Calibration ID: 20950

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								
Ethyl acetate	+++++ 0.0802	+++++ 0.0812	+++++ 0.0755	0.0784	0.0795	Ave		0.0790				2.8		30.0			
Tetrahydrofuran	+++++ 0.1408	+++++ 0.1357	+++++ 0.1215	0.1516	0.1471	Ave		0.1393				8.4		30.0			
Chloroform	+++++ 1.5941	1.6365 1.5924	1.6831 1.4578	1.6922	1.6188	Ave		1.6107				4.8		30.0			
1,1,1-Trichloroethane	+++++ 0.3565	0.3488 0.3641	0.3315 0.3422	0.3520	0.3569	Ave		0.3503				3.1		30.0			
Cyclohexane	+++++ 0.2744	0.2439 0.2783	0.2458 0.2535	0.2719	0.2748	Ave		0.2632				5.7		30.0			
Carbon tetrachloride	0.4021 0.3855	0.3759 0.3968	0.3625 0.3816	0.3766	0.3809	Ave		0.3827				3.2		30.0			
2,2,4-Trimethylpentane	+++++ 0.7666	0.6680 0.7541	0.7007 0.6547	0.7972	0.7873	Ave		0.7327				7.9		30.0			
Benzene	+++++ 0.5691	0.5680 0.5754	0.5898 0.5194	0.5777	0.5792	Ave		0.5684				4.0		30.0			
1,2-Dichloroethane	+++++ 0.1807	0.1725 0.1803	0.1807 0.1653	0.1937	0.1893	Ave		0.1804				5.3		30.0			
n-Heptane	+++++ 0.2333	0.2254 0.2264	0.2275 0.1947	0.2528	0.2456	Ave		0.2294				8.1		30.0			
n-Butanol	+++++ 0.0785	+++++ 0.0826	+++++ 0.0771	0.0666	0.0726	Ave		0.0755				8.1		30.0			
Trichloroethene	0.2862 0.2567	0.2422 0.2629	0.2449 0.2451	0.2544	0.2572	Ave		0.2562				5.5		30.0			
1,2-Dichloropropane	+++++ 0.1898	0.1952 0.1878	0.1836 0.1696	0.1941	0.1928	Ave		0.1875				4.7		30.0			
Methyl methacrylate	+++++ 0.1935	+++++ 0.1936	0.1313 0.1808	0.1874	0.1947	Ave		0.1802				13.6		30.0			
1,4-Dioxane	+++++ 0.0958	+++++ 0.0971	+++++ 0.0865	0.0962	0.1008	Ave		0.0953				5.5		30.0			
Dibromomethane	+++++ 0.2784	0.2427 0.2960	0.2319 0.3040	0.2483	0.2616	Ave		0.2661				10.3		30.0			
Bromodichloromethane	+++++ 0.3793	0.3411 0.3806	0.3416 0.3558	0.3832	0.3824	Ave		0.3663				5.3		30.0			
cis-1,3-Dichloropropene	+++++ 0.3074	0.2294 0.3078	0.2409 0.2896	0.3008	0.3073	Ave		0.2833				11.9		30.0			
methyl isobutyl ketone	+++++ 0.2831	+++++ 0.2770	0.2011 0.2465	0.2960	0.2952	Ave		0.2665				13.8		30.0			
Toluene	+++++ 0.4992	0.4468 0.5264	0.5045 0.4454	0.4769	0.4951	Ave		0.4849				6.2		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.: 480-35521-1 Analy Batch No.: 53873

SDG No.: _____

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2013 16:04 Calibration End Date: 04/03/2013 22:10 Calibration ID: 20950

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								
n-Octane	++++ 0.3204	0.2958 0.2996	0.3205 0.2285	0.3594	0.3494	Ave		0.3105				13.9		30.0			
trans-1,3-Dichloropropene	++++ 0.3074	0.2491 0.3044	0.2433 0.2910	0.2994	0.3078	Ave		0.2860				9.7		30.0			
1,1,2-Trichloroethane	++++ 0.2230	0.2215 0.2361	0.2312 0.2101	0.2227	0.2253	Ave		0.2243				3.6		30.0			
Tetrachloroethene	0.4451 0.4667	0.4146 0.5268	0.4426 0.5169	0.4117	0.4390	Ave		0.4579				9.4		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.2826	++++ 0.2894	0.2173 0.2580	0.2829	0.2928	Ave		0.2705				10.6		30.0			
Dibromochloromethane	++++ 0.5117	0.4180 0.5572	0.4579 0.5276	0.4751	0.4959	Ave		0.4919				9.4		30.0			
1,2-Dibromoethane	++++ 0.4520	0.3976 0.4791	0.4281 0.4469	0.4267	0.4449	Ave		0.4393				5.8		30.0			
Chlorobenzene	++++ 0.7165	0.7150 0.7606	0.7661 0.7114	0.6912	0.7080	Ave		0.7241				3.9		30.0			
Ethylbenzene	++++ 1.0404	0.9715 1.0947	1.0672 0.9732	1.0114	1.0354	Ave		1.0277				4.5		30.0			
n-Nonane	++++ 0.3983	0.3797 0.4017	0.4329 0.3249	0.4205	0.4178	Ave		0.3965				9.1		30.0			
m,p-Xylene	++++ 0.4809	0.4012 0.5000	0.4641 0.4133	0.4519	0.4752	Ave		0.4552				7.9		30.0			
Xylene, o-	++++ 0.4511	0.3351 0.4788	0.3965 0.4271	0.4247	0.4442	Ave		0.4225				10.9		30.0			
Styrene	++++ 0.7065	0.4283 0.7395	0.5498 0.6717	0.6350	0.6757	Ave		0.6295				17.0		30.0			
Bromoform	++++ 0.5677	0.3735 0.6276	0.4277 0.6016	0.4833	0.5322	Ave		0.5162				18.0		30.0			
Cumene	++++ 1.2395	0.9755 1.3212	1.1512 1.1496	1.1743	1.2246	Ave		1.1766				9.1		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.6020	0.5599 0.6170	0.6393 0.5242	0.6019	0.6144	Ave		0.5941				6.6		30.0			
n-Propylbenzene	++++ 1.4684	1.2097 1.4697	1.3740 1.1309	1.4209	1.4869	Ave		1.3658				10.3		30.0			
1,2,3-Trichloropropane	++++ 0.4279	++++ 0.4230	0.4820 0.3237	0.4410	0.4479	Ave		0.4242				12.6		30.0			
n-Decane	++++ 0.4987	++++ 0.4807	0.5024 0.3651	0.5531	0.5388	Ave		0.4898				13.6		30.0			
4-Ethyltoluene	++++ 1.3295	1.0476 1.3652	1.2282 1.1253	1.2352	1.3075	Ave		1.2341				9.3		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.: 480-35521-1 Analy Batch No.: 53873

SDG No.: _____

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2013 16:04 Calibration End Date: 04/03/2013 22:10 Calibration ID: 20950

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	++++ 1.0798	1.0024 1.1091	1.1530 0.9526	1.0498	1.0950	Ave		1.0631				6.4		30.0			
1,3,5-Trimethylbenzene	++++ 1.0404	0.9219 1.0865	1.0565 0.9466	0.9773	1.0492	Ave		1.0112				6.2		30.0			
Alpha Methyl Styrene	++++ 0.5958	0.2999 0.6200	0.4148 0.5864	0.4412	0.4740	Ave		0.4903				23.8		30.0			
tert-Butylbenzene	++++ 1.0275	0.8311 1.0886	0.9839 0.9774	0.9745	1.0334	Ave		0.9881				8.1		30.0			
1,2,4-Trimethylbenzene	++++ 1.0451	0.7958 1.0779	0.9867 0.9611	1.0133	1.0551	Ave		0.9907				9.6		30.0			
sec-Butylbenzene	++++ 1.5543	1.2724 1.6050	1.5777 1.3452	1.5090	1.5644	Ave		1.4897				8.6		30.0			
4-Isopropyltoluene	++++ 1.3505	0.9688 1.4246	1.1909 1.2222	1.2599	1.3296	Ave		1.2495				11.8		30.0			
1,3-Dichlorobenzene	++++ 0.8128	0.6705 0.8558	0.7729 0.8251	0.7444	0.8030	Ave		0.7835				7.8		30.0			
1,4-Dichlorobenzene	++++ 0.8237	0.6574 0.8609	0.7177 0.8344	0.7501	0.8146	Ave		0.7798				9.4		30.0			
Benzyl chloride	++++ 0.8338	0.5764 0.8537	0.7452 0.8248	0.7980	0.8392	Ave		0.7816				12.5		30.0			
n-Undecane	++++ 0.4918	++++ 0.4237	++++ 0.2910	0.5716	0.5548	Ave		0.4666				24.5		30.0			
n-Butylbenzene	++++ 1.1373	0.8785 1.1016	1.0572 0.8124	1.1573	1.1803	Ave		1.0464				13.8		30.0			
1,2-Dichlorobenzene	++++ 0.7591	0.6477 0.8011	0.7485 0.7865	0.7070	0.7593	Ave		0.7442				7.0		30.0			
n-Dodecane	++++ 0.3462	++++ 0.2375	++++ 0.1769	0.3322	0.3734	Ave		0.2932				28.2		30.0			
1,2,4-Trichlorobenzene	++++ 0.5419	++++ 0.5376	0.3694 0.4705	0.4529	0.5390	Ave		0.4852				14.1		30.0			
Hexachlorobutadiene	++++ 0.4685	0.3749 0.5004	0.4629 0.3873	0.4099	0.4468	Ave		0.4358				10.6		30.0			
Naphthalene	++++ 1.0706	++++ 0.9681	0.5692 0.8481	0.9371	1.0952	Ave		0.9147				21.0		30.0			
1,2,3-Trichlorobenzene	++++ 0.4466	0.1315 0.4319	0.3141 0.3066	0.3870	0.4586	Ave		0.3538				32.6	*	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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 480-35521-1 Analy Batch No.: 53873

SDG No.: _____

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2013 16:04 Calibration End Date: 04/03/2013 22:10 Calibration ID: 20950

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-53873/3	bky03.d
Level 2	IC 200-53873/4	bky04.d
Level 3	IC 200-53873/5	bky05.d
Level 4	IC 200-53873/6	bky06.d
Level 5	ICIS 200-53873/7	bky07.d
Level 6	IC 200-53873/8	bky08.d
Level 7	IC 200-53873/9	bky09.d
Level 8	IC 200-53873/10	bky10.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	++++ 185068	++++ 241309	7926 440370	63800	122610	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	++++ 1533703	++++ 2024830	48195 3709680	504902	994457	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	++++ 529955	++++ 689678	17733 1275197	179003	353119	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1562156	++++ 2039470	51135 3632919	524374	1032833	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	++++ 294462	++++ 388960	10797 718880	101614	198187	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	++++ 476521	++++ 623564	17238 1112752	163635	323422	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	1154 467475	5880 602216	14354 1101319	154535	303638	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	++++ 314409	3589 409976	9118 754489	104664	205305	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	++++ 822336	10994 1122019	25071 2126191	256860	520583	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	++++ 369554	++++ 505110	11579 963583	115463	233494	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	++++ 621086	8803 838908	19956 1555801	202774	402200	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 966709	12550 1378142	27174 2774936	276735	582292	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	++++ 2060086	27134 2908777	61389 5833669	607562	1255666	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Pentane	BCM	Ave	++++ 1040291	++++ 1417267	34151 2678065	327521	665401	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Ethanol	BCM	Ave	++++ 300332	++++ 696616	64819 1677848	103971	216112	++++ 20.0	++++ 40.0	5.00 100	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 480-35521-1 Analy Batch No.: 53873

SDG No.: _____

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2013 16:04 Calibration End Date: 04/03/2013 22:10 Calibration ID: 20950

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
Ethyl ether	BCM	Ave	++++ 522525	5829 744428	14452 1498304	148305	316144	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	++++ 285533	++++ 398773	++++ 808281	80437	172824	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Freon TF	BCM	Ave	++++ 1700454	22025 2476881	47554 5085700	474884	999366	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	++++ 830518	10212 1213440	22481 2498365	227290	486523	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	++++ 798081	++++ 1099800	++++ 2167423	276697	564503	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Carbon disulfide	BCM	Ave	++++ 2389344	++++ 3461262	66619 6990148	677785	1425572	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	++++ 698768	++++ 998414	++++ 1933083	207018	437882	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
3-Chloropropene	BCM	Ave	++++ 673022	8648 948107	18141 1872894	196162	409157	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	++++ 480852	++++ 657802	++++ 1310275	145692	296353	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Methylene Chloride	BCM	Ave	++++ 664705	++++ 930101	23749 1803241	201810	412108	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	++++ 1153071	++++ 1668977	++++ 3306714	327621	697766	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	++++ 2138418	23172 3059786	52898 6251395	593657	1270550	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	++++ 1050341	12943 1482821	28435 2902654	304185	637618	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	++++ 502086	++++ 697331	12231 1445278	140464	302041	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Hexane	BCM	Ave	++++ 1166941	13717 1649842	31026 3234471	332532	703907	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	3700 1314199	15912 1863888	36352 3709353	376261	796567	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	++++ 1477578	++++ 2044327	++++ 4030256	408850	895510	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	++++ 973963	11313 1415863	23666 2902175	261519	565603	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	++++ 424393	++++ 600923	14502 1200958	116380	253977	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	++++ 80892	++++ 117763	++++ 243159	21124	47086	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Tetrahydrofuran	DFB	Ave	++++ 671400	++++ 918148	++++ 1794935	198198	412432	++++ 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.: 480-35521-1 Analy Batch No.: 53873

SDG No.: _____

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2013 16:04 Calibration End Date: 04/03/2013 22:10 Calibration ID: 20950

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
Chloroform	BCM	Ave	++++ 1607163	20036 2310390	44097 4695294	456055	958384	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	++++ 1700384	20523 2464152	42883 5054129	460144	1000515	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	++++ 1309003	14353 1883966	31803 3743307	355391	770486	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	5062 1839050	22121 2685422	46899 5636532	492314	1067726	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	++++ 3656934	39307 5103882	90650 9669379	1042228	2207136	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	++++ 2714467	33425 3894478	76310 7671419	755263	1623606	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	++++ 861859	10151 1220091	23383 2440850	253189	530805	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	++++ 1112939	13266 1532168	29439 2876237	330423	688527	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	++++ 374634	++++ 559040	++++ 1138130	87066	203639	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Trichloroethene	DFB	Ave	3603 1224443	14254 1779099	31690 3619994	332563	721076	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	++++ 905405	11486 1270890	23748 2504540	253691	540346	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	++++ 922783	++++ 1310096	16982 2670036	244936	545843	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	++++ 457044	++++ 657374	++++ 1277974	125728	282645	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Dibromomethane	DFB	Ave	++++ 1327966	14279 2003673	29999 4489240	324537	733373	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	++++ 1809267	20069 2575991	44201 5255389	500928	1071861	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	++++ 1466388	13497 2083055	31164 4276490	393188	861428	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
methyl isobutyl ketone	DFB	Ave	++++ 1350592	++++ 1874951	26018 3641005	386927	827465	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	++++ 2246297	23658 3193880	53543 6069824	592636	1315209	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	++++ 1528568	17405 2027531	41471 3374319	469786	979487	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	++++ 1466180	14660 2060105	31477 4297311	391428	862772	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	++++ 1003414	11726 1432436	24541 2863886	276757	598342	++++ 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.: 480-35521-1 Analy Batch No.: 53873

SDG No.: _____

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2013 16:04 Calibration End Date: 04/03/2013 22:10 Calibration ID: 20950

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	5044 2100194	21953 3196504	46972 7045373	511621	1166048	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 1271585	++++ 1756126	23065 3516599	351575	777710	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	++++ 2302610	22129 3381109	48597 7190927	590393	1317151	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	++++ 2034099	21048 2906857	45431 6090844	530227	1181657	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	++++ 3224158	37856 4615059	81298 9695784	858908	1880756	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	++++ 4682003	51433 6642216	113262 13264377	1256820	2750394	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	++++ 1792475	20104 2437217	45938 4427833	522556	1109682	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m,p-Xylene	CBZ	Ave	++++ 4327768	42478 6067411	98501 11264934	1123092	2524431	++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
Xylene, o-	CBZ	Ave	++++ 2029958	17743 2905273	42084 5820404	527783	1180020	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	++++ 3179375	22674 4487150	58347 9153921	789151	1794744	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	++++ 2554507	19777 3807857	45386 8199579	600568	1413653	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	++++ 5578000	51647 8016179	122175 15668241	1459294	3253000	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	++++ 2708830	29641 3743828	67845 7143794	747974	1631956	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	++++ 6607732	64048 8917165	145814 15412862	1765828	3949492	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	++++ 1925492	++++ 2566368	51148 4411424	548035	1189841	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	++++ 2244191	++++ 2916541	53314 4975998	687355	1431075	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	++++ 5982613	55467 8283527	130343 15336521	1534950	3472957	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	++++ 4859034	53069 6729347	122366 12983510	1304613	2908506	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	++++ 4681612	48808 6592574	112124 12901031	1214444	2786925	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Alpha Methyl Styrene	CBZ	Ave	++++ 2681039	15876 3761932	44023 7992293	548255	1259033	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butylbenzene	CBZ	Ave	++++ 4623863	44002 6605353	104414 13321191	1211017	2745055	++++ 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.: 480-35521-1 Analy Batch No.: 53873

SDG No.: _____

Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2013 16:04 Calibration End Date: 04/03/2013 22:10 Calibration ID: 20950

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
1,2,4-Trimethylbenzene	CBZ	Ave	++++ 4702923	42135 6540332	104717 13098251	1259262	2802515	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	++++ 6994243	67367 9738662	167430 18334270	1875208	4155604	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	++++ 6077428	51290 8643748	126382 16657130	1565753	3531735	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	++++ 3657613	35497 5192876	82024 11245440	925044	2132949	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	++++ 3706584	34803 5223363	76162 11371393	932147	2163721	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	++++ 3752038	30517 5180072	79080 11241362	991663	2229027	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Undecane	CBZ	Ave	++++ 2213046	++++ 2570620	++++ 3966129	710377	1473707	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	++++ 5117858	46510 6683881	112196 11072313	1438207	3135170	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	++++ 3416184	34290 4860737	79436 10719307	878616	2016925	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	++++ 1557703	++++ 1441297	++++ 2410329	412864	991735	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 2438548	++++ 3262151	39204 6412809	562787	1431730	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	++++ 2108231	19847 3036472	49122 5278126	509388	1186787	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	++++ 4817506	++++ 5873695	60412 11559052	1164517	2909089	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	++++ 2009849	6961 2620530	33337 4178624	480992	1218301	++++ 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/B.i/Bsvr.p/bkyto15.b/bky03.d
Lab Smp Id: ic 474964
Inj Date : 03-APR-2013 16:04
Operator : pad
Smp Info : ic 474964
Misc Info : 200,1, level 8
Comment :
Method : /chem/B.i/Bsvr.p/bkyto15.b/to15v5.m
Meth Date : 05-Apr-2013 09:45 jd1
Cal Date : 03-APR-2013 16:04
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: B.i
Quant Type: ISTD
Cal File: bky03.d
Calibration Sample, Level: 8
Compound Sublist: allT015.sub

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						
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	3.488	3.478	(0.383)	1154	0.04000	0.037(a)
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		7.843	7.833	(0.862)			3700	0.04000	0.043(aM)
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		9.097	9.097	(1.000)			658280	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		9.626	9.626	(0.916)			5062	0.04000	0.042(a)
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		10.506	10.512	(1.000)			3146864	10.0000	
48 n-Butanol	56							Compound Not Detected.		
49 Trichloroethene	95		10.890	10.875	(1.037)			3603	0.04000	0.045(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		13.308	13.292	(0.909)			2588	0.00000	0.041(a)
61 Tetrachloroethene	166		13.426	13.420	(0.917)			5044	0.04000	0.039(a)
62 2-Hexanone	43							Compound Not Detected.		

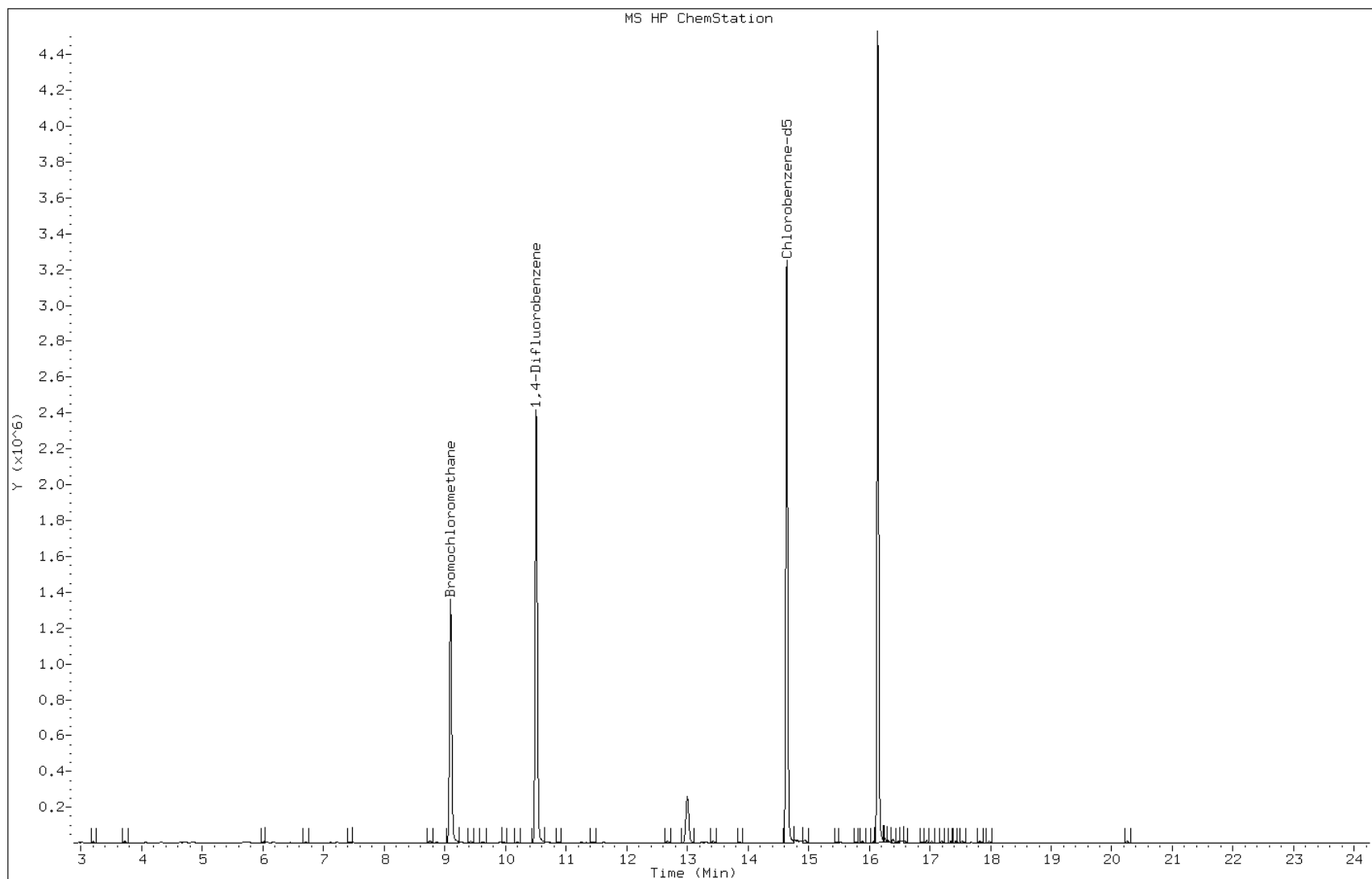
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
63 Dibromochloromethane	129				Compound Not Detected.		
64 1,2-Dibromoethane	107				Compound Not Detected.		
* 65 Chlorobenzene-d5	117	14.642	14.648	(1.000)	2832808	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).
- M - Compound response manually integrated.

Data File: bky03.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 474964
Lab Sample ID: ic 474964

Date: 03-APR-2013 16:04
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



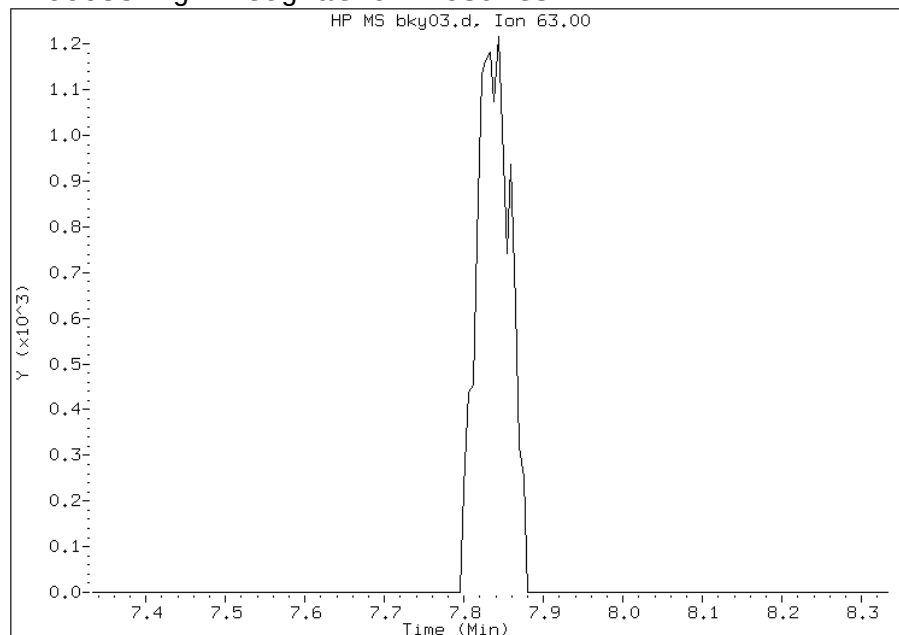
Manual Integration Report

Data File: bky03.d
Lab Sample ID: ic 474964
Inj. Date and Time: 03-APR-2013 16:04
Instrument ID: B.i
Client ID:
Compound: 31 1,1-Dichloroethane
CAS #: 75-34-3
Report Date: 04/05/2013

Not Detected

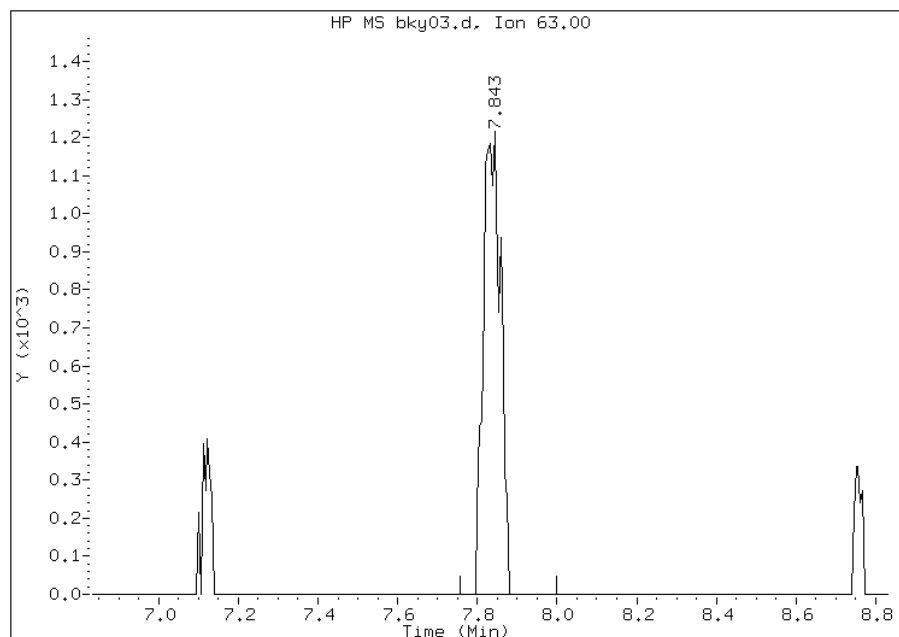
Expected RT: 7.83

Processing Integration Results



Manual Integration Results

RT: 7.84
Response: 3700
Amount: 0.042530
Conc: 0.042530



File Uploaded By: jd1
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkyto15.b/bky04.d
Lab Smp Id: ic 474964
Inj Date : 03-APR-2013 16:56
Operator : pad
Smp Info : ic 474964
Misc Info : 200,1, level 1
Comment :
Method : /chem/B.i/Bsvr.p/bkyto15.b/to15v5.m
Meth Date : 04-Apr-2013 12:51 pd
Cal Date : 03-APR-2013 16:56
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: B.i
Quant Type: ISTD
Cal File: bky04.d
Calibration Sample, Level: 1
Compound Sublist: allT015.sub

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		2.970	2.965 (0.327)		4471	0.20000	0.36(a)
2 Dichlorodifluoromethane	85		3.018	3.013 (0.332)		21463	0.20000	0.22(a)
3 Chlorodifluoromethane	51		3.050	3.045 (0.336)		7766	0.20000	0.23(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85		3.200	3.200 (0.352)		21292	0.20000	0.21
5 Chloromethane	50		3.307	3.301 (0.364)		5504	0.20000	0.28(a)
6 Butane	43		3.451	3.446 (0.380)		7177	0.20000	0.23(a)
7 Vinyl chloride	62		3.483	3.478 (0.383)		5880	0.20000	0.20
8 1,3-Butadiene	54		3.531	3.531 (0.388)		3589	0.20000	0.19(a)
9 Bromomethane	94		4.064	4.065 (0.447)		10994	0.20000	0.21
10 Chloroethane	64		4.262	4.257 (0.469)		5069	0.20000	0.22(a)
11 2-Methylbutane	43		4.326	4.326 (0.476)		8803	0.20000	0.22
12 Vinyl bromide	106		4.625	4.620 (0.509)		12550	0.20000	0.21
13 Trichlorofluoromethane	101		4.716	4.710 (0.519)		27134	0.20000	0.21
14 Pentane	43		4.844	4.844 (0.533)		14652	0.20000	0.22(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	5.313	5.212	(0.584)	7218	0.20000	0.52(a)
16 Ethyl ether	59	5.372	5.319	(0.591)	5829	0.20000	0.18(aQ)
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.687	5.698	(0.625)	22025	0.20000	0.21
18 Acrolein	56	Compound Not Detected.					
19 1,1-Dichloroethene	96	5.767	5.756	(0.634)	10212	0.20000	0.20
20 Acetone	43	5.986	5.938	(0.658)	86602	0.20000	1.7(a)
21 Carbon disulfide	76	6.172	6.167	(0.679)	33902	0.20000	0.23(a)
22 Isopropanol	45	6.338	6.215	(0.697)	11613	0.20000	0.27(a)
23 Allyl chloride	41	6.455	6.445	(0.710)	8648	0.20000	0.21(aM)
24 Acetonitrile	41	6.562	6.520	(0.722)	6891	0.20000	0.24(aM)
25 Methylene chloride	49	6.706	6.701	(0.738)	12187	0.20000	0.28(a)
26 Tert-butyl alcohol	59	Compound Not Detected.					
27 Methyl tert-butyl ether	73	7.181	7.080	(0.790)	23172	0.20000	0.18(a)
28 1,2-Dichloroethene (trans)	61	7.112	7.101	(0.782)	12943	0.20000	0.20
29 Acrylonitrile	53	7.235	7.187	(0.796)	4756	0.20000	0.16(a)
30 n-Hexane	57	7.437	7.432	(0.818)	13717	0.20000	0.20
31 1,1-Dichloroethane	63	7.832	7.833	(0.861)	15912	0.20000	0.20
32 Vinyl acetate	43	Compound Not Detected.					
M 33 1,2-Dichloroethene,Total	61				24256	0.40000	0.40
34 1,2-Dichloroethene (cis)	96	8.734	8.734	(0.961)	11313	0.20000	0.20
35 Ethyl acetate	88	Compound Not Detected.					
36 Methyl Ethyl Ketone	72	8.814	8.745	(0.969)	9022	0.20000	0.34(aQ)
* 37 Bromochloromethane	128	9.092	9.097	(1.000)	612155	10.0000	
38 Tetrahydrofuran	42	9.209	9.135	(0.877)	7583	0.20000	0.18(a)
39 Chloroform	83	9.182	9.183	(1.010)	20036	0.20000	0.20
40 Cyclohexane	84	9.428	9.434	(0.897)	14353	0.20000	0.19(a)
41 1,1,1-Trichloroethane	97	9.423	9.423	(0.897)	20523	0.20000	0.20
42 Carbon tetrachloride	117	9.625	9.626	(0.916)	22121	0.20000	0.20
43 2,2,4-Trimethylpentane	57	9.924	9.925	(0.945)	39307	0.20000	0.18(a)
44 Benzene	78	9.962	9.951	(0.948)	33425	0.20000	0.20
45 1,2-Dichloroethane	62	10.068	10.058	(0.958)	10151	0.20000	0.19(a)
46 n-Heptane	43	10.191	10.186	(0.970)	13266	0.20000	0.20
* 47 1,4-Difluorobenzene	114	10.506	10.512	(1.000)	2942138	10.0000	
48 n-Butanol	56	Compound Not Detected.					
49 Trichloroethene	95	10.880	10.875	(1.036)	14254	0.20000	0.19(a)
50 1,2-Dichloropropane	63	11.237	11.232	(1.070)	11486	0.20000	0.21
51 Methyl methacrylate	69	11.355	11.312	(1.081)	6579	0.20000	0.12(aQ)
52 Dibromomethane	174	11.435	11.424	(1.088)	14279	0.20000	0.18(a)
53 1,4-Dioxane	88	Compound Not Detected.					
54 Bromodichloromethane	83	11.605	11.600	(1.105)	20069	0.20000	0.19(a)
55 1,3-Dichloropropene (cis)	75	12.257	12.230	(1.167)	13497	0.20000	0.16(a)
56 Methyl isobutyl ketone	43	12.513	12.417	(1.191)	11157	0.20000	0.14(a)
57 n-Octane	43	12.668	12.668	(1.206)	17405	0.20000	0.19(a)
58 Toluene	92	12.673	12.657	(0.866)	23658	0.20000	0.18(a)
59 1,3-Dichloropropene (trans)	75	13.052	13.031	(1.242)	14660	0.20000	0.17(aM)
60 1,1,2-Trichloroethane	83	13.303	13.292	(0.908)	11726	0.20000	0.20
61 Tetrachloroethene	166	13.425	13.420	(0.917)	21953	0.20000	0.18(a)

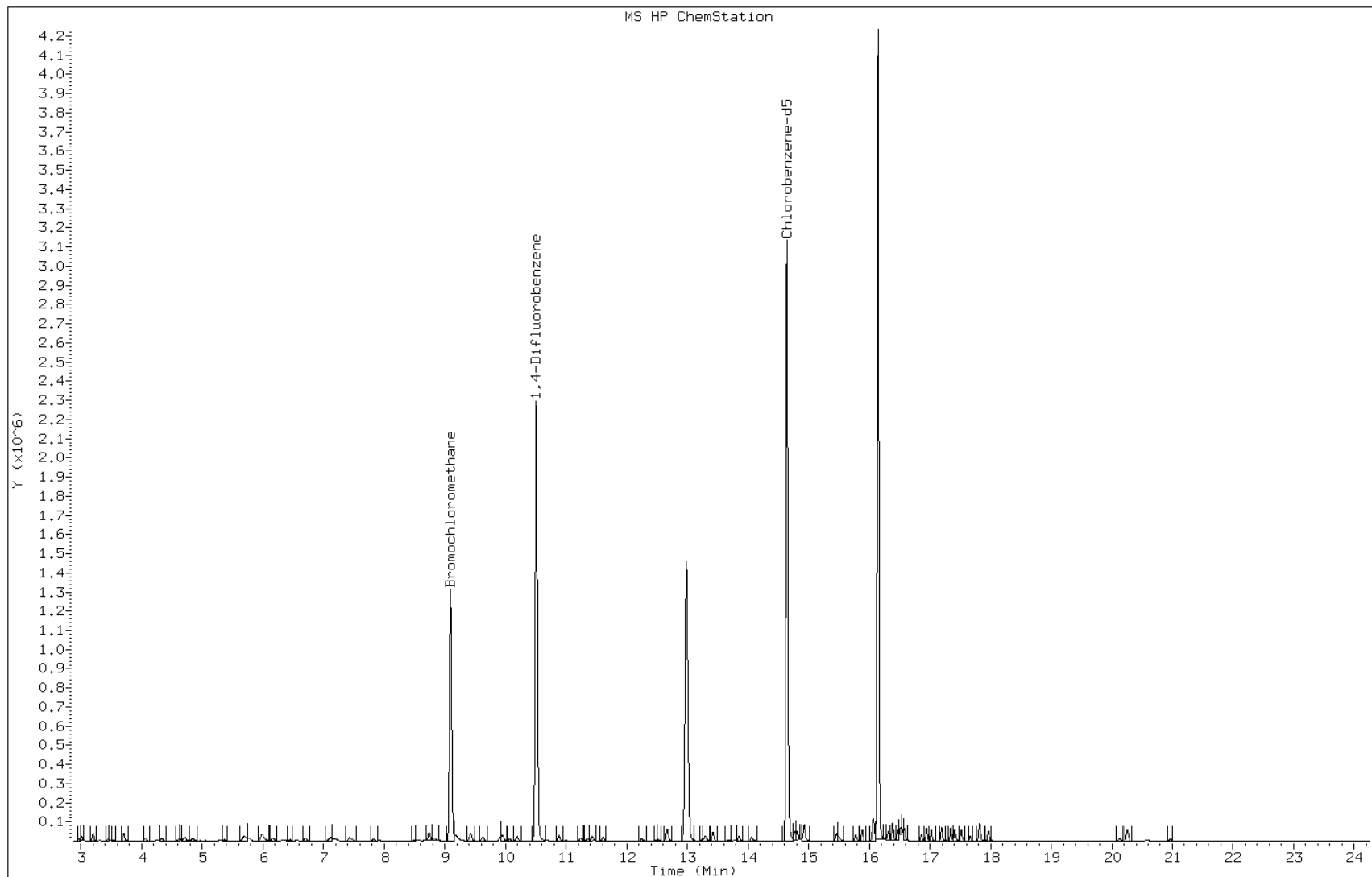
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.682	13.602	(0.934)	9864	0.20000	0.14(a)
63 Dibromochloromethane	129	13.852	13.847	(0.946)	22129	0.20000	0.17(a)
64 1,2-Dibromoethane	107	14.060	14.050	(0.960)	21048	0.20000	0.18(a)
* 65 Chlorobenzene-d5	117	14.642	14.648	(1.000)	2647211	10.0000	
66 Chlorobenzene	112	14.685	14.690	(1.003)	37856	0.20000	0.20
67 n-Nonane	57	14.818	14.819	(1.012)	20104	0.20000	0.19(a)
68 Ethylbenzene	91	14.770	14.771	(1.009)	51433	0.20000	0.19(a)
69 Xylene (m,p)	106	14.930	14.925	(1.020)	42478	0.40000	0.35(a)
M 70 Xylenes, Total	106				60221	0.20000	0.51
71 Xylene (o)	106	15.459	15.459	(1.056)	17743	0.20000	0.16(a)
72 Styrene	104	15.501	15.486	(1.059)	22674	0.20000	0.14(a)
73 Bromoform	173	15.779	15.774	(1.078)	19777	0.20000	0.14(a)
74 Isopropylbenzene	105	15.886	15.886	(1.085)	51647	0.20000	0.17(a)
75 1,1,2,2-Tetrachloroethane	83	16.313	16.313	(1.114)	29641	0.20000	0.19(a)
76 n-Propylbenzene	91	16.382	16.382	(1.119)	64048	0.20000	0.18(a)
77 1,2,3-Trichloropropane	75	16.393	16.393	(1.120)	22191	0.20000	0.20(a)
78 n-Decane	57	16.473	16.478	(1.125)	23016	0.20000	0.18(a)
79 4-Ethyltoluene	105	16.515	16.516	(1.128)	55467	0.20000	0.17(a)
80 2-Chlorotoluene	91	16.547	16.542	(1.130)	53069	0.20000	0.19(a)
81 1,3,5-Trimethylbenzene	105	16.585	16.585	(1.133)	48808	0.20000	0.18(a)
82 Alpha Methyl Styrene	118	16.862	16.857	(1.152)	15876	0.20000	0.12(a)
83 tert-butylbenzene	119	16.948	16.953	(1.157)	44002	0.20000	0.17(a)
84 1,2,4-Trimethylbenzene	105	17.022	17.023	(1.163)	42135	0.20000	0.16(a)
85 sec-Butylbenzene	105	17.199	17.199	(1.175)	67367	0.20000	0.17(a)
86 4-Isopropyltoluene	119	17.348	17.348	(1.185)	51290	0.20000	0.16(a)
87 1,3-Dichlorobenzene	146	17.412	17.407	(1.189)	35497	0.20000	0.17(a)
88 1,4-Dichlorobenzene	146	17.519	17.514	(1.196)	34803	0.20000	0.17(a)
89 Benzyl chloride	91	17.668	17.658	(1.207)	30517	0.20000	0.15(a)
90 Undecane	57	17.818	17.818	(1.217)	18715	0.20000	0.15(a)
91 n-Butylbenzene	91	17.823	17.823	(1.217)	46510	0.20000	0.17(a)
92 1,2-Dichlorobenzene	146	17.967	17.962	(1.227)	34290	0.20000	0.17(a)
93 Dodecane	57	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	20.128	20.113	(1.375)	11219	0.20000	0.087(a)
95 1,3-Hexachlorobutadiene	225	20.262	20.268	(1.384)	19847	0.20000	0.17(a)

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: bky04.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 474964
Lab Sample ID: ic 474964

Date: 03-APR-2013 16:56
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32

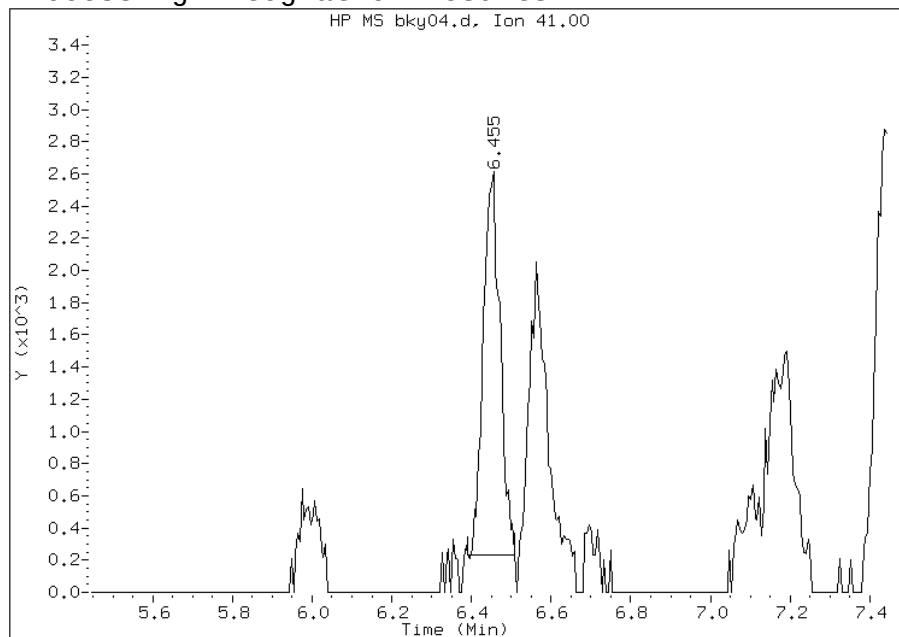


Manual Integration Report

Data File: bky04.d
Lab Sample ID: ic 474964
Inj. Date and Time: 03-APR-2013 16:56
Instrument ID: B.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/04/2013

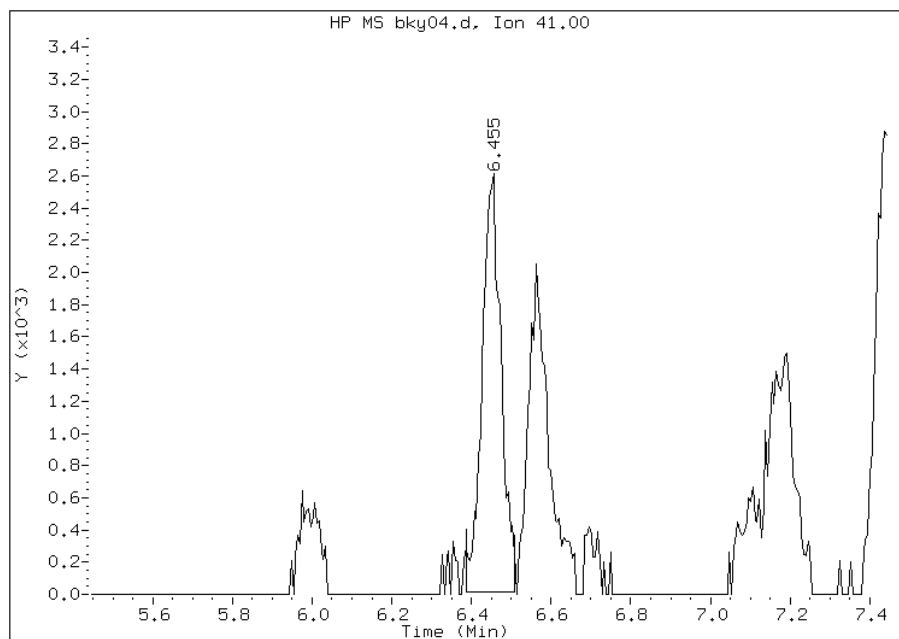
Processing Integration Results

RT: 6.46
Response: 6968
Amount: 0.173860
Conc: 0.173860



Manual Integration Results

RT: 6.46
Response: 8648
Amount: 0.209505
Conc: 0.209505



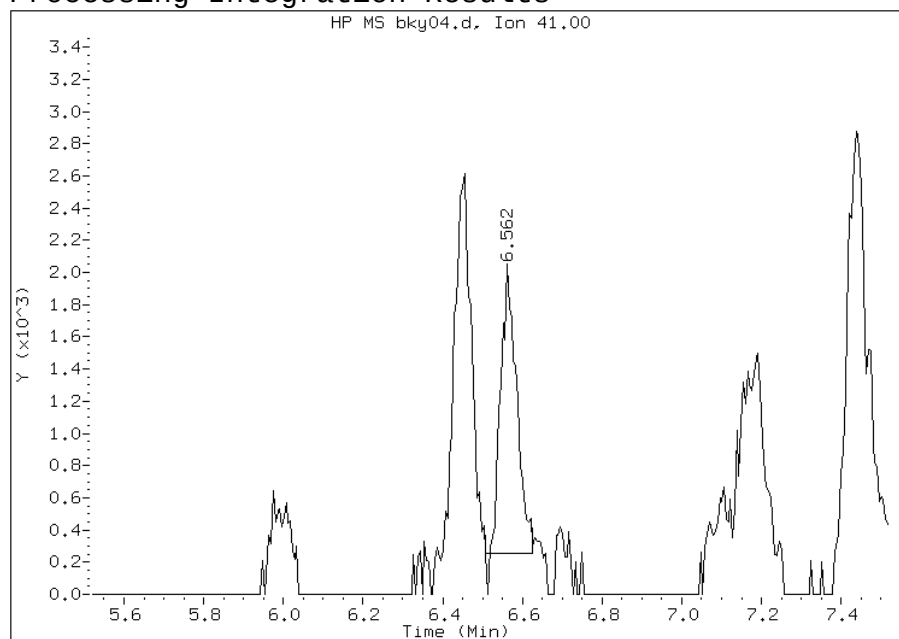
File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: bky04.d
Lab Sample ID: ic 474964
Inj. Date and Time: 03-APR-2013 16:56
Instrument ID: B.i
Client ID:
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 04/04/2013

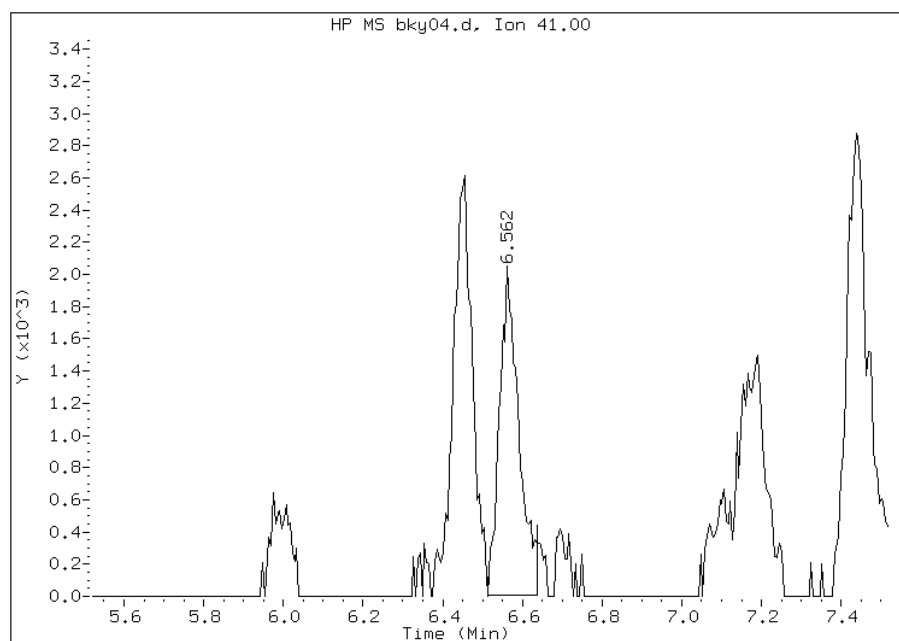
Processing Integration Results

RT: 6.56
Response: 4944
Amount: 0.169797
Conc: 0.169797



Manual Integration Results

RT: 6.56
Response: 6891
Amount: 0.236665
Conc: 0.236665



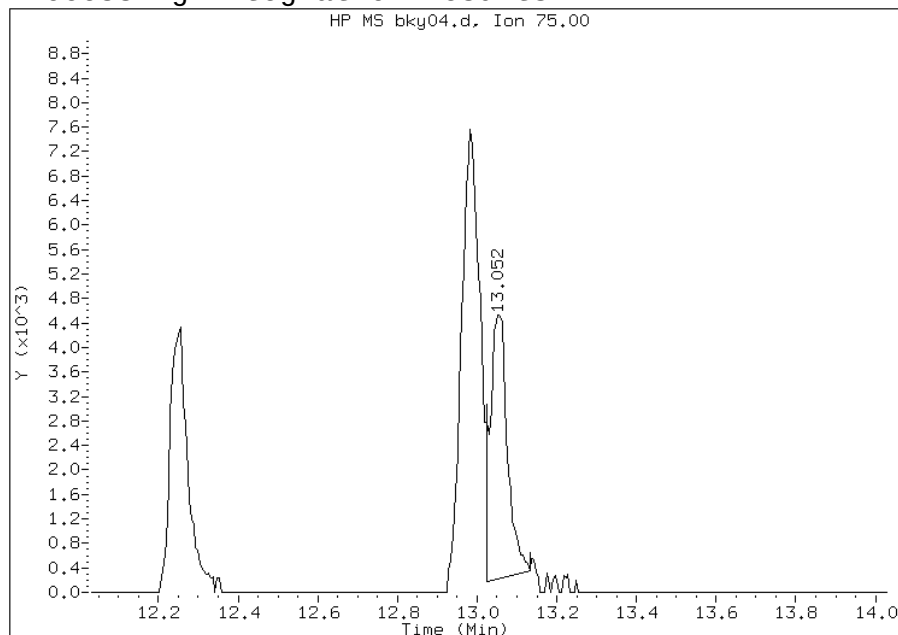
File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: bky04.d
Lab Sample ID: ic 474964
Inj. Date and Time: 03-APR-2013 16:56
Instrument ID: B.i
Client ID:
Compound: 59 1,3-Dichloropropene (trans)
CAS #: 10061-02-6
Report Date: 04/04/2013

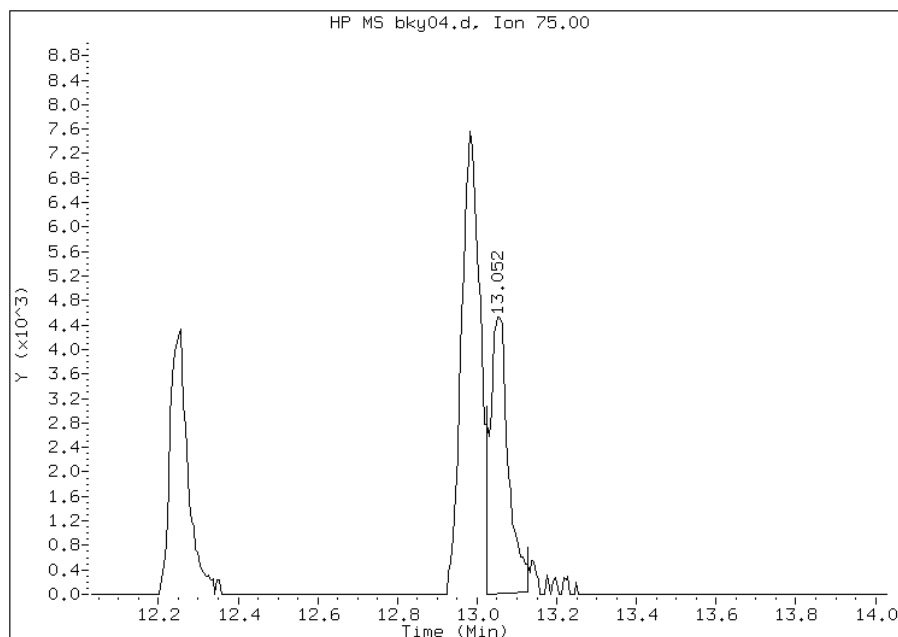
Processing Integration Results

RT: 13.05
Response: 13170
Amount: 0.158494
Conc: 0.158494



Manual Integration Results

RT: 13.05
Response: 14660
Amount: 0.174194
Conc: 0.174194



File Uploaded By: pd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkyto15.b/bky05.d
Lab Smp Id: ic 463765
Inj Date : 03-APR-2013 17:49
Operator : pad
Smp Info : ic 463765
Misc Info : 200,1, level 2
Comment :
Method : /chem/B.i/Bsvr.p/bkyto15.b/to15v5.m
Meth Date : 04-Apr-2013 12:51 pd
Cal Date : 03-APR-2013 17:49
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: B.i
Quant Type: ISTD
Cal File: bky05.d
Calibration Sample, Level: 2
Compound Sublist: allT015.sub

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	2.965	2.965	(0.326)	7926	0.50000	0.74(a)
2 Dichlorodifluoromethane	85	3.013	3.013	(0.331)	48195	0.50000	0.58
3 Chlorodifluoromethane	51	3.050	3.045	(0.336)	17733	0.50000	0.61
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.200	3.200	(0.352)	51135	0.50000	0.60
5 Chloromethane	50	3.307	3.301	(0.364)	10797	0.50000	0.65
6 Butane	43	3.445	3.446	(0.379)	17238	0.50000	0.65
7 Vinyl chloride	62	3.483	3.478	(0.383)	14354	0.50000	0.58
8 1,3-Butadiene	54	3.536	3.531	(0.389)	9118	0.50000	0.55
9 Bromomethane	94	4.064	4.065	(0.447)	25071	0.50000	0.56
10 Chloroethane	64	4.257	4.257	(0.468)	11579	0.50000	0.58
11 2-Methylbutane	43	4.326	4.326	(0.476)	19956	0.50000	0.58
12 Vinyl bromide	106	4.620	4.620	(0.508)	27174	0.50000	0.53
13 Trichlorofluoromethane	101	4.716	4.710	(0.519)	61389	0.50000	0.55
14 Pentane	43	4.838	4.844	(0.532)	34151	0.50000	0.60

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.249	5.212	(0.577)	64819	5.00000	5.5
16 Ethyl ether	59	5.351	5.319	(0.588)	14452	0.50000	0.54(Q)
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.692	5.698	(0.626)	47554	0.50000	0.53
18 Acrolein	56	Compound Not Detected.					
19 1,1-Dichloroethene	96	5.762	5.756	(0.634)	22481	0.50000	0.52
20 Acetone	43	5.975	5.938	(0.657)	69140	0.50000	1.6(a)
21 Carbon disulfide	76	6.173	6.167	(0.679)	66619	0.50000	0.53
22 Isopropanol	45	6.322	6.215	(0.695)	16099	0.50000	0.44(a)
23 Allyl chloride	41	6.445	6.445	(0.709)	18141	0.50000	0.51
24 Acetonitrile	41	6.551	6.520	(0.721)	13163	0.50000	0.53(a)
25 Methylene chloride	49	6.701	6.701	(0.737)	23749	0.50000	0.65
26 Tert-butyl alcohol	59	Compound Not Detected.					
27 Methyl tert-butyl ether	73	7.144	7.080	(0.786)	52898	0.50000	0.49
28 1,2-Dichloroethene (trans)	61	7.112	7.101	(0.782)	28435	0.50000	0.52
29 Acrylonitrile	53	7.219	7.187	(0.794)	12231	0.50000	0.48(a)
30 n-Hexane	57	7.437	7.432	(0.818)	31026	0.50000	0.52
31 1,1-Dichloroethane	63	7.832	7.833	(0.861)	36352	0.50000	0.53
32 Vinyl acetate	43	7.896	7.865	(0.868)	27356	0.50000	0.36(a)
M 33 1,2-Dichloroethene,Total	61				52101	1.00000	1.00
34 1,2-Dichloroethene (cis)	96	8.734	8.734	(0.961)	23666	0.50000	0.48
35 Ethyl acetate	88	8.814	8.772	(0.969)	1212	0.50000	0.29(aQ)
36 Methyl Ethyl Ketone	72	8.782	8.745	(0.966)	14502	0.50000	0.63(Q)
* 37 Bromochloromethane	128	9.092	9.097	(1.000)	524002	10.0000	
38 Tetrahydrofuran	42	9.199	9.135	(0.876)	17538	0.50000	0.49(a)
39 Chloroform	83	9.177	9.183	(1.009)	44097	0.50000	0.52
40 Cyclohexane	84	9.428	9.434	(0.897)	31803	0.50000	0.47
41 1,1,1-Trichloroethane	97	9.423	9.423	(0.897)	42883	0.50000	0.47
42 Carbon tetrachloride	117	9.620	9.626	(0.916)	46899	0.50000	0.47
43 2,2,4-Trimethylpentane	57	9.919	9.925	(0.944)	90650	0.50000	0.48
44 Benzene	78	9.956	9.951	(0.948)	76310	0.50000	0.52
45 1,2-Dichloroethane	62	10.063	10.058	(0.958)	23383	0.50000	0.50
46 n-Heptane	43	10.186	10.186	(0.970)	29439	0.50000	0.50
* 47 1,4-Difluorobenzene	114	10.506	10.512	(1.000)	2587552	10.0000	
48 n-Butanol	56	Compound Not Detected.					
49 Trichloroethene	95	10.874	10.875	(1.035)	31690	0.50000	0.48
50 1,2-Dichloropropane	63	11.243	11.232	(1.070)	23748	0.50000	0.49
51 Methyl methacrylate	69	11.344	11.312	(1.080)	16982	0.50000	0.36(a)
52 Dibromomethane	174	11.424	11.424	(1.087)	29999	0.50000	0.44
53 1,4-Dioxane	88	Compound Not Detected.					
54 Bromodichloromethane	83	11.600	11.600	(1.104)	44201	0.50000	0.47
55 1,3-Dichloropropene (cis)	75	12.241	12.230	(1.165)	31164	0.50000	0.43
56 Methyl isobutyl ketone	43	12.475	12.417	(1.187)	26018	0.50000	0.38(a)
57 n-Octane	43	12.668	12.668	(1.206)	41471	0.50000	0.52
58 Toluene	92	12.662	12.657	(0.865)	53543	0.50000	0.52
59 1,3-Dichloropropene (trans)	75	13.046	13.031	(1.242)	31477	0.50000	0.43
60 1,1,2-Trichloroethane	83	13.297	13.292	(0.908)	24541	0.50000	0.52
61 Tetrachloroethene	166	13.425	13.420	(0.917)	46972	0.50000	0.48

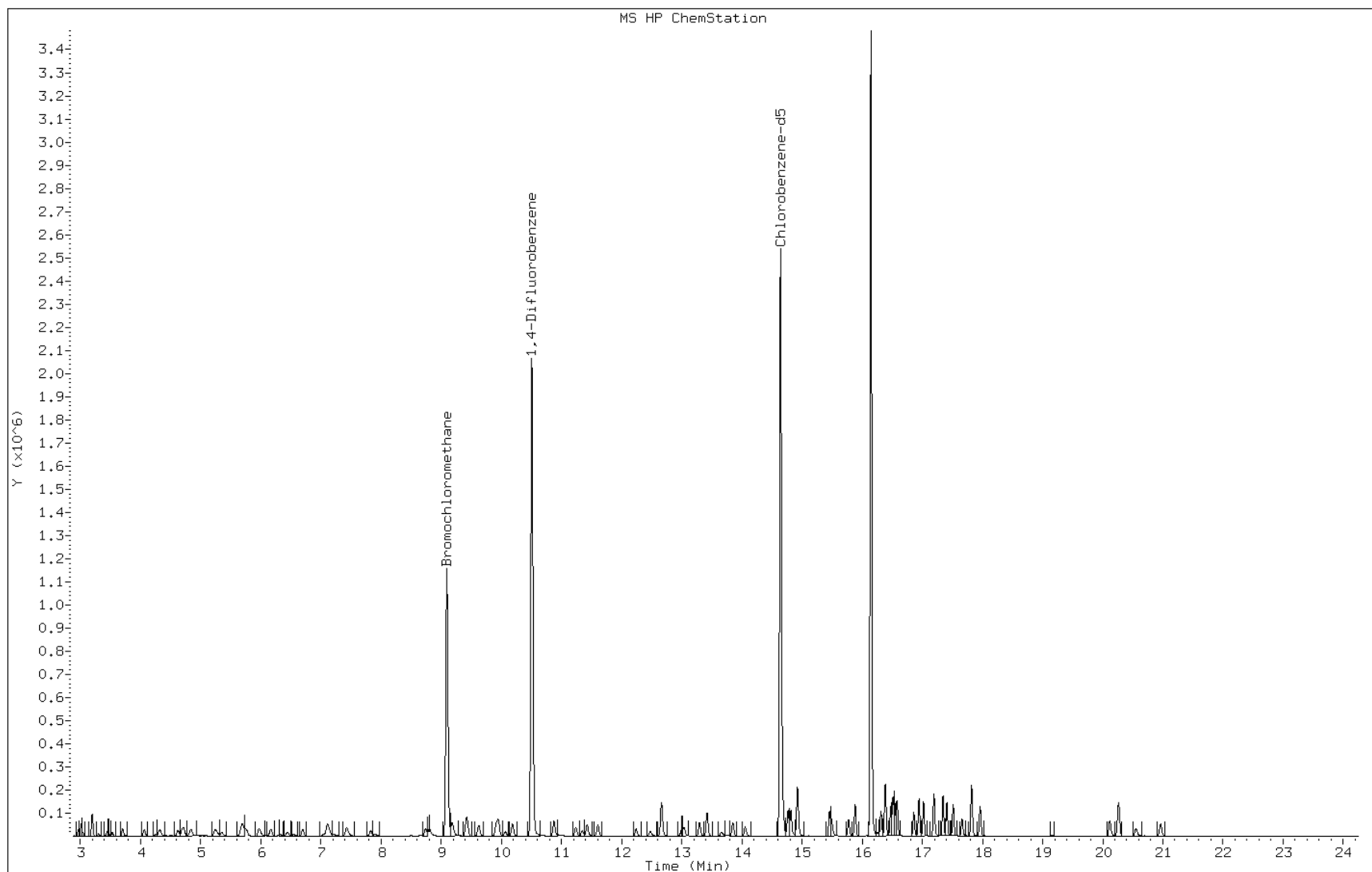
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.660	13.602	(0.933)	23065	0.50000	0.40(a)
63 Dibromochloromethane	129	13.852	13.847	(0.946)	48597	0.50000	0.47
64 1,2-Dibromoethane	107	14.055	14.050	(0.960)	45431	0.50000	0.49
* 65 Chlorobenzene-d5	117	14.642	14.648	(1.000)	2122523	10.0000	
66 Chlorobenzene	112	14.685	14.690	(1.003)	81298	0.50000	0.53
67 n-Nonane	57	14.818	14.819	(1.012)	45938	0.50000	0.55
68 Ethylbenzene	91	14.770	14.771	(1.009)	113262	0.50000	0.52
69 Xylene (m,p)	106	14.925	14.925	(1.019)	98501	1.00000	1.0
M 70 Xylenes, Total	106				140585	0.50000	1.5
71 Xylene (o)	106	15.459	15.459	(1.056)	42084	0.50000	0.47
72 Styrene	104	15.491	15.486	(1.058)	58347	0.50000	0.44
73 Bromoform	173	15.779	15.774	(1.078)	45386	0.50000	0.41
74 Isopropylbenzene	105	15.886	15.886	(1.085)	122175	0.50000	0.49
75 1,1,2,2-Tetrachloroethane	83	16.313	16.313	(1.114)	67845	0.50000	0.54
76 n-Propylbenzene	91	16.382	16.382	(1.119)	145814	0.50000	0.50
77 1,2,3-Trichloropropane	75	16.393	16.393	(1.120)	51148	0.50000	0.57
78 n-Decane	57	16.478	16.478	(1.125)	53314	0.50000	0.51
79 4-Ethyltoluene	105	16.515	16.516	(1.128)	130343	0.50000	0.50
80 2-Chlorotoluene	91	16.542	16.542	(1.130)	122366	0.50000	0.54
81 1,3,5-Trimethylbenzene	105	16.585	16.585	(1.133)	112124	0.50000	0.52
82 Alpha Methyl Styrene	118	16.862	16.857	(1.152)	44023	0.50000	0.42
83 tert-butylbenzene	119	16.948	16.953	(1.157)	104414	0.50000	0.50
84 1,2,4-Trimethylbenzene	105	17.023	17.023	(1.163)	104717	0.50000	0.50
85 sec-Butylbenzene	105	17.199	17.199	(1.175)	167430	0.50000	0.53
86 4-Isopropyltoluene	119	17.348	17.348	(1.185)	126382	0.50000	0.48
87 1,3-Dichlorobenzene	146	17.407	17.407	(1.189)	82024	0.50000	0.49
88 1,4-Dichlorobenzene	146	17.514	17.514	(1.196)	76162	0.50000	0.46
89 Benzyl chloride	91	17.663	17.658	(1.206)	79080	0.50000	0.48
90 Undecane	57	17.818	17.818	(1.217)	31617	0.50000	0.32(a)
91 n-Butylbenzene	91	17.823	17.823	(1.217)	112196	0.50000	0.51
92 1,2-Dichlorobenzene	146	17.962	17.962	(1.227)	79436	0.50000	0.50
93 Dodecane	57	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	20.118	20.113	(1.374)	39204	0.50000	0.38(a)
95 1,3-Hexachlorobutadiene	225	20.262	20.268	(1.384)	49122	0.50000	0.53
96 Naphthalene	128	20.550	20.534	(1.403)	60412	0.50000	0.31(a)
97 1,2,3-Trichlorobenzene	180	20.961	20.956	(1.432)	33337	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.

Data File: bky05.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 463765
Lab Sample ID: ic 463765

Date: 03-APR-2013 17:49
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkyto15.b/bky06.d
Lab Smp Id: ic 474906
Inj Date : 03-APR-2013 18:41
Operator : pad
Smp Info : ic 474906
Misc Info : 200,1, level 3
Comment :
Method : /chem/B.i/Bsvr.p/bkyto15.b/to15v5.m
Meth Date : 04-Apr-2013 12:51 pd
Cal Date : 03-APR-2013 18:41
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: B.i
Quant Type: ISTD
Cal File: bky06.d
Calibration Sample, Level: 3
Compound Sublist: allT015.sub

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		2.965	2.965	(0.326)	63800	5.00000	5.8
2 Dichlorodifluoromethane	85		3.013	3.013	(0.331)	504902	5.00000	5.9
3 Chlorodifluoromethane	51		3.045	3.045	(0.335)	179003	5.00000	6.0
4 1,2-Dichloro-1,1,2,2-tetraflu	85		3.195	3.200	(0.351)	524374	5.00000	5.9
5 Chloromethane	50		3.301	3.301	(0.363)	101614	5.00000	5.9
6 Butane	43		3.446	3.446	(0.379)	163635	5.00000	6.0
7 Vinyl chloride	62		3.478	3.478	(0.382)	154535	5.00000	6.1
8 1,3-Butadiene	54		3.531	3.531	(0.388)	104664	5.00000	6.2
9 Bromomethane	94		4.059	4.065	(0.446)	256860	5.00000	5.6
10 Chloroethane	64		4.257	4.257	(0.468)	115463	5.00000	5.6
11 2-Methylbutane	43		4.326	4.326	(0.476)	202774	5.00000	5.7
12 Vinyl bromide	106		4.620	4.620	(0.508)	276735	5.00000	5.3
13 Trichlorofluoromethane	101		4.716	4.710	(0.518)	607562	5.00000	5.3
14 Pentane	43		4.844	4.844	(0.532)	327521	5.00000	5.6

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.217	5.212	(0.574)	103971	10.0000	8.5
16 Ethyl ether	59	5.324	5.319	(0.585)	148305	5.00000	5.3
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.692	5.698	(0.626)	474884	5.00000	5.1
18 Acrolein	56	5.671	5.660	(0.623)	80437	5.00000	5.3
19 1,1-Dichloroethene	96	5.756	5.756	(0.633)	227290	5.00000	5.1
20 Acetone	43	5.943	5.938	(0.653)	276697	5.00000	6.1
21 Carbon disulfide	76	6.167	6.167	(0.678)	677785	5.00000	5.2
22 Isopropanol	45	6.231	6.215	(0.685)	207018	5.00000	5.5
23 Allyl chloride	41	6.439	6.445	(0.708)	196162	5.00000	5.4
24 Acetonitrile	41	6.525	6.520	(0.717)	145692	5.00000	5.7
25 Methylene chloride	49	6.701	6.701	(0.737)	201810	5.00000	5.3
26 Tert-butyl alcohol	59	6.936	6.925	(0.762)	327621	5.00000	5.3
27 Methyl tert-butyl ether	73	7.091	7.080	(0.779)	593657	5.00000	5.3
28 1,2-Dichloroethene (trans)	61	7.101	7.101	(0.781)	304185	5.00000	5.4
29 Acrylonitrile	53	7.187	7.187	(0.790)	140464	5.00000	5.3
30 n-Hexane	57	7.432	7.432	(0.817)	332532	5.00000	5.4
31 1,1-Dichloroethane	63	7.827	7.833	(0.860)	376261	5.00000	5.3
32 Vinyl acetate	43	7.864	7.865	(0.864)	408850	5.00000	5.3
M 33 1,2-Dichloroethene,Total	61				565704	10.0000	11
34 1,2-Dichloroethene (cis)	96	8.734	8.734	(0.960)	261519	5.00000	5.1
35 Ethyl acetate	88	8.777	8.772	(0.965)	21124	5.00000	5.0
36 Methyl Ethyl Ketone	72	8.756	8.745	(0.962)	116380	5.00000	4.9(Q)
* 37 Bromochloromethane	128	9.097	9.097	(1.000)	539024	10.0000	
38 Tetrahydrofuran	42	9.140	9.135	(0.870)	198198	5.00000	5.4
39 Chloroform	83	9.177	9.183	(1.009)	456055	5.00000	5.3
40 Cyclohexane	84	9.434	9.434	(0.898)	355391	5.00000	5.2
41 1,1,1-Trichloroethane	97	9.423	9.423	(0.897)	460144	5.00000	5.0
42 Carbon tetrachloride	117	9.626	9.626	(0.916)	492314	5.00000	4.9
43 2,2,4-Trimethylpentane	57	9.919	9.925	(0.944)	1042228	5.00000	5.4
44 Benzene	78	9.951	9.951	(0.947)	755263	5.00000	5.1
45 1,2-Dichloroethane	62	10.058	10.058	(0.957)	253189	5.00000	5.4
46 n-Heptane	43	10.181	10.186	(0.969)	330423	5.00000	5.5
* 47 1,4-Difluorobenzene	114	10.506	10.512	(1.000)	2614583	10.0000	
48 n-Butanol	56	10.837	10.821	(1.031)	87066	5.00000	4.4(a)
49 Trichloroethene	95	10.869	10.875	(1.035)	332563	5.00000	5.0
50 1,2-Dichloropropane	63	11.232	11.232	(1.069)	253691	5.00000	5.2
51 Methyl methacrylate	69	11.312	11.312	(1.077)	244936	5.00000	5.2
52 Dibromomethane	174	11.419	11.424	(1.087)	324537	5.00000	4.7
53 1,4-Dioxane	88	11.430	11.414	(1.088)	125728	5.00000	5.0
54 Bromodichloromethane	83	11.600	11.600	(1.104)	500928	5.00000	5.2
55 1,3-Dichloropropene (cis)	75	12.230	12.230	(1.164)	393188	5.00000	5.3
56 Methyl isobutyl ketone	43	12.422	12.417	(1.182)	386927	5.00000	5.6
57 n-Octane	43	12.662	12.668	(1.205)	469786	5.00000	5.8
58 Toluene	92	12.652	12.657	(0.864)	592636	5.00000	4.9
59 1,3-Dichloropropene (trans)	75	13.025	13.031	(1.240)	391428	5.00000	5.2
60 1,1,2-Trichloroethane	83	13.287	13.292	(0.908)	276757	5.00000	5.0
61 Tetrachloroethene	166	13.415	13.420	(0.916)	511621	5.00000	4.5

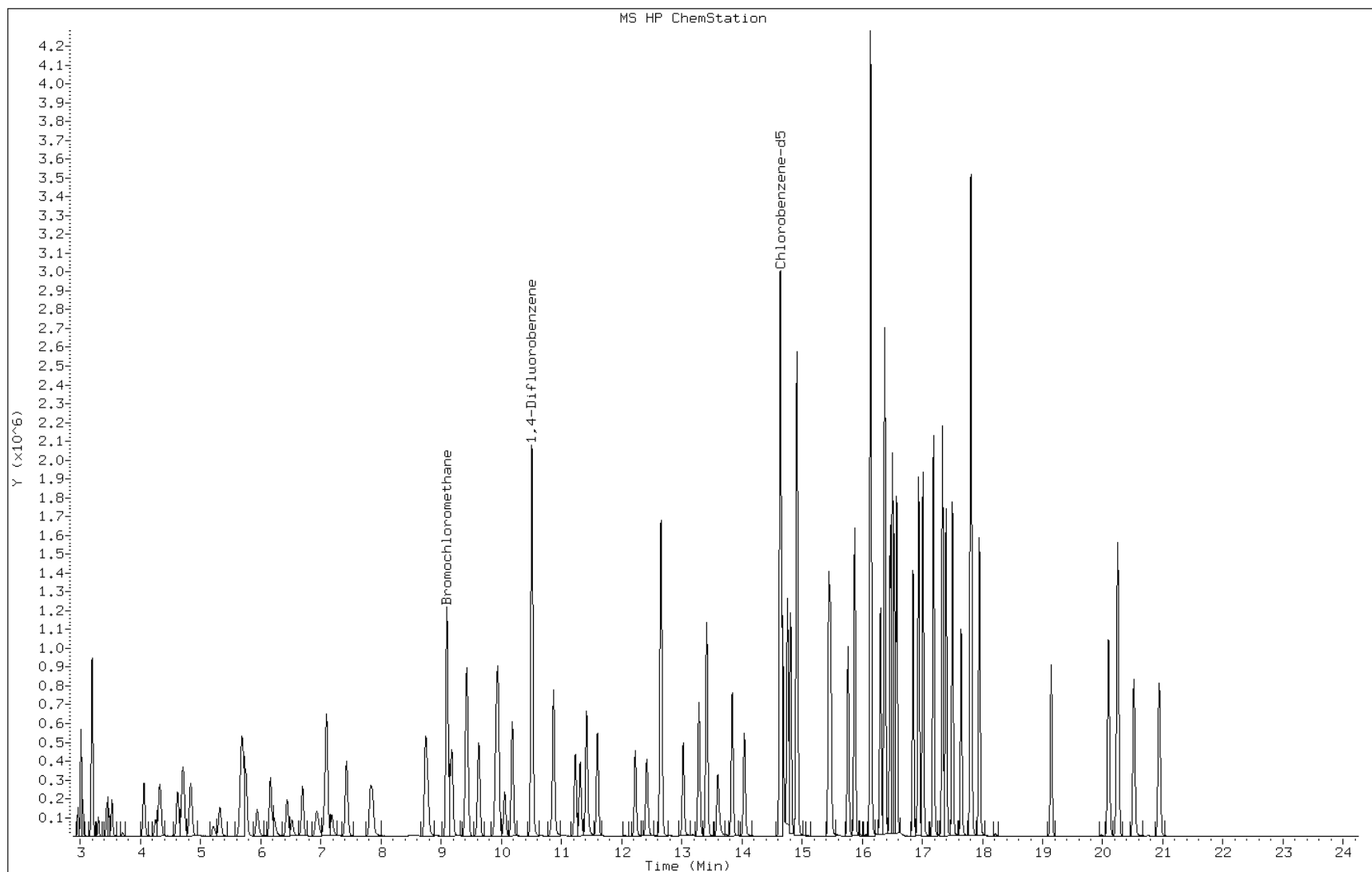
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.602	13.602	(0.929)	351575	5.00000	5.2
63 Dibromochloromethane	129	13.842	13.847	(0.946)	590393	5.00000	4.8
64 1,2-Dibromoethane	107	14.039	14.050	(0.959)	530227	5.00000	4.9
* 65 Chlorobenzene-d5	117	14.637	14.648	(1.000)	2485428	10.0000	
66 Chlorobenzene	112	14.680	14.690	(1.003)	858908	5.00000	4.8
67 n-Nonane	57	14.813	14.819	(1.012)	522556	5.00000	5.3
68 Ethylbenzene	91	14.760	14.771	(1.008)	1256820	5.00000	4.9
69 Xylene (m,p)	106	14.915	14.925	(1.019)	1123092	10.0000	9.9
M 70 Xylenes, Total	106				1650875	5.00000	15
71 Xylene (o)	106	15.448	15.459	(1.055)	527783	5.00000	5.0
72 Styrene	104	15.480	15.486	(1.058)	789151	5.00000	5.0
73 Bromoform	173	15.768	15.774	(1.077)	600568	5.00000	4.7
74 Isopropylbenzene	105	15.880	15.886	(1.085)	1459294	5.00000	5.0
75 1,1,2,2-Tetrachloroethane	83	16.307	16.313	(1.114)	747974	5.00000	5.1
76 n-Propylbenzene	91	16.371	16.382	(1.118)	1765828	5.00000	5.2
77 1,2,3-Trichloropropane	75	16.382	16.393	(1.119)	548035	5.00000	5.2
78 n-Decane	57	16.468	16.478	(1.125)	687355	5.00000	5.6
79 4-Ethyltoluene	105	16.505	16.516	(1.128)	1534950	5.00000	5.0
80 2-Chlorotoluene	91	16.537	16.542	(1.130)	1304613	5.00000	4.9
81 1,3,5-Trimethylbenzene	105	16.574	16.585	(1.132)	1214444	5.00000	4.8
82 Alpha Methyl Styrene	118	16.846	16.857	(1.151)	548255	5.00000	4.5
83 tert-butylbenzene	119	16.943	16.953	(1.157)	1211017	5.00000	4.9
84 1,2,4-Trimethylbenzene	105	17.012	17.023	(1.162)	1259262	5.00000	5.1
85 sec-Butylbenzene	105	17.188	17.199	(1.174)	1875208	5.00000	5.1
86 4-Isopropyltoluene	119	17.337	17.348	(1.184)	1565753	5.00000	5.0
87 1,3-Dichlorobenzene	146	17.402	17.407	(1.189)	925044	5.00000	4.8
88 1,4-Dichlorobenzene	146	17.503	17.514	(1.196)	932147	5.00000	4.8
89 Benzyl chloride	91	17.647	17.658	(1.206)	991663	5.00000	5.1
90 Undecane	57	17.807	17.818	(1.217)	710377	5.00000	6.1
91 n-Butylbenzene	91	17.812	17.823	(1.217)	1438207	5.00000	5.5
92 1,2-Dichlorobenzene	146	17.951	17.962	(1.226)	878616	5.00000	4.8
93 Dodecane	57	19.141	19.157	(1.308)	412864	5.00000	5.7
94 1,2,4-Trichlorobenzene	180	20.097	20.113	(1.373)	562787	5.00000	4.7
95 1,3-Hexachlorobutadiene	225	20.246	20.268	(1.383)	509388	5.00000	4.7
96 Naphthalene	128	20.518	20.534	(1.402)	1164517	5.00000	5.1
97 1,2,3-Trichlorobenzene	180	20.940	20.956	(1.431)	480992	5.00000	5.5

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Data File: bky06.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 474906
Lab Sample ID: ic 474906

Date: 03-APR-2013 18:41
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkyto15.b/bky07.d
Lab Smp Id: icis 474906
Inj Date : 03-APR-2013 19:33
Operator : pad
Smp Info : icis 474906
Misc Info : 200,1, level 4
Comment :
Method : /chem/B.i/Bsvr.p/bkyto15.b/to15v5.m
Meth Date : 04-Apr-2013 12:51 pd
Cal Date : 03-APR-2013 19:33
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: B.i
Quant Type: ISTD
Cal File: bky07.d
Calibration Sample, Level: 4
Compound Sublist: allT015.sub

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

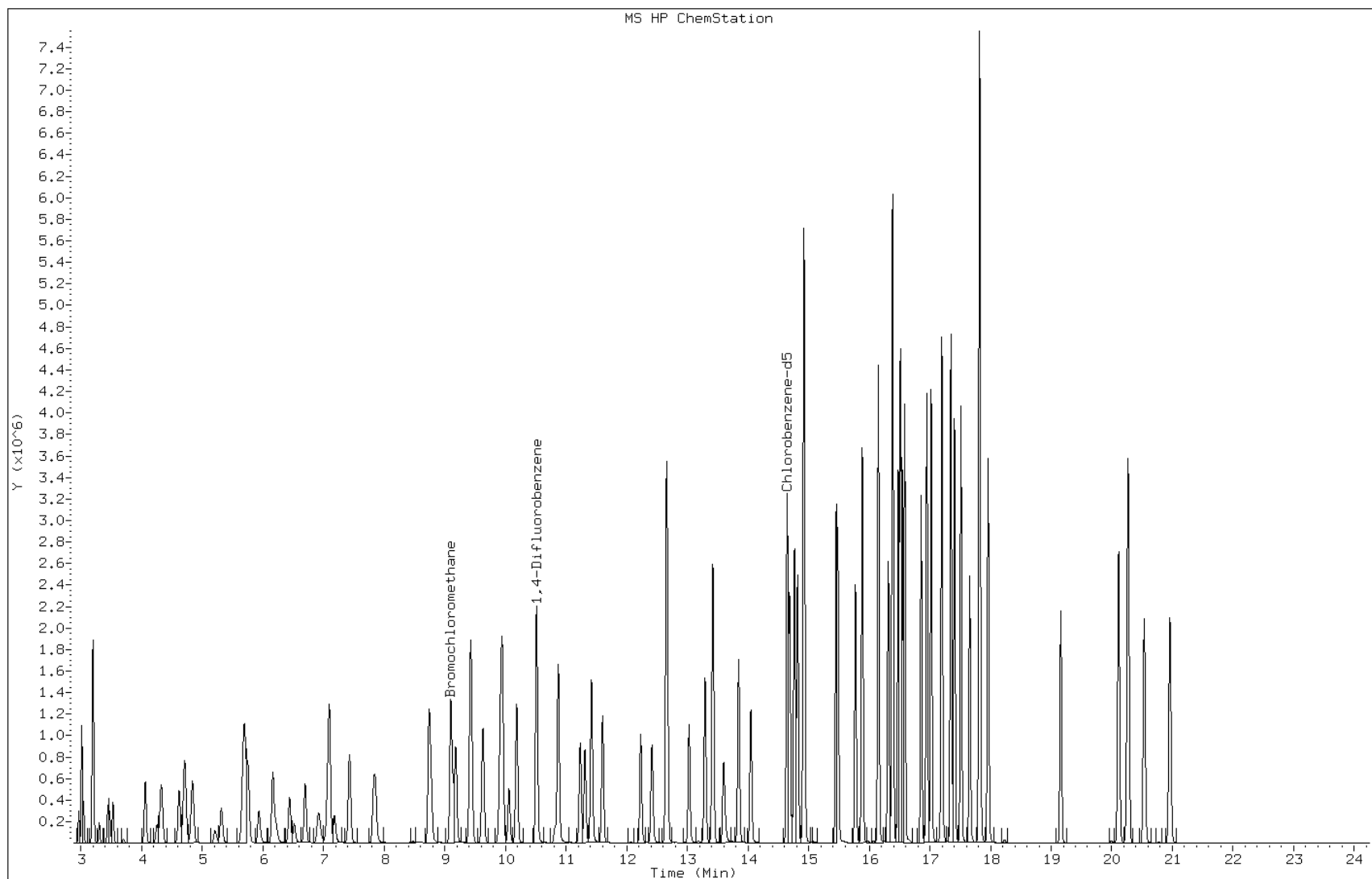
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	2.965	2.965	(0.326)	122610	10.0000	10
2 Dichlorodifluoromethane	85	3.013	3.013	(0.331)	994457	10.0000	11
3 Chlorodifluoromethane	51	3.045	3.045	(0.335)	353119	10.0000	11
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.200	3.200	(0.352)	1032833	10.0000	11
5 Chloromethane	50	3.301	3.301	(0.363)	198187	10.0000	11
6 Butane	43	3.446	3.446	(0.379)	323422	10.0000	11
7 Vinyl chloride	62	3.478	3.478	(0.382)	303638	10.0000	11
8 1,3-Butadiene	54	3.531	3.531	(0.388)	205305	10.0000	11
9 Bromomethane	94	4.065	4.065	(0.447)	520583	10.0000	10
10 Chloroethane	64	4.257	4.257	(0.468)	233494	10.0000	10
11 2-Methylbutane	43	4.326	4.326	(0.476)	402200	10.0000	10
12 Vinyl bromide	106	4.620	4.620	(0.508)	582292	10.0000	10
13 Trichlorofluoromethane	101	4.710	4.710	(0.518)	1255666	10.0000	10
14 Pentane	43	4.844	4.844	(0.532)	665401	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	5.212	5.212	(0.573)	216112	15.0000	16
16 Ethyl ether	59	5.319	5.319	(0.585)	316144	10.0000	10
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.698	5.698	(0.626)	999366	10.0000	9.8
18 Acrolein	56	5.660	5.660	(0.622)	172824	10.0000	10
19 1,1-Dichloroethene	96	5.756	5.756	(0.633)	486523	10.0000	9.9
20 Acetone	43	5.938	5.938	(0.653)	564503	10.0000	11
21 Carbon disulfide	76	6.167	6.167	(0.678)	1425572	10.0000	10
22 Isopropanol	45	6.215	6.215	(0.683)	437882	10.0000	11
23 Allyl chloride	41	6.445	6.445	(0.708)	409157	10.0000	10
24 Acetonitrile	41	6.520	6.520	(0.717)	296353	10.0000	11
25 Methylene chloride	49	6.701	6.701	(0.737)	412108	10.0000	9.9
26 Tert-butyl alcohol	59	6.925	6.925	(0.761)	697766	10.0000	10
27 Methyl tert-butyl ether	73	7.080	7.080	(0.778)	1270550	10.0000	10
28 1,2-Dichloroethene (trans)	61	7.101	7.101	(0.781)	637618	10.0000	10
29 Acrylonitrile	53	7.187	7.187	(0.790)	302041	10.0000	10
30 n-Hexane	57	7.432	7.432	(0.817)	703907	10.0000	10
31 1,1-Dichloroethane	63	7.833	7.833	(0.861)	796567	10.0000	10
32 Vinyl acetate	43	7.865	7.865	(0.864)	895510	10.0000	11
M 33 1,2-Dichloroethene,Total	61				1203221	20.0000	20
34 1,2-Dichloroethene (cis)	96	8.734	8.734	(0.960)	565603	10.0000	10
35 Ethyl acetate	88	8.772	8.772	(0.964)	47086	10.0000	10
36 Methyl Ethyl Ketone	72	8.745	8.745	(0.961)	253977	10.0000	9.8
* 37 Bromochloromethane	128	9.097	9.097	(1.000)	592030	10.0000	
38 Tetrahydrofuran	42	9.135	9.135	(0.869)	412432	10.0000	11
39 Chloroform	83	9.183	9.183	(1.009)	958384	10.0000	10
40 Cyclohexane	84	9.434	9.434	(0.897)	770486	10.0000	10
41 1,1,1-Trichloroethane	97	9.423	9.423	(0.896)	1000515	10.0000	10
42 Carbon tetrachloride	117	9.626	9.626	(0.916)	1067726	10.0000	10
43 2,2,4-Trimethylpentane	57	9.925	9.925	(0.944)	2207136	10.0000	11
44 Benzene	78	9.951	9.951	(0.947)	1623606	10.0000	10
45 1,2-Dichloroethane	62	10.058	10.058	(0.957)	530805	10.0000	10
46 n-Heptane	43	10.186	10.186	(0.969)	688527	10.0000	11
* 47 1,4-Difluorobenzene	114	10.512	10.512	(1.000)	2803317	10.0000	
48 n-Butanol	56	10.821	10.821	(1.029)	203639	10.0000	9.6
49 Trichloroethene	95	10.875	10.875	(1.035)	721076	10.0000	10
50 1,2-Dichloropropane	63	11.232	11.232	(1.069)	540346	10.0000	10
51 Methyl methacrylate	69	11.312	11.312	(1.076)	545843	10.0000	11
52 Dibromomethane	174	11.424	11.424	(1.087)	733373	10.0000	9.8
53 1,4-Dioxane	88	11.414	11.414	(1.086)	282645	10.0000	11
54 Bromodichloromethane	83	11.600	11.600	(1.104)	1071861	10.0000	10
55 1,3-Dichloropropene (cis)	75	12.230	12.230	(1.163)	861428	10.0000	11
56 Methyl isobutyl ketone	43	12.417	12.417	(1.181)	827465	10.0000	11
57 n-Octane	43	12.668	12.668	(1.205)	979487	10.0000	11
58 Toluene	92	12.657	12.657	(0.864)	1315209	10.0000	10
59 1,3-Dichloropropene (trans)	75	13.031	13.031	(1.240)	862772	10.0000	11
60 1,1,2-Trichloroethane	83	13.292	13.292	(0.907)	598342	10.0000	10
61 Tetrachloroethene	166	13.420	13.420	(0.916)	1166048	10.0000	9.5

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	13.602	13.602	(0.929)	777710	10.0000	11
63 Dibromochloromethane	129	13.847	13.847	(0.945)	1317151	10.0000	10
64 1,2-Dibromoethane	107	14.050	14.050	(0.959)	1181657	10.0000	10
* 65 Chlorobenzene-d5	117	14.648	14.648	(1.000)	2656278	10.0000	
66 Chlorobenzene	112	14.690	14.690	(1.003)	1880756	10.0000	9.8
67 n-Nonane	57	14.819	14.819	(1.012)	1109682	10.0000	11
68 Ethylbenzene	91	14.771	14.771	(1.008)	2750394	10.0000	10
69 Xylene (m,p)	106	14.925	14.925	(1.019)	2524431	20.0000	21
M 70 Xylenes, Total	106				3704451	10.0000	31
71 Xylene (o)	106	15.459	15.459	(1.055)	1180020	10.0000	11
72 Styrene	104	15.486	15.486	(1.057)	1794744	10.0000	11
73 Bromoform	173	15.774	15.774	(1.077)	1413653	10.0000	10
74 Isopropylbenzene	105	15.886	15.886	(1.085)	3253000	10.0000	10
75 1,1,2,2-Tetrachloroethane	83	16.313	16.313	(1.114)	1631956	10.0000	10
76 n-Propylbenzene	91	16.382	16.382	(1.118)	3949492	10.0000	11
77 1,2,3-Trichloropropane	75	16.393	16.393	(1.119)	1189841	10.0000	11
78 n-Decane	57	16.478	16.478	(1.125)	1431075	10.0000	11
79 4-Ethyltoluene	105	16.516	16.516	(1.128)	3472957	10.0000	11
80 2-Chlorotoluene	91	16.542	16.542	(1.129)	2908506	10.0000	10
81 1,3,5-Trimethylbenzene	105	16.585	16.585	(1.132)	2786925	10.0000	10
82 Alpha Methyl Styrene	118	16.857	16.857	(1.151)	1259033	10.0000	9.7
83 tert-butylbenzene	119	16.953	16.953	(1.157)	2745055	10.0000	10
84 1,2,4-Trimethylbenzene	105	17.023	17.023	(1.162)	2802515	10.0000	11
85 sec-Butylbenzene	105	17.199	17.199	(1.174)	4155604	10.0000	11
86 4-Isopropyltoluene	119	17.348	17.348	(1.184)	3531735	10.0000	11
87 1,3-Dichlorobenzene	146	17.407	17.407	(1.188)	2132949	10.0000	10
88 1,4-Dichlorobenzene	146	17.514	17.514	(1.196)	2163721	10.0000	10
89 Benzyl chloride	91	17.658	17.658	(1.205)	2229027	10.0000	11
90 Undecane	57	17.818	17.818	(1.216)	1473707	10.0000	12
91 n-Butylbenzene	91	17.823	17.823	(1.217)	3135170	10.0000	11
92 1,2-Dichlorobenzene	146	17.962	17.962	(1.226)	2016925	10.0000	10
93 Dodecane	57	19.157	19.157	(1.308)	991735	10.0000	13
94 1,2,4-Trichlorobenzene	180	20.113	20.113	(1.373)	1431730	10.0000	11
95 1,3-Hexachlorobutadiene	225	20.268	20.268	(1.384)	1186787	10.0000	10
96 Naphthalene	128	20.534	20.534	(1.402)	2909089	10.0000	12
97 1,2,3-Trichlorobenzene	180	20.956	20.956	(1.431)	1218301	10.0000	13

Data File: bky07.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icis 474906
Lab Sample ID: icis 474906

Date: 03-APR-2013 19:33
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkyto15.b/bky08.d
Lab Smp Id: ic 474940
Inj Date : 03-APR-2013 20:26
Operator : pad
Smp Info : ic 474940
Misc Info : 200,1, level 5
Comment :
Method : /chem/B.i/Bsvr.p/bkyto15.b/to15v5.m
Meth Date : 04-Apr-2013 12:52 pd
Cal Date : 03-APR-2013 20:26
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: B.i
Quant Type: ISTD
Cal File: bky08.d
Calibration Sample, Level: 5
Compound Sublist: allT015.sub

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		2.965	2.965	(0.326)	185068	15.0000	13
2 Dichlorodifluoromethane	85		3.013	3.013	(0.331)	1533703	15.0000	14
3 Chlorodifluoromethane	51		3.045	3.045	(0.335)	529955	15.0000	14
4 1,2-Dichloro-1,1,2,2-tetraflu	85		3.200	3.200	(0.352)	1562156	15.0000	14
5 Chloromethane	50		3.307	3.301	(0.363)	294462	15.0000	14
6 Butane	43		3.445	3.446	(0.379)	476521	15.0000	14
7 Vinyl chloride	62		3.477	3.478	(0.382)	467475	15.0000	15
8 1,3-Butadiene	54		3.531	3.531	(0.388)	314409	15.0000	15
9 Bromomethane	94		4.064	4.065	(0.447)	822336	15.0000	14
10 Chloroethane	64		4.257	4.257	(0.468)	369554	15.0000	14
11 2-Methylbutane	43		4.331	4.326	(0.476)	621086	15.0000	14
12 Vinyl bromide	106		4.625	4.620	(0.508)	966709	15.0000	15
13 Trichlorofluoromethane	101		4.716	4.710	(0.518)	2060086	15.0000	15
14 Pentane	43		4.844	4.844	(0.532)	1040291	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	5.212	5.212	(0.573)	300332	20.0000	20
16 Ethyl ether	59	5.313	5.319	(0.584)	522525	15.0000	15
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.698	5.698	(0.626)	1700454	15.0000	15
18 Acrolein	56	5.655	5.660	(0.622)	285533	15.0000	15
19 1,1-Dichloroethene	96	5.762	5.756	(0.633)	830518	15.0000	15
20 Acetone	43	5.938	5.938	(0.653)	798081	15.0000	14
21 Carbon disulfide	76	6.167	6.167	(0.678)	2389344	15.0000	15
22 Isopropanol	45	6.210	6.215	(0.683)	698768	15.0000	15
23 Allyl chloride	41	6.445	6.445	(0.708)	673022	15.0000	15
24 Acetonitrile	41	6.519	6.520	(0.717)	480852	15.0000	15
25 Methylene chloride	49	6.701	6.701	(0.737)	664705	15.0000	14
26 Tert-butyl alcohol	59	6.914	6.925	(0.760)	1153071	15.0000	15
27 Methyl tert-butyl ether	73	7.074	7.080	(0.778)	2138418	15.0000	15
28 1,2-Dichloroethene (trans)	61	7.101	7.101	(0.781)	1050341	15.0000	15
29 Acrylonitrile	53	7.181	7.187	(0.789)	502086	15.0000	15
30 n-Hexane	57	7.432	7.432	(0.817)	1166941	15.0000	15
31 1,1-Dichloroethane	63	7.832	7.833	(0.861)	1314199	15.0000	15
32 Vinyl acetate	43	7.864	7.865	(0.864)	1477578	15.0000	15
M 33 1,2-Dichloroethene,Total	61				2024304	30.0000	30
34 1,2-Dichloroethene (cis)	96	8.734	8.734	(0.960)	973963	15.0000	15
35 Ethyl acetate	88	8.766	8.772	(0.964)	80892	15.0000	15
36 Methyl Ethyl Ketone	72	8.745	8.745	(0.961)	424393	15.0000	14(Q)
* 37 Bromochloromethane	128	9.097	9.097	(1.000)	672146	10.0000	
38 Tetrahydrofuran	42	9.135	9.135	(0.869)	671400	15.0000	15
39 Chloroform	83	9.183	9.183	(1.009)	1607163	15.0000	15
40 Cyclohexane	84	9.433	9.434	(0.897)	1309003	15.0000	16
41 1,1,1-Trichloroethane	97	9.423	9.423	(0.896)	1700384	15.0000	15
42 Carbon tetrachloride	117	9.631	9.626	(0.916)	1839050	15.0000	15
43 2,2,4-Trimethylpentane	57	9.924	9.925	(0.944)	3656934	15.0000	16
44 Benzene	78	9.951	9.951	(0.947)	2714467	15.0000	15
45 1,2-Dichloroethane	62	10.058	10.058	(0.957)	861859	15.0000	15
46 n-Heptane	43	10.186	10.186	(0.969)	1112939	15.0000	15
* 47 1,4-Difluorobenzene	114	10.511	10.512	(1.000)	3180060	10.0000	
48 n-Butanol	56	10.805	10.821	(1.028)	374634	15.0000	16
49 Trichloroethene	95	10.869	10.875	(1.034)	1224443	15.0000	15
50 1,2-Dichloropropane	63	11.232	11.232	(1.069)	905405	15.0000	15
51 Methyl methacrylate	69	11.307	11.312	(1.076)	922783	15.0000	16
52 Dibromomethane	174	11.419	11.424	(1.086)	1327966	15.0000	16
53 1,4-Dioxane	88	11.408	11.414	(1.085)	457044	15.0000	15
54 Bromodichloromethane	83	11.600	11.600	(1.104)	1809267	15.0000	16
55 1,3-Dichloropropene (cis)	75	12.230	12.230	(1.163)	1466388	15.0000	16
56 Methyl isobutyl ketone	43	12.411	12.417	(1.181)	1350592	15.0000	16
57 n-Octane	43	12.668	12.668	(1.205)	1528568	15.0000	15
58 Toluene	92	12.652	12.657	(0.864)	2246297	15.0000	15
59 1,3-Dichloropropene (trans)	75	13.025	13.031	(1.239)	1466180	15.0000	16
60 1,1,2-Trichloroethane	83	13.292	13.292	(0.907)	1003414	15.0000	15
61 Tetrachloroethene	166	13.420	13.420	(0.916)	2100194	15.0000	15

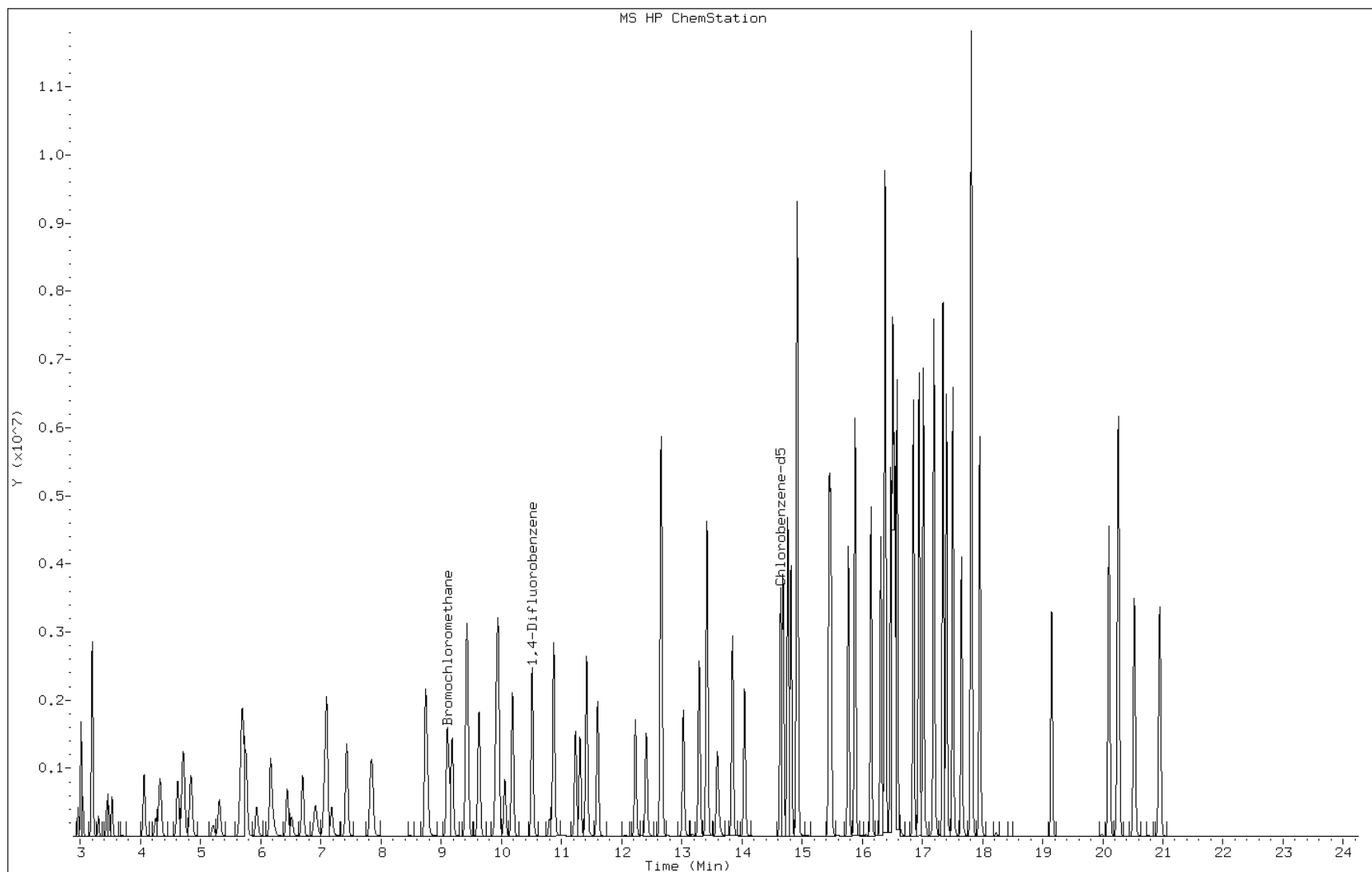
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.596	13.602	(0.928)	1271585	15.0000	16
63 Dibromochloromethane	129	13.847	13.847	(0.945)	2302610	15.0000	16
64 1,2-Dibromoethane	107	14.045	14.050	(0.959)	2034099	15.0000	15
* 65 Chlorobenzene-d5	117	14.648	14.648	(1.000)	3000016	10.0000	
66 Chlorobenzene	112	14.685	14.690	(1.003)	3224158	15.0000	15
67 n-Nonane	57	14.818	14.819	(1.012)	1792475	15.0000	15
68 Ethylbenzene	91	14.765	14.771	(1.008)	4682003	15.0000	15
69 Xylene (m,p)	106	14.920	14.925	(1.019)	4327768	30.0000	32
M 70 Xylenes, Total	106				6357726	15.0000	48
71 Xylene (o)	106	15.453	15.459	(1.055)	2029958	15.0000	16
72 Styrene	104	15.480	15.486	(1.057)	3179375	15.0000	17
73 Bromoform	173	15.774	15.774	(1.077)	2554507	15.0000	16
74 Isopropylbenzene	105	15.886	15.886	(1.085)	5578000	15.0000	16
75 1,1,2,2-Tetrachloroethane	83	16.313	16.313	(1.114)	2708830	15.0000	15
76 n-Propylbenzene	91	16.382	16.382	(1.118)	6607732	15.0000	16
77 1,2,3-Trichloropropane	75	16.387	16.393	(1.119)	1925492	15.0000	15
78 n-Decane	57	16.478	16.478	(1.125)	2244191	15.0000	15
79 4-Ethyltoluene	105	16.510	16.516	(1.127)	5982613	15.0000	16
80 2-Chlorotoluene	91	16.542	16.542	(1.129)	4859034	15.0000	15
81 1,3,5-Trimethylbenzene	105	16.585	16.585	(1.132)	4681612	15.0000	15
82 Alpha Methyl Styrene	118	16.857	16.857	(1.151)	2681039	15.0000	18
83 tert-butylbenzene	119	16.948	16.953	(1.157)	4623863	15.0000	16
84 1,2,4-Trimethylbenzene	105	17.017	17.023	(1.162)	4702923	15.0000	16
85 sec-Butylbenzene	105	17.193	17.199	(1.174)	6994243	15.0000	16
86 4-Isopropyltoluene	119	17.348	17.348	(1.184)	6077428	15.0000	16
87 1,3-Dichlorobenzene	146	17.407	17.407	(1.188)	3657613	15.0000	16
88 1,4-Dichlorobenzene	146	17.514	17.514	(1.196)	3706584	15.0000	16
89 Benzyl chloride	91	17.652	17.658	(1.205)	3752038	15.0000	16
90 Undecane	57	17.812	17.818	(1.216)	2213046	15.0000	16
91 n-Butylbenzene	91	17.823	17.823	(1.217)	5117858	15.0000	16
92 1,2-Dichlorobenzene	146	17.956	17.962	(1.226)	3416184	15.0000	15
93 Dodecane	57	19.147	19.157	(1.307)	1557703	15.0000	18
94 1,2,4-Trichlorobenzene	180	20.102	20.113	(1.372)	2438548	15.0000	17
95 1,3-Hexachlorobutadiene	225	20.257	20.268	(1.383)	2108231	15.0000	16
96 Naphthalene	128	20.524	20.534	(1.401)	4817506	15.0000	18
97 1,2,3-Trichlorobenzene	180	20.945	20.956	(1.430)	2009849	15.0000	19

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: bky08.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 474940
Lab Sample ID: ic 474940

Date: 03-APR-2013 20:26
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkyto15.b/bky09.d
Lab Smp Id: ic 474941
Inj Date : 03-APR-2013 21:18
Operator : pad
Smp Info : ic 474941
Misc Info : 200,1, level 6
Comment :
Method : /chem/B.i/Bsvr.p/bkyto15.b/to15v5.m
Meth Date : 04-Apr-2013 12:52 pd
Cal Date : 03-APR-2013 21:18
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: B.i
Quant Type: ISTD
Cal File: bky09.d
Calibration Sample, Level: 6
Compound Sublist: allT015.sub

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	2.965	2.965	(0.326)	241309	20.0000	16
2 Dichlorodifluoromethane	85	3.013	3.013	(0.331)	2024830	20.0000	18
3 Chlorodifluoromethane	51	3.045	3.045	(0.335)	689678	20.0000	17
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.200	3.200	(0.352)	2039470	20.0000	17
5 Chloromethane	50	3.301	3.301	(0.363)	388960	20.0000	17
6 Butane	43	3.446	3.446	(0.379)	623564	20.0000	17
7 Vinyl chloride	62	3.478	3.478	(0.382)	602216	20.0000	18
8 1,3-Butadiene	54	3.531	3.531	(0.388)	409976	20.0000	18
9 Bromomethane	94	4.065	4.065	(0.447)	1122019	20.0000	18
10 Chloroethane	64	4.257	4.257	(0.468)	505110	20.0000	18
11 2-Methylbutane	43	4.331	4.326	(0.476)	838908	20.0000	18
12 Vinyl bromide	106	4.620	4.620	(0.508)	1378142	20.0000	19
13 Trichlorofluoromethane	101	4.716	4.710	(0.518)	2908777	20.0000	19
14 Pentane	43	4.844	4.844	(0.532)	1417267	20.0000	18

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.207	5.212	(0.572)	696616	40.0000	43
16 Ethyl ether	59	5.313	5.319	(0.584)	744428	20.0000	20
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.698	5.698	(0.626)	2476881	20.0000	20
18 Acrolein	56	5.655	5.660	(0.622)	398773	20.0000	20
19 1,1-Dichloroethene	96	5.762	5.756	(0.633)	1213440	20.0000	20
20 Acetone	43	5.933	5.938	(0.652)	1099800	20.0000	18
21 Carbon disulfide	76	6.167	6.167	(0.678)	3461262	20.0000	20
22 Isopropanol	45	6.205	6.215	(0.682)	998414	20.0000	20
23 Allyl chloride	41	6.445	6.445	(0.708)	948107	20.0000	19
24 Acetonitrile	41	6.514	6.520	(0.716)	657802	20.0000	19
25 Methylene chloride	49	6.701	6.701	(0.737)	930101	20.0000	18
26 Tert-butyl alcohol	59	6.909	6.925	(0.759)	1668977	20.0000	20
27 Methyl tert-butyl ether	73	7.075	7.080	(0.778)	3059786	20.0000	20
28 1,2-Dichloroethene (trans)	61	7.107	7.101	(0.781)	1482821	20.0000	20
29 Acrylonitrile	53	7.181	7.187	(0.789)	697331	20.0000	20
30 n-Hexane	57	7.432	7.432	(0.817)	1649842	20.0000	20
31 1,1-Dichloroethane	63	7.832	7.833	(0.861)	1863888	20.0000	20
32 Vinyl acetate	43	7.864	7.865	(0.864)	2044327	20.0000	20
M 33 1,2-Dichloroethene,Total	61				2898684	40.0000	40
34 1,2-Dichloroethene (cis)	96	8.740	8.734	(0.961)	1415863	20.0000	21
35 Ethyl acetate	88	8.772	8.772	(0.964)	117763	20.0000	21
36 Methyl Ethyl Ketone	72	8.745	8.745	(0.961)	600923	20.0000	19(Q)
* 37 Bromochloromethane	128	9.097	9.097	(1.000)	725464	10.0000	
38 Tetrahydrofuran	42	9.129	9.135	(0.868)	918148	20.0000	19
39 Chloroform	83	9.183	9.183	(1.009)	2310390	20.0000	20
40 Cyclohexane	84	9.434	9.434	(0.897)	1883966	20.0000	21
41 1,1,1-Trichloroethane	97	9.423	9.423	(0.896)	2464152	20.0000	21
42 Carbon tetrachloride	117	9.631	9.626	(0.916)	2685422	20.0000	21
43 2,2,4-Trimethylpentane	57	9.925	9.925	(0.944)	5103882	20.0000	21
44 Benzene	78	9.951	9.951	(0.946)	3894478	20.0000	20
45 1,2-Dichloroethane	62	10.058	10.058	(0.956)	1220091	20.0000	20
46 n-Heptane	43	10.186	10.186	(0.969)	1532168	20.0000	20
* 47 1,4-Difluorobenzene	114	10.517	10.512	(1.000)	3384189	10.0000	
48 n-Butanol	56	10.800	10.821	(1.027)	559040	20.0000	22
49 Trichloroethene	95	10.869	10.875	(1.033)	1779099	20.0000	21
50 1,2-Dichloropropane	63	11.232	11.232	(1.068)	1270890	20.0000	20
51 Methyl methacrylate	69	11.307	11.312	(1.075)	1310096	20.0000	21
52 Dibromomethane	174	11.424	11.424	(1.086)	2003673	20.0000	22
53 1,4-Dioxane	88	11.403	11.414	(1.084)	657374	20.0000	20
54 Bromodichloromethane	83	11.600	11.600	(1.103)	2575991	20.0000	21
55 1,3-Dichloropropene (cis)	75	12.230	12.230	(1.163)	2083055	20.0000	22
56 Methyl isobutyl ketone	43	12.412	12.417	(1.180)	1874951	20.0000	21
57 n-Octane	43	12.668	12.668	(1.204)	2027531	20.0000	19
58 Toluene	92	12.652	12.657	(0.864)	3193880	20.0000	22
59 1,3-Dichloropropene (trans)	75	13.031	13.031	(1.239)	2060105	20.0000	21
60 1,1,2-Trichloroethane	83	13.292	13.292	(0.907)	1432436	20.0000	21
61 Tetrachloroethene	166	13.420	13.420	(0.916)	3196504	20.0000	23

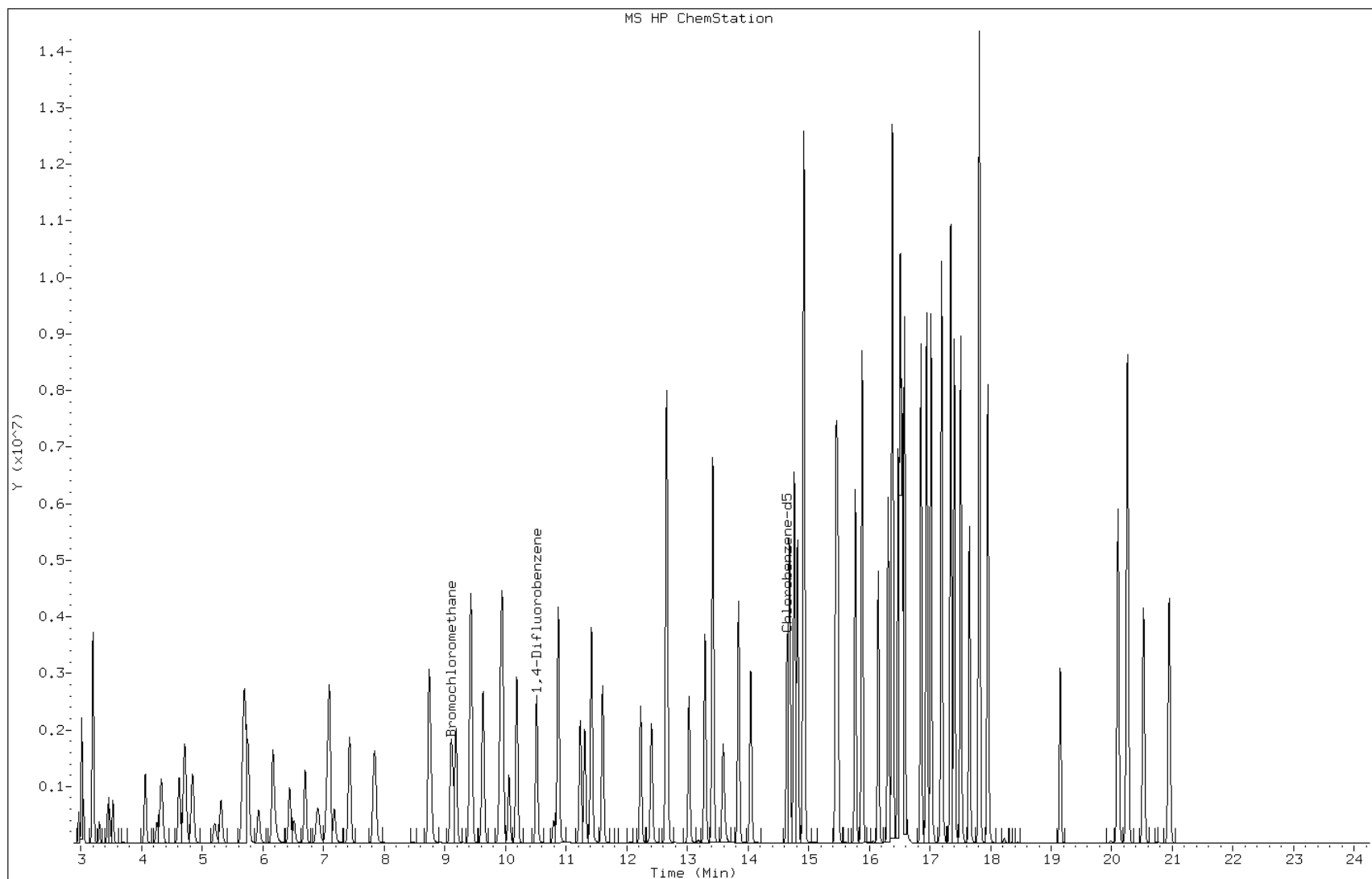
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.591	13.602	(0.928)	1756126	20.0000	21
63 Dibromochloromethane	129	13.847	13.847	(0.945)	3381109	20.0000	23
64 1,2-Dibromoethane	107	14.045	14.050	(0.959)	2906857	20.0000	22
* 65 Chlorobenzene-d5	117	14.648	14.648	(1.000)	3033764	10.0000	
66 Chlorobenzene	112	14.685	14.690	(1.003)	4615059	20.0000	21
67 n-Nonane	57	14.818	14.819	(1.012)	2437217	20.0000	20
68 Ethylbenzene	91	14.765	14.771	(1.008)	6642216	20.0000	21
69 Xylene (m,p)	106	14.925	14.925	(1.019)	6067411	40.0000	44
M 70 Xylenes, Total	106				8972684	20.0000	67
71 Xylene (o)	106	15.454	15.459	(1.055)	2905273	20.0000	23
72 Styrene	104	15.480	15.486	(1.057)	4487150	20.0000	23
73 Bromoform	173	15.774	15.774	(1.077)	3807857	20.0000	24
74 Isopropylbenzene	105	15.886	15.886	(1.085)	8016179	20.0000	22
75 1,1,2,2-Tetrachloroethane	83	16.313	16.313	(1.114)	3743828	20.0000	21
76 n-Propylbenzene	91	16.382	16.382	(1.118)	8917165	20.0000	22
77 1,2,3-Trichloropropane	75	16.393	16.393	(1.119)	2566368	20.0000	20
78 n-Decane	57	16.478	16.478	(1.125)	2916541	20.0000	20
79 4-Ethyltoluene	105	16.510	16.516	(1.127)	8283527	20.0000	22
80 2-Chlorotoluene	91	16.542	16.542	(1.129)	6729347	20.0000	21
81 1,3,5-Trimethylbenzene	105	16.585	16.585	(1.132)	6592574	20.0000	21
82 Alpha Methyl Styrene	118	16.857	16.857	(1.151)	3761932	20.0000	25
83 tert-butylbenzene	119	16.948	16.953	(1.157)	6605353	20.0000	22
84 1,2,4-Trimethylbenzene	105	17.023	17.023	(1.162)	6540332	20.0000	22
85 sec-Butylbenzene	105	17.193	17.199	(1.174)	9738662	20.0000	22
86 4-Isopropyltoluene	119	17.348	17.348	(1.184)	8643748	20.0000	23
87 1,3-Dichlorobenzene	146	17.407	17.407	(1.188)	5192876	20.0000	22
88 1,4-Dichlorobenzene	146	17.514	17.514	(1.196)	5223363	20.0000	22
89 Benzyl chloride	91	17.652	17.658	(1.205)	5180072	20.0000	22
90 Undecane	57	17.812	17.818	(1.216)	2570620	20.0000	18
91 n-Butylbenzene	91	17.823	17.823	(1.217)	6683881	20.0000	21
92 1,2-Dichlorobenzene	146	17.957	17.962	(1.226)	4860737	20.0000	22
93 Dodecane	57	19.147	19.157	(1.307)	1441297	20.0000	16
94 1,2,4-Trichlorobenzene	180	20.102	20.113	(1.372)	3262151	20.0000	22
95 1,3-Hexachlorobutadiene	225	20.257	20.268	(1.383)	3036472	20.0000	23
96 Naphthalene	128	20.524	20.534	(1.401)	5873695	20.0000	21
97 1,2,3-Trichlorobenzene	180	20.945	20.956	(1.430)	2620530	20.0000	24

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: bky09.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 474941
Lab Sample ID: ic 474941

Date: 03-APR-2013 21:18
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkyto15.b/bky10.d
Lab Smp Id: ic 474963
Inj Date : 03-APR-2013 22:10
Operator : pad
Smp Info : ic 474963
Misc Info : 200,1, level 7
Comment :
Method : /chem/B.i/Bsvr.p/bkyto15.b/to15v5.m
Meth Date : 04-Apr-2013 12:52 pd
Cal Date : 03-APR-2013 22:10
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: B.i
Quant Type: ISTD
Cal File: bky10.d
Calibration Sample, Level: 7
Compound Sublist: allT015.sub

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		2.965	2.965	(0.326)	440370	40.0000	27
2 Dichlorodifluoromethane	85		3.013	3.013	(0.331)	3709680	40.0000	29
3 Chlorodifluoromethane	51		3.040	3.045	(0.334)	1275197	40.0000	28
4 1,2-Dichloro-1,1,2,2-tetraflu	85		3.200	3.200	(0.352)	3632919	40.0000	28
5 Chloromethane	50		3.301	3.301	(0.363)	718880	40.0000	28
6 Butane	43		3.445	3.446	(0.378)	1112752	40.0000	27
7 Vinyl chloride	62		3.477	3.478	(0.382)	1101319	40.0000	29
8 1,3-Butadiene	54		3.531	3.531	(0.388)	754489	40.0000	30
9 Bromomethane	94		4.064	4.065	(0.447)	2126191	40.0000	31
10 Chloroethane	64		4.257	4.257	(0.468)	963583	40.0000	32
11 2-Methylbutane	43		4.326	4.326	(0.475)	1555801	40.0000	29
12 Vinyl bromide	106		4.619	4.620	(0.507)	2774936	40.0000	35
13 Trichlorofluoromethane	101		4.716	4.710	(0.518)	5833669	40.0000	34
14 Pentane	43		4.844	4.844	(0.532)	2678065	40.0000	31

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.212	5.212	(0.573)	1677848	100.000	92
16 Ethyl ether	59	5.308	5.319	(0.583)	1498304	40.0000	36
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.698	5.698	(0.626)	5085700	40.0000	37
18 Acrolein	56	5.655	5.660	(0.621)	808281	40.0000	36
19 1,1-Dichloroethene	96	5.762	5.756	(0.633)	2498365	40.0000	37
20 Acetone	43	5.927	5.938	(0.651)	2167423	40.0000	32
21 Carbon disulfide	76	6.167	6.167	(0.678)	6990148	40.0000	36
22 Isopropanol	45	6.210	6.215	(0.682)	1933083	40.0000	34
23 Allyl chloride	41	6.445	6.445	(0.708)	1872894	40.0000	34
24 Acetonitrile	41	6.514	6.520	(0.716)	1310275	40.0000	34
25 Methylene chloride	49	6.701	6.701	(0.736)	1803241	40.0000	32
26 Tert-butyl alcohol	59	6.904	6.925	(0.758)	3306714	40.0000	36
27 Methyl tert-butyl ether	73	7.069	7.080	(0.777)	6251395	40.0000	38
28 1,2-Dichloroethene (trans)	61	7.106	7.101	(0.781)	2902654	40.0000	35
29 Acrylonitrile	53	7.181	7.187	(0.789)	1445278	40.0000	37
30 n-Hexane	57	7.432	7.432	(0.816)	3234471	40.0000	35
31 1,1-Dichloroethane	63	7.832	7.833	(0.860)	3709353	40.0000	35
32 Vinyl acetate	43	7.864	7.865	(0.864)	4030256	40.0000	35
M 33 1,2-Dichloroethene,Total	61				5804829	80.0000	73
34 1,2-Dichloroethene (cis)	96	8.740	8.734	(0.960)	2902175	40.0000	38
35 Ethyl acetate	88	8.772	8.772	(0.964)	243159	40.0000	38
36 Methyl Ethyl Ketone	72	8.745	8.745	(0.961)	1200958	40.0000	34(Q)
* 37 Bromochloromethane	128	9.102	9.097	(1.000)	805227	10.0000	
38 Tetrahydrofuran	42	9.129	9.135	(0.868)	1794935	40.0000	35
39 Chloroform	83	9.188	9.183	(1.009)	4695294	40.0000	36
40 Cyclohexane	84	9.433	9.434	(0.897)	3743307	40.0000	39
41 1,1,1-Trichloroethane	97	9.428	9.423	(0.896)	5054129	40.0000	39
42 Carbon tetrachloride	117	9.631	9.626	(0.916)	5636532	40.0000	40
43 2,2,4-Trimethylpentane	57	9.924	9.925	(0.944)	9669379	40.0000	36
44 Benzene	78	9.951	9.951	(0.946)	7671419	40.0000	37
45 1,2-Dichloroethane	62	10.058	10.058	(0.956)	2440850	40.0000	37
46 n-Heptane	43	10.186	10.186	(0.969)	2876237	40.0000	34
* 47 1,4-Difluorobenzene	114	10.517	10.512	(1.000)	3692220	10.0000	
48 n-Butanol	56	10.789	10.821	(1.026)	1138130	40.0000	41(A)
49 Trichloroethene	95	10.874	10.875	(1.034)	3619994	40.0000	38
50 1,2-Dichloropropane	63	11.237	11.232	(1.068)	2504540	40.0000	36
51 Methyl methacrylate	69	11.312	11.312	(1.076)	2670036	40.0000	40(A)
52 Dibromomethane	174	11.424	11.424	(1.086)	4489240	40.0000	46(A)
53 1,4-Dioxane	88	11.403	11.414	(1.084)	1277974	40.0000	36
54 Bromodichloromethane	83	11.605	11.600	(1.104)	5255389	40.0000	39
55 1,3-Dichloropropene (cis)	75	12.230	12.230	(1.163)	4276490	40.0000	41(A)
56 Methyl isobutyl ketone	43	12.406	12.417	(1.180)	3641005	40.0000	37
57 n-Octane	43	12.673	12.668	(1.205)	3374319	40.0000	29
58 Toluene	92	12.652	12.657	(0.864)	6069824	40.0000	37
59 1,3-Dichloropropene (trans)	75	13.030	13.031	(1.239)	4297311	40.0000	41(A)
60 1,1,2-Trichloroethane	83	13.292	13.292	(0.907)	2863886	40.0000	37
61 Tetrachloroethene	166	13.425	13.420	(0.917)	7045373	40.0000	45(A)

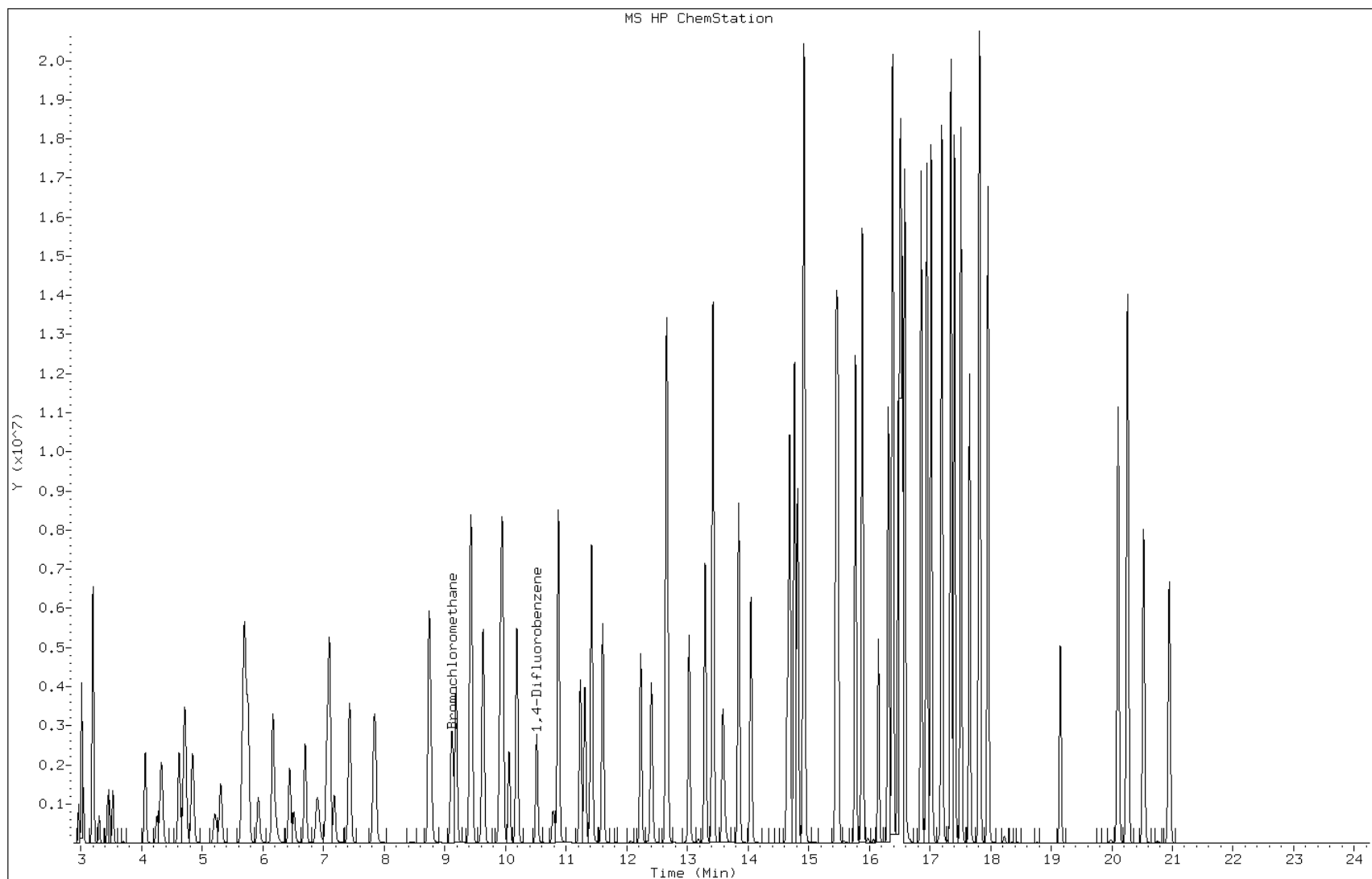
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.585	13.602	(0.927)	3516599	40.0000	38
63 Dibromochloromethane	129	13.847	13.847	(0.945)	7190927	40.0000	43(A)
64 1,2-Dibromoethane	107	14.050	14.050	(0.959)	6090844	40.0000	41(A)
* 65 Chlorobenzene-d5	117	14.648	14.648	(1.000)	3407241	10.0000	
66 Chlorobenzene	112	14.690	14.690	(1.003)	9695784	40.0000	39
67 n-Nonane	57	14.818	14.819	(1.012)	4427833	40.0000	33
68 Ethylbenzene	91	14.770	14.771	(1.008)	13264377	40.0000	38
69 Xylene (m,p)	106	14.925	14.925	(1.019)	11264934	80.0000	73
M 70 Xylenes, Total	106				17085338	40.0000	110
71 Xylene (o)	106	15.459	15.459	(1.055)	5820404	40.0000	40(A)
72 Styrene	104	15.485	15.486	(1.057)	9153921	40.0000	43(A)
73 Bromoform	173	15.774	15.774	(1.077)	8199579	40.0000	47(A)
74 Isopropylbenzene	105	15.886	15.886	(1.085)	15668241	40.0000	39
75 1,1,2,2-Tetrachloroethane	83	16.318	16.313	(1.114)	7143794	40.0000	35
76 n-Propylbenzene	91	16.382	16.382	(1.118)	15412862	40.0000	33
77 1,2,3-Trichloropropane	75	16.398	16.393	(1.119)	4411424	40.0000	31
78 n-Decane	57	16.483	16.478	(1.125)	4975998	40.0000	30
79 4-Ethyltoluene	105	16.515	16.516	(1.128)	15336521	40.0000	36
80 2-Chlorotoluene	91	16.547	16.542	(1.130)	12983510	40.0000	36
81 1,3,5-Trimethylbenzene	105	16.585	16.585	(1.132)	12901031	40.0000	37
82 Alpha Methyl Styrene	118	16.857	16.857	(1.151)	7992293	40.0000	48(A)
83 tert-butylbenzene	119	16.953	16.953	(1.157)	13321191	40.0000	40
84 1,2,4-Trimethylbenzene	105	17.022	17.023	(1.162)	13098251	40.0000	39
85 sec-Butylbenzene	105	17.199	17.199	(1.174)	18334270	40.0000	36
86 4-Isopropyltoluene	119	17.348	17.348	(1.184)	16657130	40.0000	39
87 1,3-Dichlorobenzene	146	17.407	17.407	(1.188)	11245440	40.0000	42(A)
88 1,4-Dichlorobenzene	146	17.513	17.514	(1.196)	11371393	40.0000	43(A)
89 Benzyl chloride	91	17.658	17.658	(1.205)	11241362	40.0000	42(A)
90 Undecane	57	17.812	17.818	(1.216)	3966129	40.0000	25
91 n-Butylbenzene	91	17.828	17.823	(1.217)	11072313	40.0000	31
92 1,2-Dichlorobenzene	146	17.962	17.962	(1.226)	10719307	40.0000	42(A)
93 Dodecane	57	19.147	19.157	(1.307)	2410329	40.0000	24
94 1,2,4-Trichlorobenzene	180	20.102	20.113	(1.372)	6412809	40.0000	39
95 1,3-Hexachlorobutadiene	225	20.257	20.268	(1.383)	5278126	40.0000	36
96 Naphthalene	128	20.523	20.534	(1.401)	11559052	40.0000	37
97 1,2,3-Trichlorobenzene	180	20.945	20.956	(1.430)	4178624	40.0000	35

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: bky10.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 474963
Lab Sample ID: ic 474963

Date: 03-APR-2013 22:10
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 480-35521-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-53355/4	gia04.d
Level 2	IC 200-53355/19	gia19.d
Level 3	IC 200-53355/6	gia06.d
Level 4	IC 200-53355/20	gia20.d
Level 5	ICIS 200-53355/8	gia08.d
Level 6	IC 200-53355/9	gia09.d
Level 7	IC 200-53355/10	gia10.d
Level 8	IC 200-53355/11	gia11.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	++++ 0.3035	++++ 0.3077	0.4411 0.2913	0.3159	0.3095	Ave		0.3281				17.0		30.0			
Dichlorodifluoromethane	++++ 2.1176	++++ 2.1533	2.3382 1.9415	2.2684	2.2194	Ave		2.1731				6.4		30.0			
Freon 22	++++ 0.9278	++++ 0.9467	1.0605 0.8597	0.9782	0.9614	Ave		0.9557				6.9		30.0			
1,2-Dichlorotetrafluoroethane	++++ 1.9959	2.0559 2.1156	2.1876 1.8092	2.1574	2.0978	Ave		2.0599				6.2		30.0			
Chloromethane	++++ 0.4191	++++ 0.4505	0.4955 0.4024	0.4365	0.4389	Ave		0.4405				7.2		30.0			
n-Butane	++++ 0.6071	++++ 0.6284	0.6264 0.5745	0.6336	0.6270	Ave		0.6162				3.6		30.0			
Vinyl chloride	0.8856 0.5534	0.5580 0.5692	0.6139 0.5206	0.5847	0.5811	Ave		0.6083				18.9		30.0			
1,3-Butadiene	++++ 0.3389	0.2569 0.3525	0.3362 0.3204	0.3528	0.3435	Ave		0.3287				10.2		30.0			
Bromomethane	++++ 0.7809	0.8574 0.8049	0.8745 0.7160	0.8520	0.8151	Ave		0.8144				6.7		30.0			
Chloroethane	++++ 0.2446	++++ 0.2391	0.3083 0.2213	0.2539	0.2665	Ave		0.2556				11.7		30.0			
Isopentane	++++ 0.4534	0.4480 0.4728	0.5437 0.4346	0.4850	0.5131	Ave		0.4786				8.1		30.0			
Bromoethene (Vinyl Bromide)	++++ 0.7974	0.8040 0.8053	0.9682 0.7529	0.8419	0.9552	Ave		0.8464				9.8		30.0			
Trichlorofluoromethane	++++ 2.3451	2.4294 2.3237	2.6845 2.1663	2.5293	2.7752	Ave		2.4648				8.7		30.0			
n-Pentane	++++ 0.6668	++++ 0.6682	0.6436 0.6450	0.6916	0.7625	Ave		0.6796				6.5		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.: 480-35521-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

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								
Ethanol	+++++ 0.1446	+++++ 0.1593	0.1446 0.1414	0.1664	0.1664	Ave		0.1538				7.5		30.0			
Ethyl ether	+++++ 0.2758	0.2534 0.2765	0.2904 0.2742	0.2939	0.3090	Ave		0.2819				6.3		30.0			
Acrolein	+++++ 0.1525	+++++ 0.1548	0.1556	0.1527	0.1679	Ave		0.1567				4.1		30.0			
Freon TF	+++++ 1.4914	1.4748 1.4840	1.6053 1.3806	1.5997	1.7469	Ave		1.5404				7.8		30.0			
1,1-Dichloroethene	+++++ 0.6120	0.5941 0.6097	0.6568 0.5667	0.6545	0.7206	Ave		0.6306				8.1		30.0			
Acetone	+++++ 0.6160	+++++ 0.6214	0.6021	0.6634	0.7020	Ave		0.6410				6.4		30.0			
Carbon disulfide	+++++ 1.7821	+++++ 1.7780	1.9678 1.7033	1.8965	1.8931	Ave		1.8368				5.3		30.0			
Isopropyl alcohol	+++++ 0.4684	+++++ 0.4727	0.4425	0.4478	0.4755	Ave		0.4614				3.3		30.0			
3-Chloropropene	+++++ 0.4961	0.4708 0.5013	0.4865 0.4994	0.5510	0.5235	Ave		0.5041				5.2		30.0			
Acetonitrile	+++++ 0.2915	+++++ 0.2989	0.2745	0.2501	0.2760	Ave		0.2782				6.8		30.0			
Methylene Chloride	+++++ 0.5487	+++++ 0.5479	0.6571 0.5230	0.5852	0.5647	Ave		0.5711				8.2		30.0			
tert-Butyl alcohol	+++++ 0.8131	+++++ 0.8166	0.7753	0.7641	0.8288	Ave		0.7996				3.5		30.0			
trans-1,2-Dichloroethene	+++++ 0.8336	0.8179 0.8266	0.9140 0.7776	0.8887	0.8460	Ave		0.8435				5.4		30.0			
Methyl tert-butyl ether	+++++ 1.4767	1.4544 1.4806	1.5215 1.4081	1.5706	1.4837	Ave		1.4851				3.4		30.0			
Acrylonitrile	+++++ 0.2749	+++++ 0.2779	0.2708 0.2799	0.2889	0.2848	Ave		0.2795				2.4		30.0			
n-Hexane	+++++ 0.6360	0.6468 0.6452	0.5920 0.6168	0.6624	0.6388	Ave		0.6340				3.6		30.0			
1,1-Dichloroethane	1.3244 1.0409	0.9797 1.0393	1.1038 0.9970	1.0823	1.0516	Ave		1.0774				10.0		30.0			
Vinyl acetate	+++++ 0.8823	+++++ 0.8970	0.9242	0.8966	0.8575	Ave		0.8915				2.7		30.0			
cis-1,2-Dichloroethene	+++++ 0.7983	0.8938 0.7843	0.8567 0.7530	0.8364	0.7979	Ave		0.8172				5.9		30.0			
Methyl Ethyl Ketone	+++++ 0.2163	+++++ 0.2159	0.2964 0.2221	0.2284	0.2141	Ave		0.2322				13.7		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.: 480-35521-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

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								
Ethyl acetate	+++++ 0.0364	+++++ 0.0370	0.0389	0.0377	0.0368	Ave		0.0374				2.6		30.0			
Tetrahydrofuran	+++++ 0.0712	+++++ 0.0719	0.0661	0.0784	0.0765	Ave		0.0728				6.6		30.0			
Chloroform	+++++ 1.8477	1.9654 1.7962	1.9993 1.7725	1.9531	1.8472	Ave		1.8831				4.7		30.0			
1,1,1-Trichloroethane	+++++ 0.3825	0.3903 0.3822	0.4653 0.3327	0.4311	0.4234	Ave		0.4011				10.7		30.0			
Cyclohexane	+++++ 0.1600	0.1666 0.1596	0.1922 0.1403	0.1789	0.1784	Ave		0.1680				10.1		30.0			
Carbon tetrachloride	0.5710 0.4552	0.4500 0.4556	0.5275 0.4073	0.5048	0.5007	Ave		0.4840				10.7		30.0			
Benzene	+++++ 0.3985	0.4666 0.3912	0.5049 0.3862	0.4400	0.4126	Ave		0.4286				10.3		30.0			
2,2,4-Trimethylpentane	+++++ 0.4919	0.5335 0.4936	0.5782 0.4754	0.5402	0.5368	Ave		0.5214				6.9		30.0			
1,2-Dichloroethane	+++++ 0.2028	0.2229 0.1948	0.2479 0.1978	0.2238	0.2107	Ave		0.2144				8.7		30.0			
n-Heptane	+++++ 0.1623	0.1962 0.1618	0.1850 0.1607	0.1756	0.1686	Ave		0.1729				7.8		30.0			
n-Butanol	+++++ 0.0435	+++++ 0.0461	0.0498	0.0447	0.0478	Ave		0.0464				5.3		30.0			
Trichloroethene	0.4627 0.2587	0.2981 0.2464	0.3310 0.2454	0.3100	0.2691	Ave		0.3027				23.7		30.0			
1,2-Dichloropropane	+++++ 0.1650	0.1842 0.1638	0.1967 0.1683	0.1787	0.1701	Ave		0.1753				6.9		30.0			
Methyl methacrylate	+++++ 0.1318	+++++ 0.1438	0.1116 0.1407	0.1431	0.1373	Ave		0.1347				9.0		30.0			
1,4-Dioxane	+++++ 0.0774	+++++ 0.0820	0.0680	0.0775	0.0883	Ave		0.0786				9.4		30.0			
Dibromomethane	+++++ 0.2464	0.2821 0.2424	0.3100 0.2266	0.2902	0.2646	Ave		0.2660				11.2		30.0			
Bromodichloromethane	+++++ 0.4854	0.4468 0.4544	0.4979 0.4599	0.5004	0.4769	Ave		0.4745				4.5		30.0			
cis-1,3-Dichloropropene	+++++ 0.3095	0.3019 0.2653	0.3254 0.2750	0.2955	0.2771	Ave		0.2928				7.3		30.0			
methyl isobutyl ketone	+++++ 0.2773	+++++ 0.2372	0.2374 0.2325	0.2600	0.2537	Ave		0.2497				6.9		30.0			
Toluene	+++++ 0.3970	0.4182 0.3348	0.4458 0.3564	0.3597	0.3480	Ave		0.3800				10.8		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.: 480-35521-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

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								
n-Octane	+++++ 0.3221	0.3743 0.2723	0.3410 0.2467	0.3023	0.2884	Ave		0.3067				14.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.2896	0.2682 0.2517	0.2768 0.2450	0.2763	0.2663	Ave		0.2677				5.7		30.0			
1,1,2-Trichloroethane	+++++ 0.1883	0.1894 0.1598	0.2062 0.1673	0.1708	0.1683	Ave		0.1786				9.2		30.0			
Tetrachloroethene	+++++ 0.3806	0.4198 0.3198	0.4557 0.3286	0.3667	0.3477	Ave		0.3741				13.2		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.1929	+++++ 0.1657	0.1569 0.1898	0.1736	0.1805	Ave		0.1766				7.9		30.0			
Dibromochloromethane	+++++ 0.4425	0.3825 0.4127	0.4153 0.4436	0.4360	0.4314	Ave		0.4234				5.1		30.0			
1,2-Dibromoethane	+++++ 0.3283	0.3519 0.2989	0.3686 0.3349	0.3779	0.3448	Ave		0.3436				7.7		30.0			
Chlorobenzene	+++++ 0.4778	0.6119 0.4836	0.6193 0.4950	0.5565	0.4998	Ave		0.5348				11.4		30.0			
Ethylbenzene	+++++ 0.7212	0.8026 0.7290	0.8296 0.7382	0.7809	0.7416	Ave		0.7633				5.4		30.0			
n-Nonane	+++++ 0.2330	0.3843 0.2389	0.2609 0.2292	0.2325	0.2632	Ave		0.2631				21.0		30.0			
m,p-Xylene	+++++ 0.2862	0.3291 0.2928	0.3553 0.2808	0.2970	0.3027	Ave		0.3063				8.7		30.0			
Xylene, o-	+++++ 0.3130	0.3283 0.3010	0.3608 0.3229	0.3151	0.3656	Ave		0.3295				7.5		30.0			
Styrene	+++++ 0.4036	0.3246 0.3897	0.3588 0.4441	0.3806	0.4457	Ave		0.3925				11.2		30.0			
Bromoform	+++++ 0.3497	0.2684 0.3317	0.3266 0.3678	0.3300	0.3799	Ave		0.3363				10.7		30.0			
Cumene	+++++ 0.9337	0.9229 0.8578	1.0831 0.9977	0.8830	1.0137	Ave		0.9560				8.3		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.4314	0.4066 0.3910	0.5089 0.4616	0.3996	0.4811	Ave		0.4400				10.2		30.0			
1,2,3-Trichloropropane	+++++ 0.2992	+++++ 0.2762	0.3607 0.3304	0.2973	0.3407	Ave		0.3174				10.0		30.0			
n-Propylbenzene	+++++ 0.9859	0.9342 0.8657	1.0239 1.0142	0.8795	1.0265	Ave		0.9614				7.1		30.0			
2-Chlorotoluene	+++++ 0.6909	0.6945 0.6041	0.8148 0.6746	0.6597	0.7437	Ave		0.6975				9.6		30.0			
4-Ethyltoluene	+++++ 0.8227	0.7436 0.7283	0.8336 0.8331	0.7499	0.8793	Ave		0.7987				7.2		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.: 480-35521-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

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								
n-Decane	++++ 0.2753	++++ 0.2443	0.3018 0.2944	0.1740	0.3156	Ave		0.2676				19.5		30.0			
1,3,5-Trimethylbenzene	++++ 0.7230	0.7018 0.6686	0.8097 0.7921	0.6820	0.7942	Ave		0.7388				8.0		30.0			
Alpha Methyl Styrene	++++ 0.3674	0.2034 0.3222	0.2251 0.4064	0.2772	0.3546	Ave		0.3080				24.6		30.0			
tert-Butylbenzene	++++ 0.7936	0.7766 0.6722	0.8812 0.7860	0.7058	0.8104	Ave		0.7751				8.9		30.0			
1,2,4-Trimethylbenzene	++++ 0.7408	0.6355 0.6332	0.7082 0.7626	0.6134	0.7558	Ave		0.6928				9.2		30.0			
sec-Butylbenzene	++++ 1.1041	1.0579 0.9309	1.1788 1.0867	0.9548	1.1267	Ave		1.0628				8.5		30.0			
4-Isopropyltoluene	++++ 0.8900	0.8204 0.7462	0.8675 0.8484	0.7307	0.9125	Ave		0.8308				8.4		30.0			
1,3-Dichlorobenzene	++++ 0.4268	0.4065 0.3560	0.4347 0.4302	0.3660	0.4368	Ave		0.4081				8.3		30.0			
1,4-Dichlorobenzene	++++ 0.3986	0.3720 0.3529	0.3806 0.4716	0.3293	0.3967	Ave		0.3860				11.7		30.0			
Benzyl chloride	++++ 0.4001	0.3274 0.3635	0.2848 0.5159	0.3232	0.3969	Ave		0.3731				20.2		30.0			
n-Butylbenzene	++++ 0.6450	0.5467 0.5525	0.5299 0.6914	0.4359	0.6422	Ave		0.5777				15.1		30.0			
n-Undecane	++++ 0.2187	++++ 0.1679	0.2432	0.0515	0.2438	Ave		0.1850				43.6	*	30.0			
1,2-Dichlorobenzene	++++ 0.4491	0.4361 0.3875	0.4518 0.4772	0.3919	0.4558	Ave		0.4356				7.7		30.0			
n-Dodecane	++++ 0.1194	++++ 0.0676	0.1344	0.0086	0.1475	Ave		0.0955				60.0	*	30.0			
1,2,4-Trichlorobenzene	++++ 0.1133	++++ 0.1052	0.0945 0.1558	0.0643	0.1197	Ave		0.1088				27.7		30.0			
Hexachlorobutadiene	++++ 0.2100	0.2496 0.1899	0.2758 0.1884	0.1543	0.2252	Ave		0.2133				19.2		30.0			
Naphthalene	++++ 0.3022	++++ 0.2505	0.2262 0.4040	0.1271	0.3148	Ave		0.2708				34.5	*	30.0			
1,2,3-Trichlorobenzene	++++ 0.1145	0.1153 0.0965	0.1096 0.1472	0.0644	0.1224	Ave		0.1100				23.0		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.: 480-35521-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-53355/4	gia04.d
Level 2	IC 200-53355/19	gia19.d
Level 3	IC 200-53355/6	gia06.d
Level 4	IC 200-53355/20	gia20.d
Level 5	ICIS 200-53355/8	gia08.d
Level 6	IC 200-53355/9	gia09.d
Level 7	IC 200-53355/10	gia10.d
Level 8	IC 200-53355/11	gia11.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	++++ 154800	++++ 209480	7091 412019	50439	101506	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	++++ 1080049	++++ 1466145	37591 2746117	362230	727989	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	++++ 473234	++++ 644582	17049 1216017	156205	315343	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1018006	13267 1440514	35170 2558901	344505	688105	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	++++ 213750	++++ 306730	7966 569135	69696	143969	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	++++ 309625	++++ 427853	10070 812570	101182	205668	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	1181 282245	3601 387556	9870 736367	93374	190605	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	++++ 172866	1658 239995	5405 453174	56341	112665	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	++++ 398270	5533 548055	14059 1012744	136056	267355	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	++++ 124750	++++ 162831	4957 313009	40550	87428	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	++++ 231233	2891 321923	8741 614685	77452	168286	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 406698	5188 548326	15565 1064947	134436	313302	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	++++ 1196104	15677 1582195	43159 3064045	403876	910307	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Pentane	BCM	Ave	++++ 340079	++++ 455004	10347 912223	110437	250095	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Ethanol	BCM	Ave	++++ 98335	++++ 216961	23242 499848	53150	81852	++++ 20.0	++++ 40.0	5.00 100	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 480-35521-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

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
Ethyl ether	BCM	Ave	++++ 140666	1635 188247	4669 387766	46930	101370	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	++++ 77767	3834 105388	220140	24384	55070	++++ 15.0	++++ 20.0	40.0	5.00	10.0
Freon TF	BCM	Ave	++++ 760660	9517 1010454	25809 1952675	255438	573009	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	++++ 312147	3834 415152	10560 801561	104507	236353	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	++++ 314203	++++ 423138	851671	105931	230273	++++ 15.0	++++ 20.0	40.0	5.00	10.0
Carbon disulfide	BCM	Ave	++++ 908956	++++ 1210614	31636 2409182	302843	620947	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	++++ 238902	++++ 321845	625855	71509	155985	++++ 15.0	++++ 20.0	40.0	5.00	10.0
3-Chloropropene	BCM	Ave	++++ 253043	3038 341321	7822 706298	87981	171703	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	++++ 148685	++++ 203511	388288	39940	90538	++++ 15.0	++++ 20.0	40.0	5.00	10.0
Methylene Chloride	BCM	Ave	++++ 279881	++++ 373080	10564 739781	93444	185231	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	++++ 414728	++++ 555999	1096601	122015	271848	++++ 15.0	++++ 20.0	40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	++++ 425178	5278 562823	14695 1099857	141905	277483	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	++++ 753168	9385 1008108	24462 1991611	250804	486679	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	++++ 140228	++++ 189218	4353 395941	46135	93423	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Hexane	BCM	Ave	++++ 324360	4174 439291	9518 872381	105766	209542	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	1766 530910	6322 707650	17746 1410155	172826	344934	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	++++ 450014	++++ 610751	1307219	143177	281268	++++ 15.0	++++ 20.0	40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	++++ 407166	5768 534046	13774 1065012	133557	261705	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	++++ 110325	++++ 147004	4766 314088	36477	70236	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	++++ 18586	++++ 25165	55063	6019	12072	++++ 15.0	++++ 20.0	40.0	5.00	10.0
Tetrahydrofuran	DFB	Ave	++++ 215847	++++ 289591	611330	70385	140040	++++ 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.: 480-35521-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

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
Chloroform	BCM	Ave	++++ 942395	12683 1223043	32143 2507012	311880	605891	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	++++ 1159755	14626 1539320	39578 3075962	387029	774793	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	++++ 485142	6243 642638	16348 1296968	160588	326561	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	4574 1380306	16862 1834819	44870 3765200	453193	916369	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	++++ 1208230	17484 1575290	42948 3570394	394981	755064	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	++++ 1491580	19994 1987583	49185 4395047	484951	982386	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	++++ 614895	8352 784303	21086 1828440	200932	385632	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	++++ 492095	7352 651670	15740 1485893	157655	308515	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	++++ 131980	++++ 185822	459949	40101	87509	++++ 15.0	++++ 20.0	40.0	5.00	10.0
Trichloroethene	DFB	Ave	3707 784285	11171 992438	28159 2269025	278271	492519	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	++++ 500225	6904 659691	16735 1555845	160397	311260	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	++++ 399639	++++ 579076	9493 1300880	128440	251271	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	++++ 234580	++++ 330037	628926	69558	161563	++++ 15.0	++++ 20.0	40.0	5.00	10.0
Dibromomethane	DFB	Ave	++++ 747261	10570 976000	26370 2094473	260557	484261	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	++++ 1471822	16742 1829948	42349 4251725	449188	872696	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	++++ 938557	11314 1068287	27680 2542410	265254	507102	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
methyl isobutyl ketone	DFB	Ave	++++ 840871	++++ 955412	20191 2148937	233381	464236	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	++++ 1396008	18274 1629964	42307 3439202	404866	764617	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	++++ 976618	14027 1096478	29010 2280860	271370	527739	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	++++ 878078	10050 1013643	23542 2264478	248069	487428	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	++++ 662202	8277 777819	19568 1614745	192286	369732	++++ 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.: 480-35521-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

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	++++ 1338303	18340 1556983	43247 3171142	412725	763812	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 678155	++++ 806581	14891 1832078	195385	396452	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	++++ 1555739	16711 2009358	39411 4280722	490691	947690	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	++++ 1154350	15374 1455043	34978 3232578	425314	757497	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	++++ 1680080	26734 2354200	58777 4777232	626292	1098106	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	++++ 2535770	35066 3548888	78736 7124171	878902	1629241	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	++++ 819128	16789 1162983	24762 2211578	261645	578136	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m,p-Xylene	CBZ	Ave	++++ 2012360	28756 2851037	67445 5420663	668461	1330015	++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
Xylene, o-	CBZ	Ave	++++ 1100687	14344 1465346	34243 3116311	354697	803282	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	++++ 1419171	14184 1897251	34052 4286418	428318	979233	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	++++ 1229486	11728 1614761	30995 3549222	371395	834540	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	++++ 3283146	40324 4176229	102787 9628345	993804	2226953	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	++++ 1516869	17764 1903682	48293 4455150	449731	1056917	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	++++ 1051860	++++ 1344618	34230 3189122	334596	748575	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	++++ 3466609	40818 4214664	97176 9788291	989823	2255088	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	++++ 2429146	30343 2941079	77329 6510419	742538	1633958	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	++++ 2892898	32490 3545619	79113 8040643	844054	1931865	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	++++ 967988	++++ 1189231	28644 2841002	195854	693293	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	++++ 2542258	30662 3254922	76839 7644814	767554	1744780	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Alpha Methyl Styrene	CBZ	Ave	++++ 1291928	8885 1568774	21361 3922590	311942	778951	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butylbenzene	CBZ	Ave	++++ 2790327	33933 3272320	83626 7585737	794352	1780351	++++ 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.: 480-35521-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

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
1,2,4-Trimethylbenzene	CBZ	Ave	++++ 2604766	27765 3082403	67210 7360100	690397	1660475	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	++++ 3882236	46221 4531928	111870 10487522	1074649	2475326	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	++++ 3129548	35847 3632935	82325 8187922	822434	2004753	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	++++ 1500640	17763 1732896	41254 4151730	411876	959653	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	++++ 1401697	16255 1717899	36121 4551837	370677	871479	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	++++ 1406799	14306 1769436	27026 4978868	363725	871891	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	++++ 2268050	23888 2689886	50289 6672429	490552	1410831	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Undecane	CBZ	Ave	++++ 769125	++++ 817485	++++ 2346694	58014	535649	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	++++ 1579113	19056 1886412	42880 4605539	441040	1001339	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	++++ 420000	++++ 328929	++++ 1296795	9634	324132	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 398472	++++ 512232	8973 1503231	72320	262901	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	++++ 738354	10907 924644	26170 1818570	173643	494742	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	++++ 1062712	++++ 1219451	21464 3898847	143088	691639	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	++++ 402684	5039 470003	10405 1420767	72511	268808	++++ 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/G.i/Gsvr.p/giato15.b/gia04.d
Lab Smp Id: IC 469273
Inj Date : 23-MAR-2013 17:53
Operator : BL
Smp Info : IC 469273
Misc Info : 40,1
Comment :
Method : /chem/G.i/Gsvr.p/giato15.b/to15v5.m
Meth Date : 28-Mar-2013 13:52 jd1
Cal Date : 23-MAR-2013 17:53
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gia04.d
Calibration Sample, Level: 8
Compound Sublist: allT015.sub

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 MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						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	3.686	3.691	(0.361)	1181	0.04000	0.058(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 (ppb v/v)	ON-COL (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	8.634	8.634	(0.847)	1766	0.04000	0.049(aM)
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	10.196	10.196	(1.000)	333371	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	10.924	10.929	(0.894)	4574	0.04000	0.047(a)
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	12.218	12.224	(1.000)	2002771	10.0000	
48 n-Butanol	56				Compound Not Detected.		
49 Trichloroethene	95	12.721	12.716	(1.041)	3707	0.04000	0.061(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.		

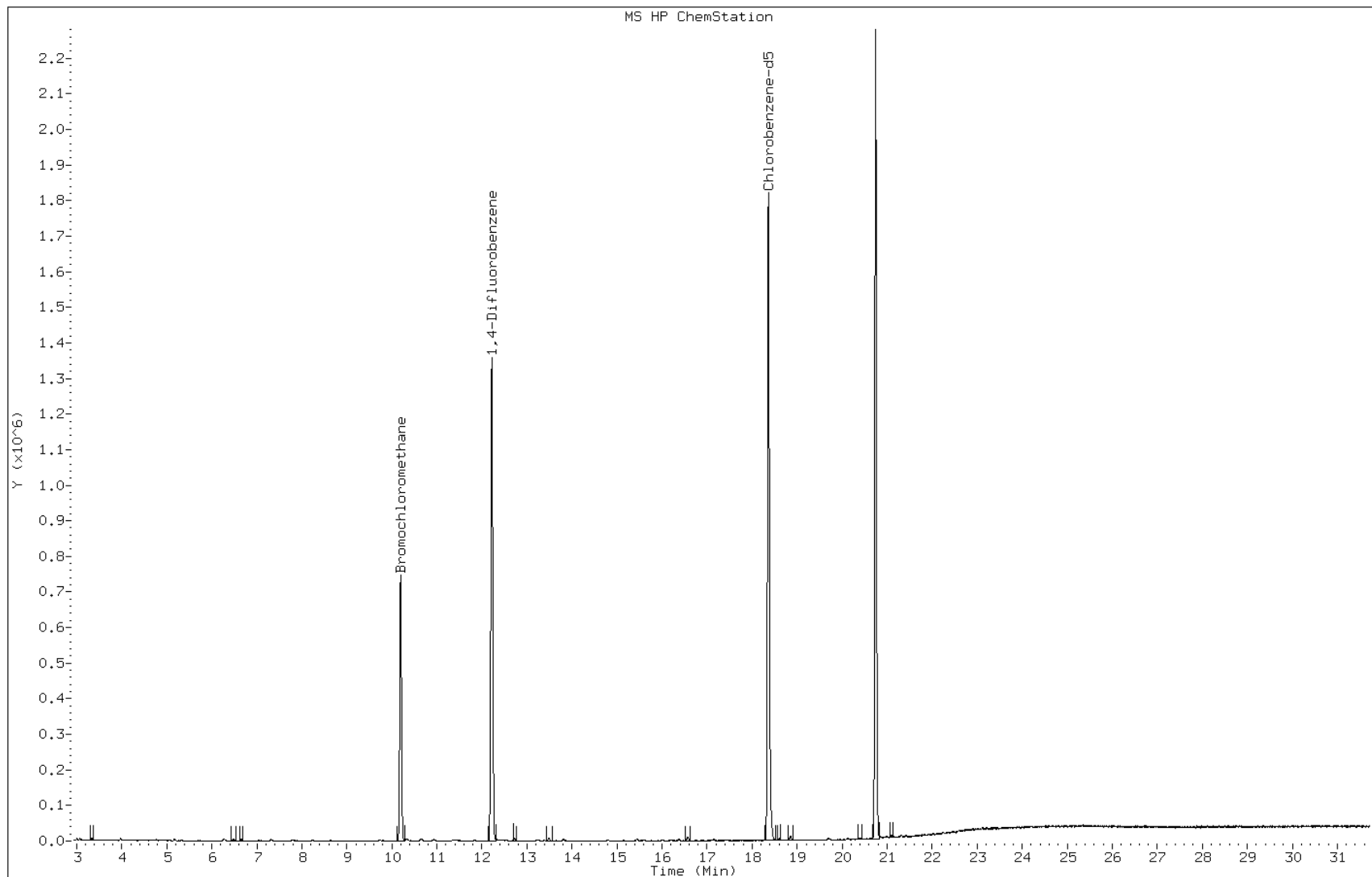
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43				Compound Not Detected.		
63 Dibromochloromethane	129				Compound Not Detected.		
64 1,2-Dibromoethane	107				Compound Not Detected.		
* 65 Chlorobenzene-d5	117	18.360	18.360	(1.000)	2019178	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).
- M - Compound response manually integrated.

Data File: gia04.d
Client ID:
Operator: BL
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 469273
Lab Sample ID: IC 469273

Date: 23-MAR-2013 17:53
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



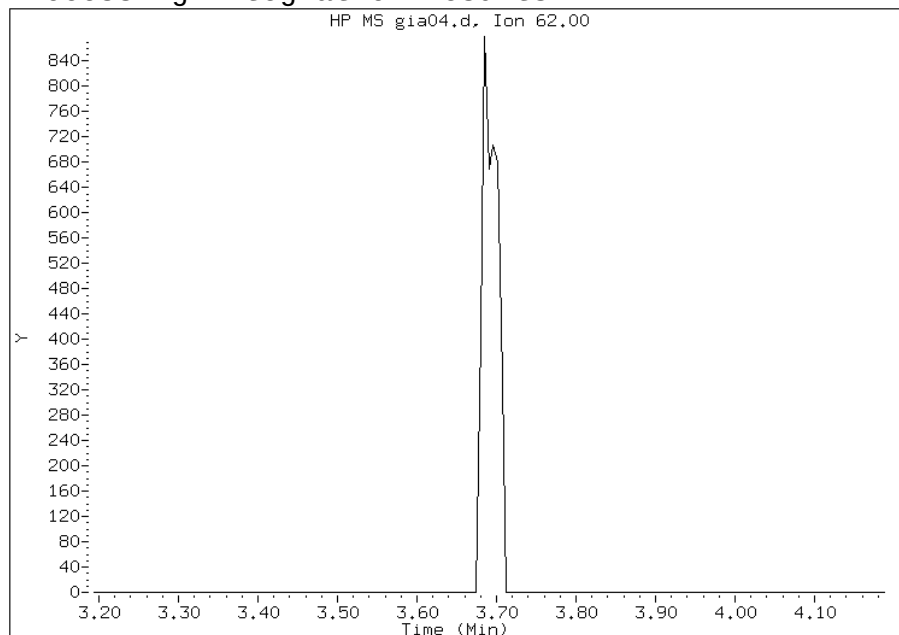
Manual Integration Report

Data File: gia04.d
Lab Sample ID: IC 469273
Inj. Date and Time: 23-MAR-2013 17:53
Instrument ID: G.i
Client ID:
Compound: 7 Vinyl chloride
CAS #: 75-01-4
Report Date: 03/29/2013

Processing Integration Results

Not Detected

Expected RT: 3.69



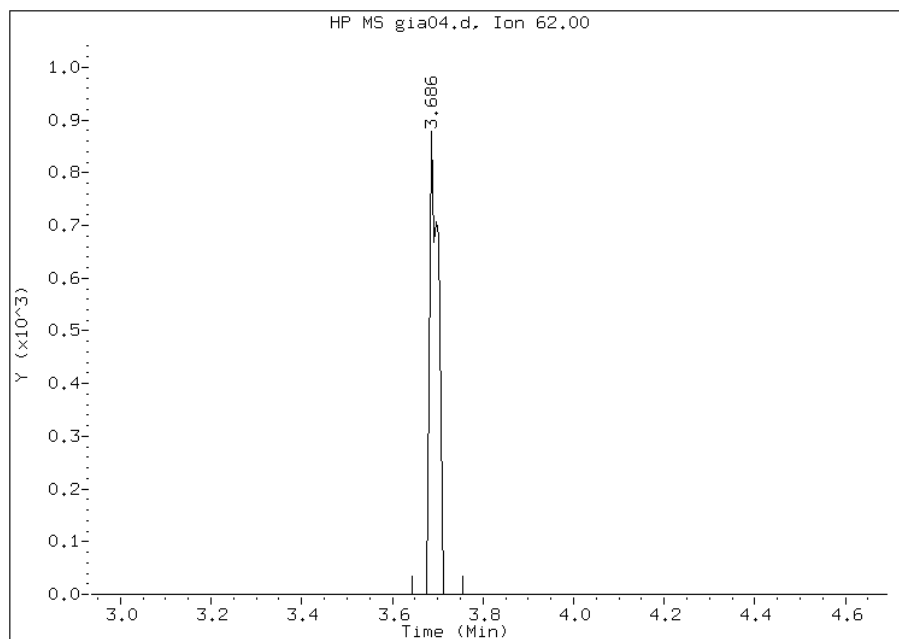
Manual Integration Results

RT: 3.69

Response: 1181

Amount: 0.058235

Conc: 0.058235



File Uploaded By: jd1

Manual Integration Reason: Peak not found by the data system

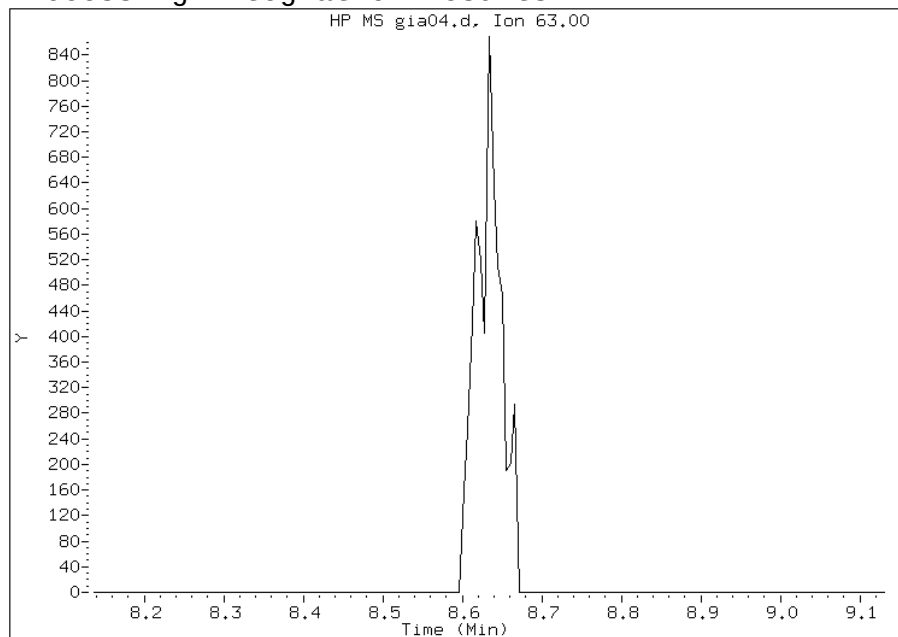
Manual Integration Report

Data File: gia04.d
Lab Sample ID: IC 469273
Inj. Date and Time: 23-MAR-2013 17:53
Instrument ID: G.i
Client ID:
Compound: 31 1,1-Dichloroethane
CAS #: 75-34-3
Report Date: 03/29/2013

Not Detected

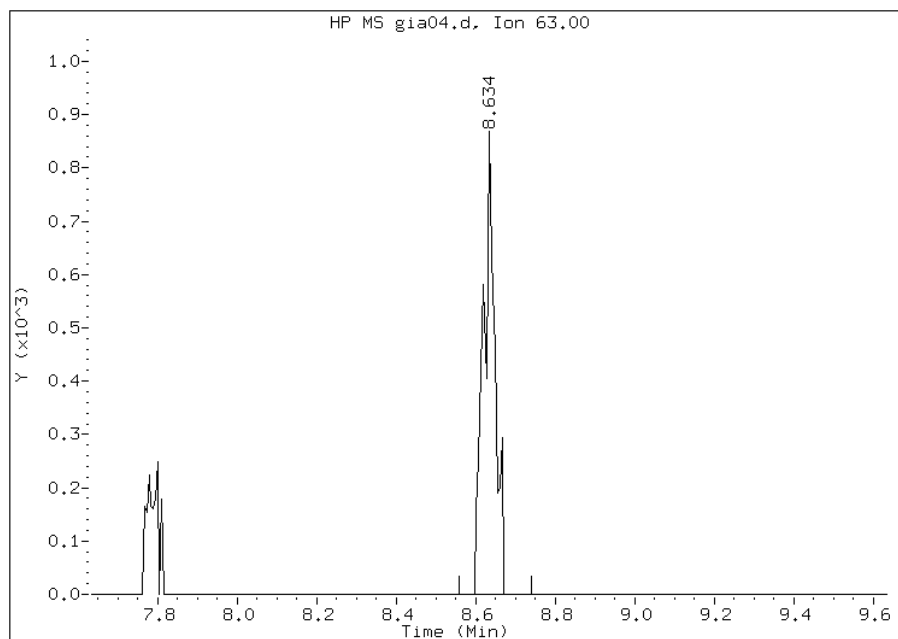
Expected RT: 8.63

Processing Integration Results



Manual Integration Results

RT: 8.63
Response: 1766
Amount: 0.049170
Conc: 0.049170



File Uploaded By: jdl
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/giato15.b/gia06.d
Lab Smp Id: IC 463765
Inj Date : 23-MAR-2013 19:33
Operator : BL
Smp Info : IC 463765
Misc Info : 200,1
Comment :
Method : /chem/G.i/Gsvr.p/giato15.b/to15v5.m
Meth Date : 25-Mar-2013 11:24 lyonsb
Cal Date : 23-MAR-2013 19:33
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gia06.d
Calibration Sample, Level: 2
Compound Sublist: allT015.sub

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	3.001	3.001	(0.294)	7091	0.50000	0.67(a)	
2 Dichlorodifluoromethane	85	3.071	3.070	(0.301)	37591	0.50000	0.54	
3 Chlorodifluoromethane	51	3.113	3.113	(0.305)	17049	0.50000	0.55	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.333	3.333	(0.327)	35170	0.50000	0.53	
5 Chloromethane	50	3.450	3.450	(0.339)	7966	0.50000	0.56	
6 Butane	43	3.664	3.659	(0.360)	10070	0.50000	0.51	
7 Vinyl chloride	62	3.696	3.691	(0.363)	9870	0.50000	0.50	
8 1,3-Butadiene	54	3.771	3.771	(0.370)	5405	0.50000	0.51	
9 Bromomethane	94	4.424	4.424	(0.434)	14059	0.50000	0.54	
10 Chloroethane	64	4.659	4.659	(0.457)	4957	0.50000	0.60	
11 2-Methylbutane	43	4.772	4.772	(0.468)	8741	0.50000	0.57	
12 Vinyl bromide	106	5.045	5.044	(0.495)	15565	0.50000	0.57	
13 Trichlorofluoromethane	101	5.168	5.173	(0.507)	43159	0.50000	0.54	
14 Pentane	43	5.339	5.333	(0.524)	10347	0.50000	0.47(aM)	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.708	5.702 (0.560)		23242	5.00000	4.7(a)
16 Ethyl ether	59	5.858	5.836 (0.575)		4669	0.50000	0.52
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.259	6.264 (0.614)		25809	0.50000	0.52
18 Acrolein	56	Compound Not Detected.					
19 1,1-Dichloroethene	96	6.275	6.275 (0.616)		10560	0.50000	0.52
20 Acetone	43	6.468	6.457 (0.635)		29462	0.50000	1.4(a)
21 Carbon disulfide	76	6.649	6.655 (0.652)		31636	0.50000	0.54
22 Isopropanol	45	5.847	6.783 (0.574)		4081	0.50000	0.28(a)
23 Allyl chloride	41	7.040	7.040 (0.691)		7822	0.50000	0.48(a)
24 Acetonitrile	41	7.083	7.072 (0.695)		3940	0.50000	0.44(aQH)
25 Methylene chloride	49	7.318	7.318 (0.718)		10564	0.50000	0.58
26 Tert-butyl alcohol	59	Compound Not Detected.					
27 Methyl tert-butyl ether	73	7.810	7.783 (0.766)		24462	0.50000	0.51
28 1,2-Dichloroethene (trans)	61	7.789	7.789 (0.764)		14695	0.50000	0.54
29 Acrylonitrile	53	7.853	7.853 (0.771)		4353	0.50000	0.48(a)
30 n-Hexane	57	8.233	8.238 (0.808)		9518	0.50000	0.47
31 1,1-Dichloroethane	63	8.629	8.634 (0.847)		17746	0.50000	0.53
32 Vinyl acetate	43	8.730	8.730 (0.857)		11405	0.50000	0.40(a)
M 33 1,2-Dichloroethene,Total	61				28469	1.00000	1.1
34 1,2-Dichloroethene (cis)	96	9.742	9.741 (0.956)		13774	0.50000	0.52
35 Ethyl acetate	88	Compound Not Detected.					
36 Methyl Ethyl Ketone	72	9.784	9.774 (0.960)		4766	0.50000	0.64
* 37 Bromochloromethane	128	10.191	10.196 (1.000)		321541	10.0000	
38 Tetrahydrofuran	42	10.255	10.239 (0.839)		6587	0.50000	0.53(a)
39 Chloroform	83	10.341	10.346 (1.015)		32143	0.50000	0.53
40 Cyclohexane	84	10.678	10.672 (0.874)		16348	0.50000	0.57
41 1,1,1-Trichloroethane	97	10.646	10.651 (0.871)		39578	0.50000	0.58
42 Carbon tetrachloride	117	10.924	10.929 (0.894)		44870	0.50000	0.54
43 2,2,4-Trimethylpentane	57	11.432	11.432 (0.936)		49185	0.50000	0.55
44 Benzene	78	11.357	11.362 (0.930)		42948	0.50000	0.59
45 1,2-Dichloroethane	62	11.507	11.502 (0.942)		21086	0.50000	0.58
46 n-Heptane	43	11.839	11.833 (0.969)		15740	0.50000	0.54
* 47 1,4-Difluorobenzene	114	12.219	12.224 (1.000)		1701260	10.0000	
48 n-Butanol	56	Compound Not Detected.					
49 Trichloroethene	95	12.716	12.716 (1.041)		28159	0.50000	0.55
50 1,2-Dichloropropane	63	13.240	13.240 (1.084)		16735	0.50000	0.56
51 Methyl methacrylate	69	13.460	13.460 (1.102)		9493	0.50000	0.41(a)
52 Dibromomethane	174	13.492	13.492 (1.104)		26370	0.50000	0.58
53 1,4-Dioxane	88	13.529	13.486 (1.107)		5980	0.50000	0.45(a)
54 Bromodichloromethane	83	13.813	13.813 (1.130)		42349	0.50000	0.52
55 1,3-Dichloropropene (cis)	75	14.792	14.797 (1.211)		27680	0.50000	0.56
56 Methyl isobutyl ketone	43	15.113	15.097 (1.237)		20191	0.50000	0.48(a)
57 n-Octane	43	15.600	15.605 (1.277)		29010	0.50000	0.56
58 Toluene	92	15.434	15.434 (0.841)		42307	0.50000	0.59
59 1,3-Dichloropropene (trans)	75	16.001	16.006 (1.310)		23542	0.50000	0.52
60 1,1,2-Trichloroethane	83	16.370	16.375 (0.892)		19568	0.50000	0.58
61 Tetrachloroethene	166	16.573	16.573 (0.903)		43247	0.50000	0.61

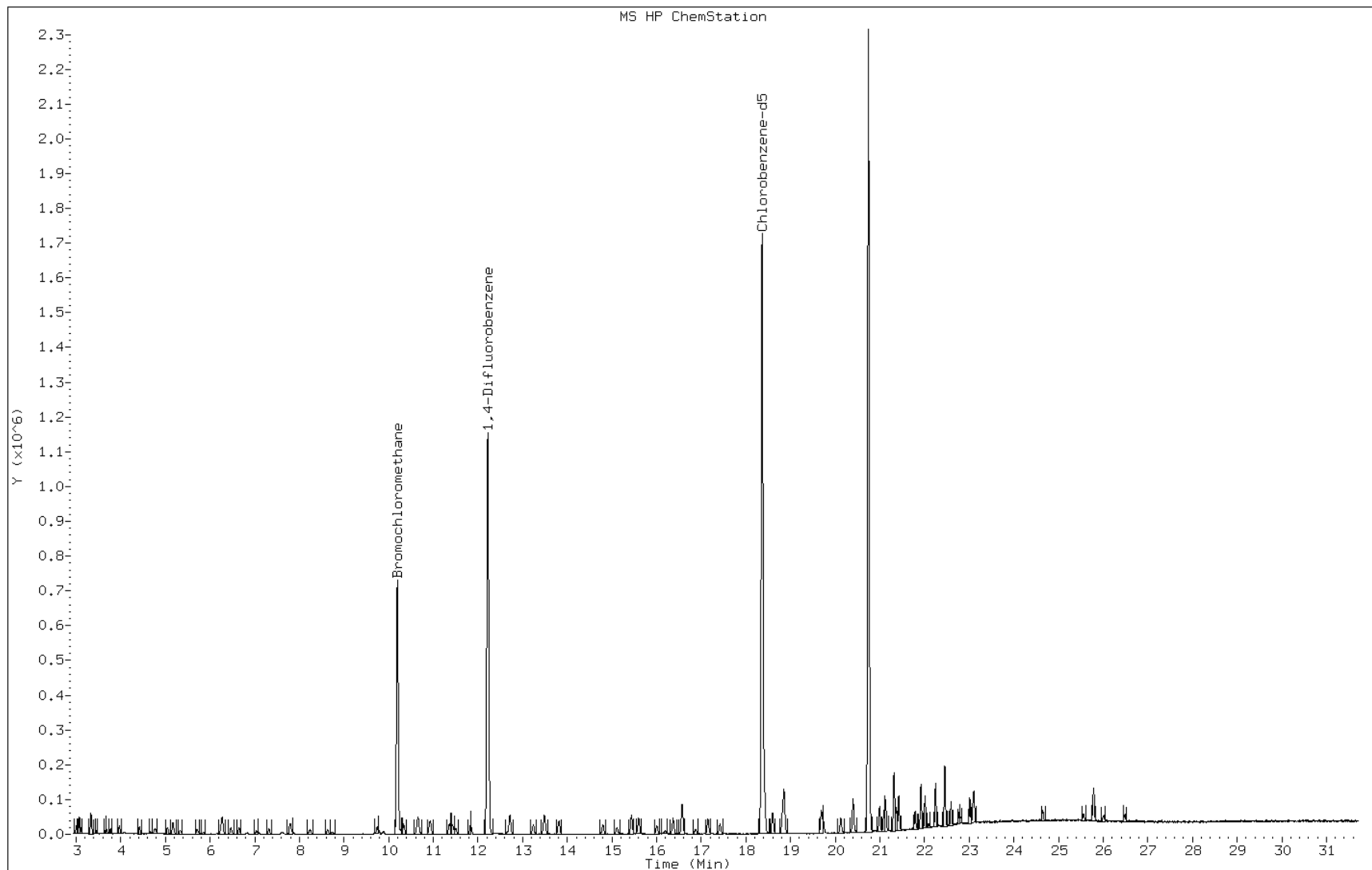
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	16.867	16.851	(0.919)	14891	0.50000	0.44(a)
63 Dibromochloromethane	129	17.151	17.151	(0.934)	39411	0.50000	0.49
64 1,2-Dibromoethane	107	17.413	17.424	(0.948)	34978	0.50000	0.54
* 65 Chlorobenzene-d5	117	18.360	18.360	(1.000)	1898066	10.0000	
66 Chlorobenzene	112	18.419	18.424	(1.003)	58777	0.50000	0.58
67 n-Nonane	57	18.820	18.815	(1.025)	24762	0.50000	0.50
68 Ethylbenzene	91	18.595	18.601	(1.013)	78736	0.50000	0.54
69 Xylene (m,p)	106	18.858	18.852	(1.027)	67445	1.00000	1.2
M 70 Xylenes, Total	106				101688	0.50000	1.7
71 Xylene (o)	106	19.687	19.687	(1.072)	34243	0.50000	0.55
72 Styrene	104	19.735	19.735	(1.075)	34052	0.50000	0.46
73 Bromoform	173	20.125	20.125	(1.096)	30995	0.50000	0.49
74 Isopropylbenzene	105	20.398	20.398	(1.111)	102787	0.50000	0.57
75 1,1,2,2-Tetrachloroethane	83	20.997	20.997	(1.144)	48293	0.50000	0.58
76 n-Propylbenzene	91	21.126	21.126	(1.151)	97176	0.50000	0.53
77 1,2,3-Trichloropropane	75	21.088	21.094	(1.149)	34230	0.50000	0.57
78 n-Decane	57	21.361	21.366	(1.163)	28644	0.50000	0.56
79 4-Ethyltoluene	105	21.318	21.318	(1.161)	79113	0.50000	0.52
80 2-Chlorotoluene	91	21.308	21.313	(1.161)	77329	0.50000	0.58
81 1,3,5-Trimethylbenzene	105	21.425	21.425	(1.167)	76839	0.50000	0.55
82 Alpha Methyl Styrene	118	21.789	21.789	(1.187)	21361	0.50000	0.37
83 tert-butylbenzene	119	21.918	21.923	(1.194)	83626	0.50000	0.57
84 1,2,4-Trimethylbenzene	105	22.008	22.008	(1.199)	67210	0.50000	0.51
85 sec-Butylbenzene	105	22.249	22.249	(1.212)	111870	0.50000	0.55
86 4-Isopropyltoluene	119	22.453	22.452	(1.223)	82325	0.50000	0.52
87 1,3-Dichlorobenzene	146	22.458	22.463	(1.223)	41254	0.50000	0.53
88 1,4-Dichlorobenzene	146	22.592	22.597	(1.230)	36121	0.50000	0.49
89 Benzyl chloride	91	22.768	22.768	(1.240)	27026	0.50000	0.38
90 Undecane	57	23.089	23.089	(1.258)	23530	0.50000	0.67(a)
91 n-Butylbenzene	91	23.020	23.014	(1.254)	50289	0.50000	0.46
92 1,2-Dichlorobenzene	146	23.111	23.110	(1.259)	42880	0.50000	0.52
93 Dodecane	57	24.641	24.646	(1.342)	13005	0.50000	0.72(aM)
94 1,2,4-Trichlorobenzene	180	25.561	25.561	(1.392)	8973	0.50000	0.43(a)
95 1,3-Hexachlorobutadiene	225	25.785	25.785	(1.404)	26170	0.50000	0.65
96 Naphthalene	128	26.015	26.010	(1.417)	21464	0.50000	0.42(a)
97 1,2,3-Trichlorobenzene	180	26.481	26.475	(1.442)	10405	0.50000	0.50

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: gia06.d
Client ID:
Operator: BL
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 463765
Lab Sample ID: IC 463765

Date: 23-MAR-2013 19:33
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



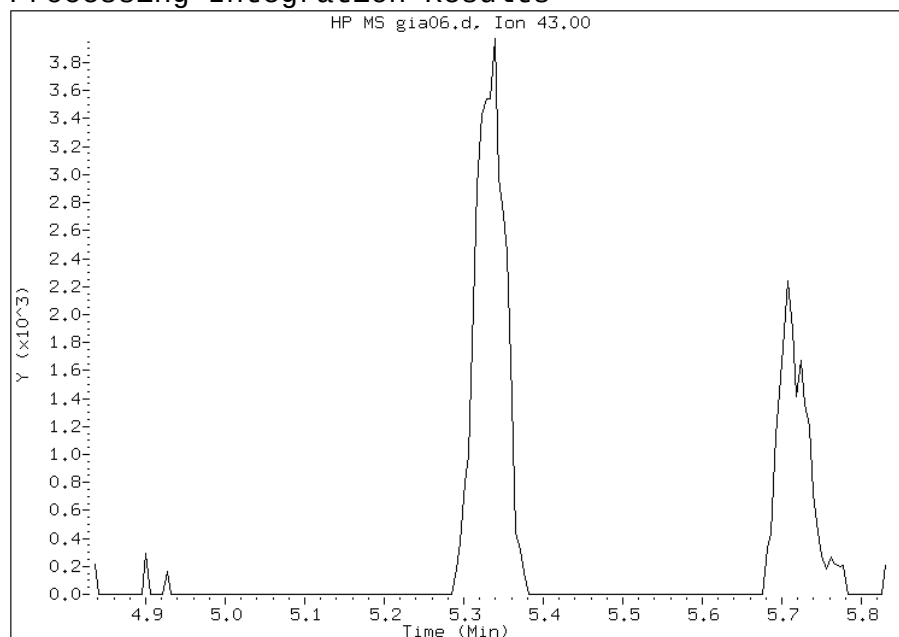
Manual Integration Report

Data File: gia06.d
Lab Sample ID: IC 463765
Inj. Date and Time: 23-MAR-2013 19:33
Instrument ID: G.i
Client ID:
Compound: 14 Pentane
CAS #: 109-66-0
Report Date: 03/25/2013

Processing Integration Results

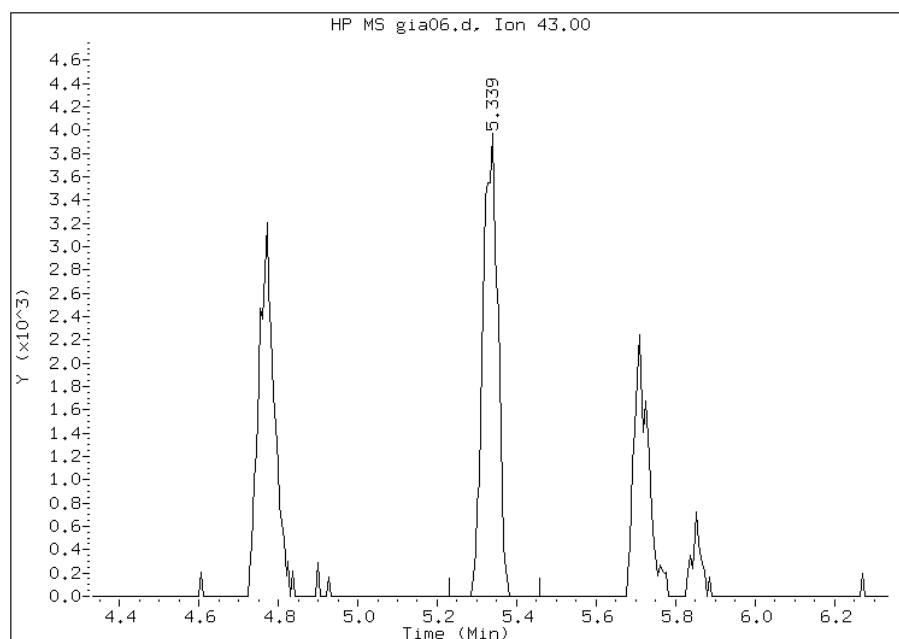
Not Detected

Expected RT: 5.33



Manual Integration Results

RT: 5.34
Response: 10347
Amount: 0.473502
Conc: 0.473502



File Uploaded By: lyonsb
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/giato15.b/gia08.d
Lab Smp Id: ICIS 474906
Inj Date : 23-MAR-2013 21:15
Operator : BL
Smp Info : ICIS 474906
Misc Info : 200,1
Comment :
Method : /chem/G.i/Gsvr.p/giato15.b/to15v5.m
Meth Date : 25-Mar-2013 11:24 lyonsb
Cal Date : 23-MAR-2013 21:15
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gia08.d
Calibration Sample, Level: 4
Compound Sublist: allT015.sub

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	3.001	3.001	(0.294)	101506	10.0000	9.4
2 Dichlorodifluoromethane	85	3.070	3.070	(0.301)	727989	10.0000	10
3 Chlorodifluoromethane	51	3.113	3.113	(0.305)	315343	10.0000	10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.333	3.333	(0.327)	688105	10.0000	10
5 Chloromethane	50	3.450	3.450	(0.338)	143969	10.0000	10
6 Butane	43	3.659	3.659	(0.359)	205668	10.0000	10
7 Vinyl chloride	62	3.691	3.691	(0.362)	190605	10.0000	9.6
8 1,3-Butadiene	54	3.771	3.771	(0.370)	112665	10.0000	10
9 Bromomethane	94	4.424	4.424	(0.434)	267355	10.0000	10
10 Chloroethane	64	4.659	4.659	(0.457)	87428	10.0000	10
11 2-Methylbutane	43	4.772	4.772	(0.468)	168286	10.0000	11
12 Vinyl bromide	106	5.044	5.044	(0.495)	313302	10.0000	11
13 Trichlorofluoromethane	101	5.173	5.173	(0.507)	910307	10.0000	11
14 Pentane	43	5.333	5.333	(0.523)	250095	10.0000	11

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.702	5.702	(0.559)	81852	15.0000	16
16 Ethyl ether	59	5.836	5.836	(0.572)	101370	10.0000	11
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.264	6.264	(0.614)	573009	10.0000	11
18 Acrolein	56	6.146	6.146	(0.603)	55070	10.0000	11
19 1,1-Dichloroethene	96	6.275	6.275	(0.615)	236353	10.0000	11
20 Acetone	43	6.457	6.457	(0.633)	230273	10.0000	11
21 Carbon disulfide	76	6.655	6.655	(0.653)	620947	10.0000	10
22 Isopropanol	45	6.783	6.783	(0.665)	155985	10.0000	10
23 Allyl chloride	41	7.040	7.040	(0.690)	171703	10.0000	10(M)
24 Acetonitrile	41	7.072	7.072	(0.694)	90538	10.0000	9.9(M)
25 Methylene chloride	49	7.318	7.318	(0.718)	185231	10.0000	9.9
26 Tert-butyl alcohol	59	7.564	7.564	(0.742)	271848	10.0000	10
27 Methyl tert-butyl ether	73	7.783	7.783	(0.763)	486679	10.0000	10
28 1,2-Dichloroethene (trans)	61	7.789	7.789	(0.764)	277483	10.0000	10
29 Acrylonitrile	53	7.853	7.853	(0.770)	93423	10.0000	10
30 n-Hexane	57	8.238	8.238	(0.808)	209542	10.0000	10
31 1,1-Dichloroethane	63	8.634	8.634	(0.847)	344934	10.0000	10
32 Vinyl acetate	43	8.730	8.730	(0.856)	281268	10.0000	9.6
M 33 1,2-Dichloroethene,Total	61				539188	20.0000	20
34 1,2-Dichloroethene (cis)	96	9.741	9.741	(0.955)	261705	10.0000	9.8
35 Ethyl acetate	88	9.865	9.865	(0.967)	12072	10.0000	9.8
36 Methyl Ethyl Ketone	72	9.774	9.774	(0.959)	70236	10.0000	9.2
* 37 Bromochloromethane	128	10.196	10.196	(1.000)	328010	10.0000	
38 Tetrahydrofuran	42	10.239	10.239	(0.838)	140040	10.0000	11
39 Chloroform	83	10.346	10.346	(1.015)	605891	10.0000	9.8
40 Cyclohexane	84	10.672	10.672	(0.873)	326561	10.0000	11
41 1,1,1-Trichloroethane	97	10.651	10.651	(0.871)	774793	10.0000	11
42 Carbon tetrachloride	117	10.929	10.929	(0.894)	916369	10.0000	10
43 2,2,4-Trimethylpentane	57	11.432	11.432	(0.935)	982386	10.0000	10
44 Benzene	78	11.362	11.362	(0.930)	755064	10.0000	9.6
45 1,2-Dichloroethane	62	11.502	11.502	(0.941)	385632	10.0000	9.8
46 n-Heptane	43	11.833	11.833	(0.968)	308515	10.0000	9.8
* 47 1,4-Difluorobenzene	114	12.224	12.224	(1.000)	1830104	10.0000	
48 n-Butanol	56	12.620	12.620	(1.032)	87509	10.0000	10
49 Trichloroethene	95	12.716	12.716	(1.040)	492519	10.0000	8.9
50 1,2-Dichloropropane	63	13.240	13.240	(1.083)	311260	10.0000	9.7
51 Methyl methacrylate	69	13.460	13.460	(1.101)	251271	10.0000	10
52 Dibromomethane	174	13.492	13.492	(1.104)	484261	10.0000	9.9
53 1,4-Dioxane	88	13.486	13.486	(1.103)	161563	10.0000	11
54 Bromodichloromethane	83	13.813	13.813	(1.130)	872696	10.0000	10
55 1,3-Dichloropropene (cis)	75	14.797	14.797	(1.210)	507102	10.0000	9.5
56 Methyl isobutyl ketone	43	15.097	15.097	(1.235)	464236	10.0000	10
57 n-Octane	43	15.605	15.605	(1.277)	527739	10.0000	9.4
58 Toluene	92	15.434	15.434	(0.841)	764617	10.0000	9.2
59 1,3-Dichloropropene (trans)	75	16.006	16.006	(1.309)	487428	10.0000	9.9
60 1,1,2-Trichloroethane	83	16.375	16.375	(0.892)	369732	10.0000	9.4
61 Tetrachloroethene	166	16.573	16.573	(0.903)	763812	10.0000	9.3

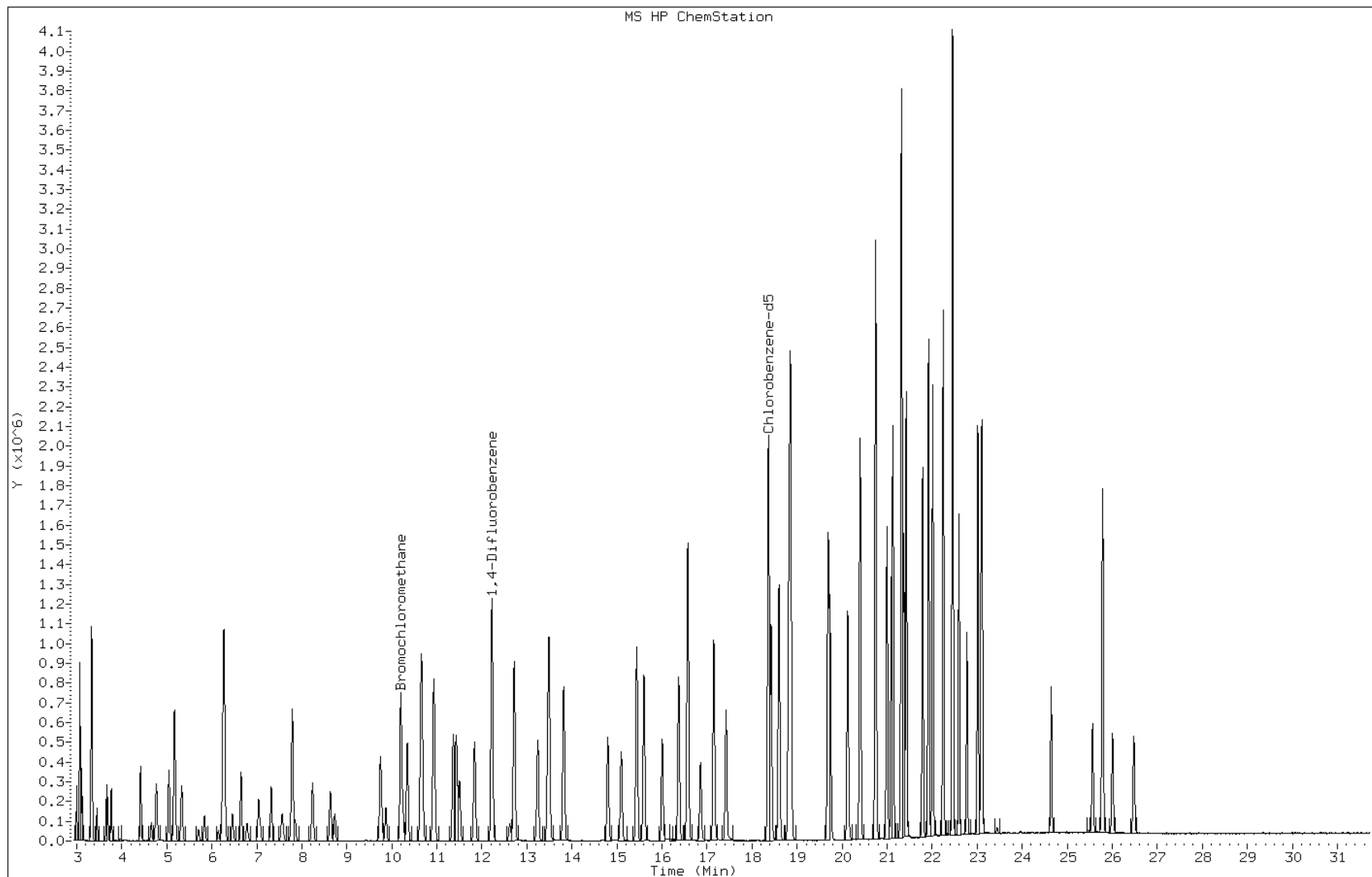
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	16.851	16.851	(0.918)	396452	10.0000	10
63 Dibromochloromethane	129	17.151	17.151	(0.934)	947690	10.0000	10
64 1,2-Dibromoethane	107	17.424	17.424	(0.949)	757497	10.0000	10
* 65 Chlorobenzene-d5	117	18.360	18.360	(1.000)	2196950	10.0000	
66 Chlorobenzene	112	18.424	18.424	(1.003)	1098106	10.0000	9.3
67 n-Nonane	57	18.815	18.815	(1.025)	578136	10.0000	10
68 Ethylbenzene	91	18.601	18.601	(1.013)	1629241	10.0000	9.7
69 Xylene (m,p)	106	18.852	18.852	(1.027)	1330015	20.0000	20
M 70 Xylenes, Total	106				2133297	10.0000	31
71 Xylene (o)	106	19.687	19.687	(1.072)	803282	10.0000	11
72 Styrene	104	19.735	19.735	(1.075)	979233	10.0000	11
73 Bromoform	173	20.125	20.125	(1.096)	834540	10.0000	11
74 Isopropylbenzene	105	20.398	20.398	(1.111)	2226953	10.0000	11
75 1,1,2,2-Tetrachloroethane	83	20.997	20.997	(1.144)	1056917	10.0000	11
76 n-Propylbenzene	91	21.126	21.126	(1.151)	2255088	10.0000	11
77 1,2,3-Trichloropropane	75	21.094	21.094	(1.149)	748575	10.0000	11
78 n-Decane	57	21.366	21.366	(1.164)	693293	10.0000	12
79 4-Ethyltoluene	105	21.318	21.318	(1.161)	1931865	10.0000	11
80 2-Chlorotoluene	91	21.313	21.313	(1.161)	1633958	10.0000	11
81 1,3,5-Trimethylbenzene	105	21.425	21.425	(1.167)	1744780	10.0000	11
82 Alpha Methyl Styrene	118	21.789	21.789	(1.187)	778951	10.0000	12
83 tert-butylbenzene	119	21.923	21.923	(1.194)	1780351	10.0000	10
84 1,2,4-Trimethylbenzene	105	22.008	22.008	(1.199)	1660475	10.0000	11
85 sec-Butylbenzene	105	22.249	22.249	(1.212)	2475326	10.0000	11
86 4-Isopropyltoluene	119	22.452	22.452	(1.223)	2004753	10.0000	11(H)
87 1,3-Dichlorobenzene	146	22.463	22.463	(1.223)	959653	10.0000	11
88 1,4-Dichlorobenzene	146	22.597	22.597	(1.231)	871479	10.0000	10
89 Benzyl chloride	91	22.768	22.768	(1.240)	871891	10.0000	11
90 Undecane	57	23.089	23.089	(1.258)	535649	10.0000	13
91 n-Butylbenzene	91	23.014	23.014	(1.254)	1410831	10.0000	11
92 1,2-Dichlorobenzene	146	23.110	23.110	(1.259)	1001339	10.0000	10
93 Dodecane	57	24.646	24.646	(1.342)	324132	10.0000	15
94 1,2,4-Trichlorobenzene	180	25.561	25.561	(1.392)	262901	10.0000	11
95 1,3-Hexachlorobutadiene	225	25.785	25.785	(1.404)	494742	10.0000	11
96 Naphthalene	128	26.010	26.010	(1.417)	691639	10.0000	12
97 1,2,3-Trichlorobenzene	180	26.475	26.475	(1.442)	268808	10.0000	11

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: gia08.d
Client ID:
Operator: BL
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ICIS 474906
Lab Sample ID: ICIS 474906

Date: 23-MAR-2013 21:15
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32

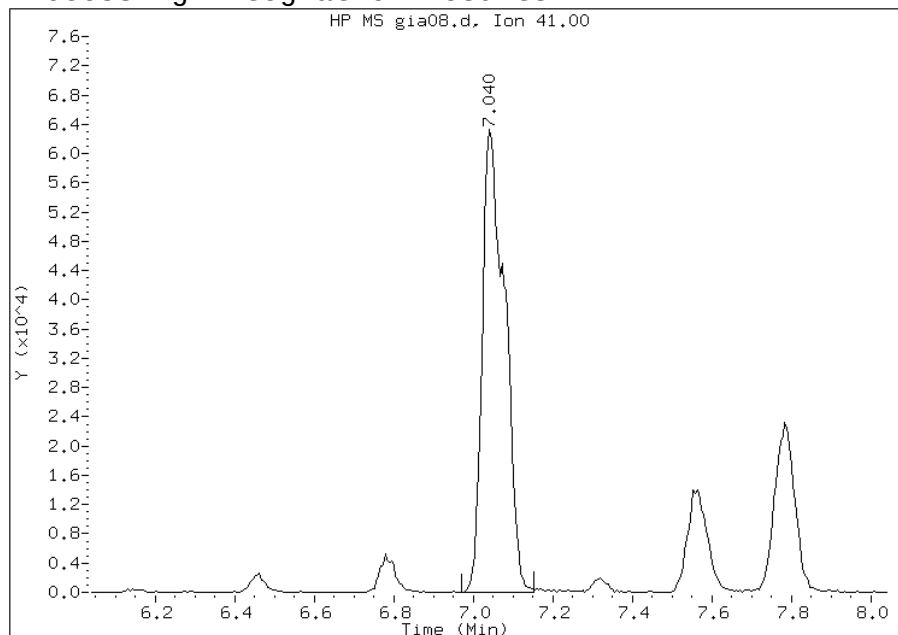


Manual Integration Report

Data File: gia08.d
Lab Sample ID: ICIS 474906
Inj. Date and Time: 23-MAR-2013 21:15
Instrument ID: G.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 03/25/2013

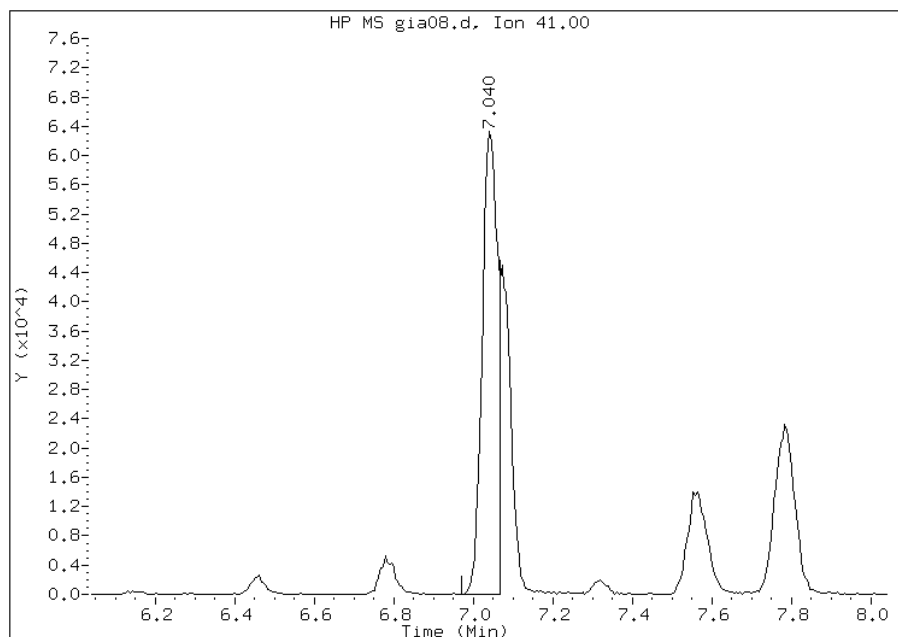
Processing Integration Results

RT: 7.04
Response: 249243
Amount: 11.81
Conc: 11.81



Manual Integration Results

RT: 7.04
Response: 171703
Amount: 10.38
Conc: 10.38



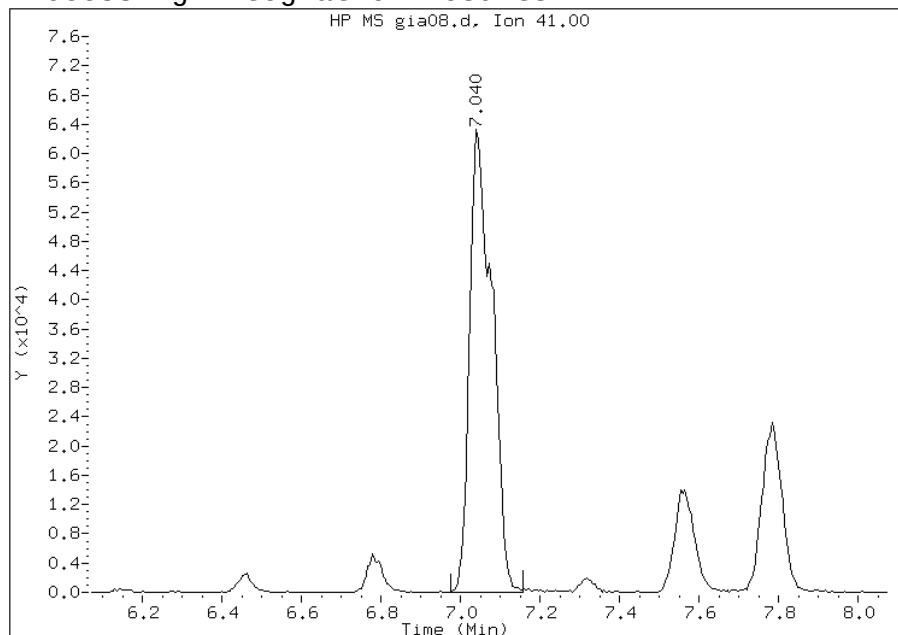
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Manual Integration Reason: Baseline event

Manual Integration Report

Data File: gia08.d
Lab Sample ID: ICIS 474906
Inj. Date and Time: 23-MAR-2013 21:15
Instrument ID: G.i
Client ID:
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 03/25/2013

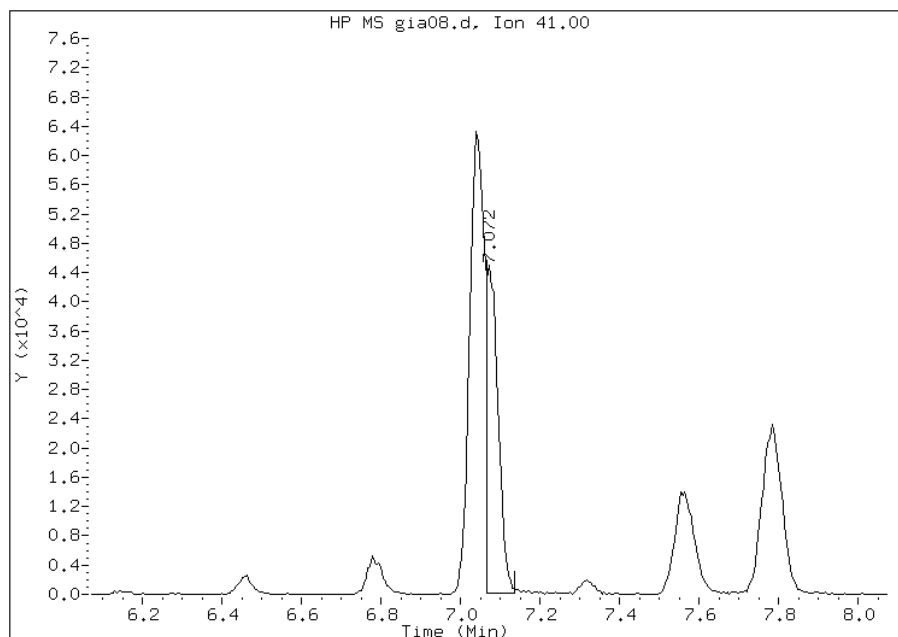
Processing Integration Results

RT: 7.04
Response: 249381
Amount: 10.72
Conc: 10.72



Manual Integration Results

RT: 7.07
Response: 90538
Amount: 9.92
Conc: 9.92



File Uploaded By: lyonsb
Manual Integration Reason: Analyte misidentified by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/giato15.b/gia09.d
 Lab Smp Id: IC 474940
 Inj Date : 23-MAR-2013 22:05
 Operator : BL
 Smp Info : IC5 474940
 Misc Info : 200,1
 Comment :
 Method : /chem/G.i/Gsvr.p/giato15.b/to15v5.m
 Meth Date : 25-Mar-2013 11:24 lyonsb
 Cal Date : 23-MAR-2013 22:05
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: chemsvr6

Inst ID: G.i
 Quant Type: ISTD
 Cal File: gia09.d
 Calibration Sample, Level: 5
 Compound Sublist: allT015.sub

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	3.001	3.001	(0.294)	154800	15.0000	14
2 Dichlorodifluoromethane		85	3.070	3.070	(0.301)	1080049	15.0000	15
3 Chlorodifluoromethane		51	3.113	3.113	(0.305)	473234	15.0000	15
4 1,2-Dichloro-1,1,2,2-tetraflu		85	3.332	3.333	(0.327)	1018006	15.0000	15
5 Chloromethane		50	3.450	3.450	(0.338)	213750	15.0000	14
6 Butane		43	3.664	3.659	(0.359)	309625	15.0000	15
7 Vinyl chloride		62	3.691	3.691	(0.362)	282245	15.0000	14
8 1,3-Butadiene		54	3.771	3.771	(0.370)	172866	15.0000	15
9 Bromomethane		94	4.424	4.424	(0.434)	398270	15.0000	14
10 Chloroethane		64	4.659	4.659	(0.457)	124750	15.0000	14
11 2-Methylbutane		43	4.772	4.772	(0.468)	231233	15.0000	14
12 Vinyl bromide		106	5.050	5.044	(0.495)	406698	15.0000	14
13 Trichlorofluoromethane		101	5.173	5.173	(0.507)	1196104	15.0000	14
14 Pentane		43	5.333	5.333	(0.523)	340079	15.0000	15

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.708	5.702 (0.560)		98335	20.0000	19
16 Ethyl ether	59	5.836	5.836 (0.572)		140666	15.0000	15
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.264	6.264 (0.614)		760660	15.0000	15
18 Acrolein	56	6.152	6.146 (0.603)		77767	15.0000	15
19 1,1-Dichloroethene	96	6.275	6.275 (0.615)		312147	15.0000	15
20 Acetone	43	6.457	6.457 (0.633)		314203	15.0000	14
21 Carbon disulfide	76	6.655	6.655 (0.652)		908956	15.0000	15
22 Isopropanol	45	6.783	6.783 (0.665)		238902	15.0000	15
23 Allyl chloride	41	7.040	7.040 (0.690)		253043	15.0000	15(M)
24 Acetonitrile	41	7.072	7.072 (0.693)		148685	15.0000	16(M)
25 Methylene chloride	49	7.318	7.318 (0.717)		279881	15.0000	14
26 Tert-butyl alcohol	59	7.564	7.564 (0.741)		414728	15.0000	15
27 Methyl tert-butyl ether	73	7.789	7.783 (0.763)		753168	15.0000	15
28 1,2-Dichloroethene (trans)	61	7.794	7.789 (0.764)		425178	15.0000	15
29 Acrylonitrile	53	7.853	7.853 (0.770)		140228	15.0000	15
30 n-Hexane	57	8.244	8.238 (0.808)		324360	15.0000	15
31 1,1-Dichloroethane	63	8.639	8.634 (0.847)		530910	15.0000	15
32 Vinyl acetate	43	8.730	8.730 (0.856)		450014	15.0000	15
M 33 1,2-Dichloroethene,Total	61				832344	30.0000	29
34 1,2-Dichloroethene (cis)	96	9.747	9.741 (0.955)		407166	15.0000	15
35 Ethyl acetate	88	9.875	9.865 (0.968)		18586	15.0000	15
36 Methyl Ethyl Ketone	72	9.774	9.774 (0.958)		110325	15.0000	14
* 37 Bromochloromethane	128	10.202	10.196 (1.000)		340024	10.0000	
38 Tetrahydrofuran	42	10.239	10.239 (0.838)		215847	15.0000	15
39 Chloroform	83	10.346	10.346 (1.014)		942395	15.0000	15
40 Cyclohexane	84	10.672	10.672 (0.873)		485142	15.0000	14
41 1,1,1-Trichloroethane	97	10.651	10.651 (0.871)		1159755	15.0000	14
42 Carbon tetrachloride	117	10.934	10.929 (0.895)		1380306	15.0000	14
43 2,2,4-Trimethylpentane	57	11.432	11.432 (0.935)		1491580	15.0000	14
44 Benzene	78	11.362	11.362 (0.930)		1208230	15.0000	14
45 1,2-Dichloroethane	62	11.507	11.502 (0.941)		614895	15.0000	14
46 n-Heptane	43	11.839	11.833 (0.968)		492095	15.0000	14
* 47 1,4-Difluorobenzene	114	12.224	12.224 (1.000)		2021455	10.0000	
48 n-Butanol	56	12.614	12.620 (1.032)		131980	15.0000	14
49 Trichloroethene	95	12.721	12.716 (1.041)		784285	15.0000	13
50 1,2-Dichloropropane	63	13.240	13.240 (1.083)		500225	15.0000	14
51 Methyl methacrylate	69	13.465	13.460 (1.102)		399639	15.0000	15
52 Dibromomethane	174	13.497	13.492 (1.104)		747261	15.0000	14
53 1,4-Dioxane	88	13.492	13.486 (1.104)		234580	15.0000	15
54 Bromodichloromethane	83	13.813	13.813 (1.130)		1471822	15.0000	15
55 1,3-Dichloropropene (cis)	75	14.797	14.797 (1.210)		938557	15.0000	16
56 Methyl isobutyl ketone	43	15.097	15.097 (1.235)		840871	15.0000	17
57 n-Octane	43	15.605	15.605 (1.277)		976618	15.0000	16
58 Toluene	92	15.434	15.434 (0.841)		1396008	15.0000	16
59 1,3-Dichloropropene (trans)	75	16.006	16.006 (1.309)		878078	15.0000	16
60 1,1,2-Trichloroethane	83	16.375	16.375 (0.892)		662202	15.0000	16
61 Tetrachloroethene	166	16.573	16.573 (0.903)		1338303	15.0000	15

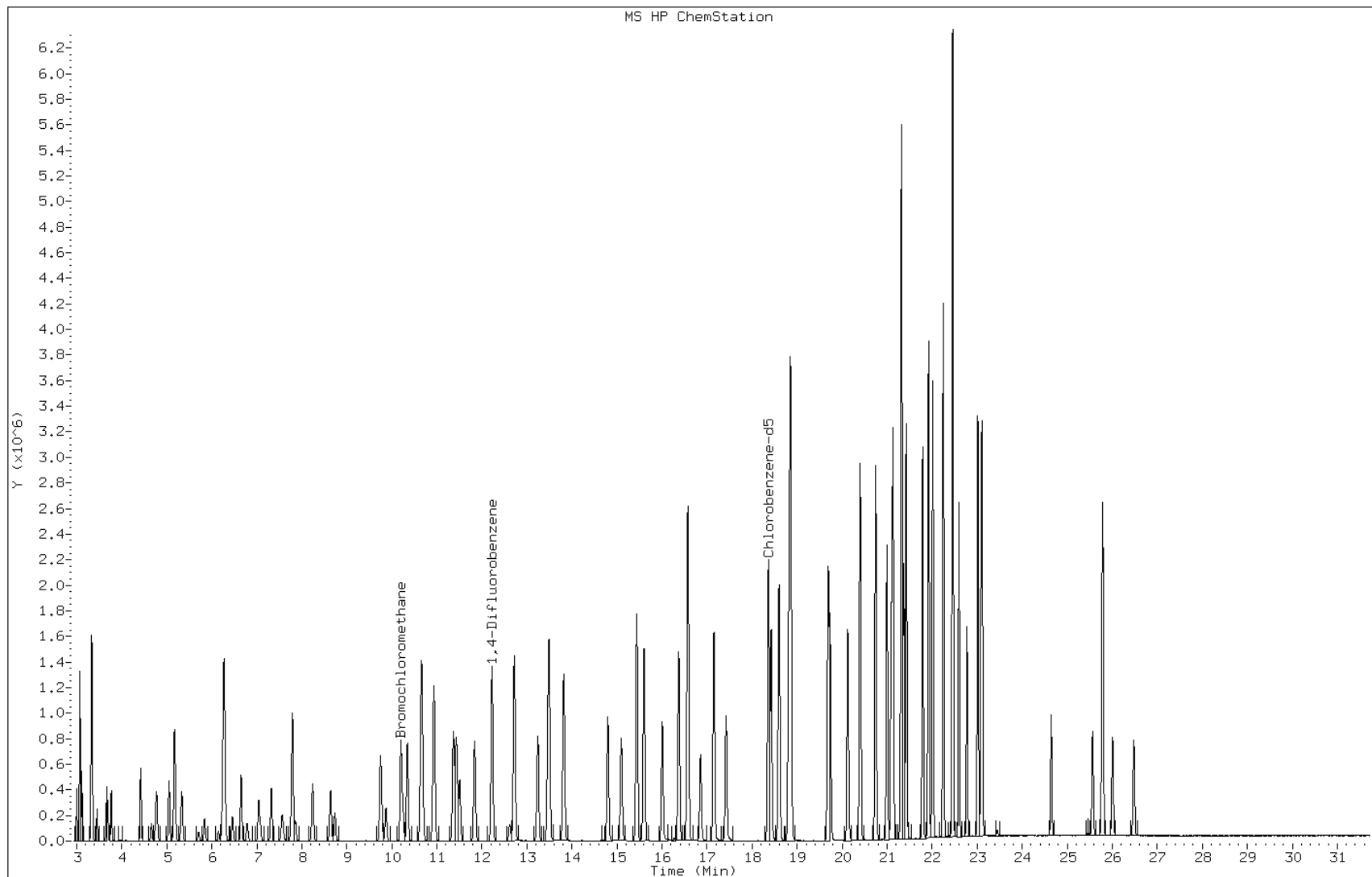
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	16.857	16.851	(0.918)	678155	15.0000	16
63 Dibromochloromethane	129	17.156	17.151	(0.934)	1555739	15.0000	16
64 1,2-Dibromoethane	107	17.424	17.424	(0.949)	1154350	15.0000	14
* 65 Chlorobenzene-d5	117	18.360	18.360	(1.000)	2344101	10.0000	
66 Chlorobenzene	112	18.424	18.424	(1.003)	1680080	15.0000	13
67 n-Nonane	57	18.815	18.815	(1.025)	819128	15.0000	13
68 Ethylbenzene	91	18.601	18.601	(1.013)	2535770	15.0000	14
69 Xylene (m,p)	106	18.852	18.852	(1.027)	2012360	30.0000	28
M 70 Xylenes, Total	106				3113047	15.0000	42
71 Xylene (o)	106	19.692	19.687	(1.073)	1100687	15.0000	14
72 Styrene	104	19.735	19.735	(1.075)	1419171	15.0000	15
73 Bromoform	173	20.125	20.125	(1.096)	1229486	15.0000	16
74 Isopropylbenzene	105	20.398	20.398	(1.111)	3283146	15.0000	15
75 1,1,2,2-Tetrachloroethane	83	20.997	20.997	(1.144)	1516869	15.0000	15
76 n-Propylbenzene	91	21.131	21.126	(1.151)	3466609	15.0000	15
77 1,2,3-Trichloropropane	75	21.094	21.094	(1.149)	1051860	15.0000	14
78 n-Decane	57	21.366	21.366	(1.164)	967988	15.0000	15
79 4-Ethyltoluene	105	21.318	21.318	(1.161)	2892898	15.0000	15
80 2-Chlorotoluene	91	21.313	21.313	(1.161)	2429146	15.0000	15
81 1,3,5-Trimethylbenzene	105	21.425	21.425	(1.167)	2542258	15.0000	15
82 Alpha Methyl Styrene	118	21.789	21.789	(1.187)	1291928	15.0000	18
83 tert-butylbenzene	119	21.923	21.923	(1.194)	2790327	15.0000	15
84 1,2,4-Trimethylbenzene	105	22.008	22.008	(1.199)	2604766	15.0000	16
85 sec-Butylbenzene	105	22.249	22.249	(1.212)	3882236	15.0000	16
86 4-Isopropyltoluene	119	22.452	22.452	(1.223)	3129548	15.0000	16(H)
87 1,3-Dichlorobenzene	146	22.463	22.463	(1.223)	1500640	15.0000	16
88 1,4-Dichlorobenzene	146	22.591	22.597	(1.230)	1401697	15.0000	15
89 Benzyl chloride	91	22.768	22.768	(1.240)	1406799	15.0000	16
90 Undecane	57	23.084	23.089	(1.257)	769125	15.0000	18
91 n-Butylbenzene	91	23.014	23.014	(1.254)	2268050	15.0000	17
92 1,2-Dichlorobenzene	146	23.110	23.110	(1.259)	1579113	15.0000	15
93 Dodecane	57	24.646	24.646	(1.342)	420000	15.0000	19
94 1,2,4-Trichlorobenzene	180	25.566	25.561	(1.392)	398472	15.0000	16
95 1,3-Hexachlorobutadiene	225	25.785	25.785	(1.404)	738354	15.0000	15
96 Naphthalene	128	26.010	26.010	(1.417)	1062712	15.0000	17
97 1,2,3-Trichlorobenzene	180	26.481	26.475	(1.442)	402684	15.0000	16

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: gia09.d
Client ID:
Operator: BL
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC5 474940
Lab Sample ID: IC 474940

Date: 23-MAR-2013 22:05
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32

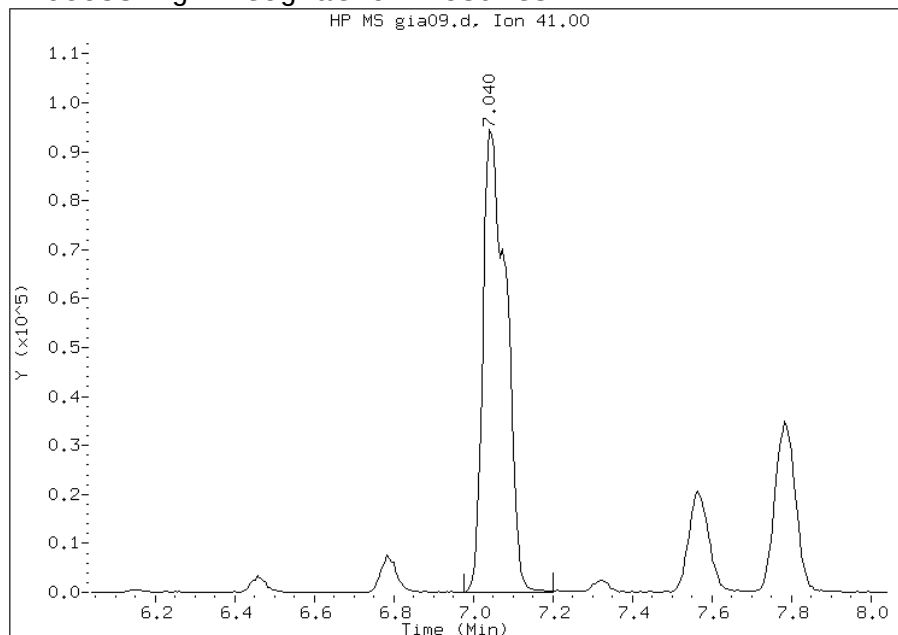


Manual Integration Report

Data File: gia09.d
Lab Sample ID: IC 474940
Inj. Date and Time: 23-MAR-2013 22:05
Instrument ID: G.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 03/25/2013

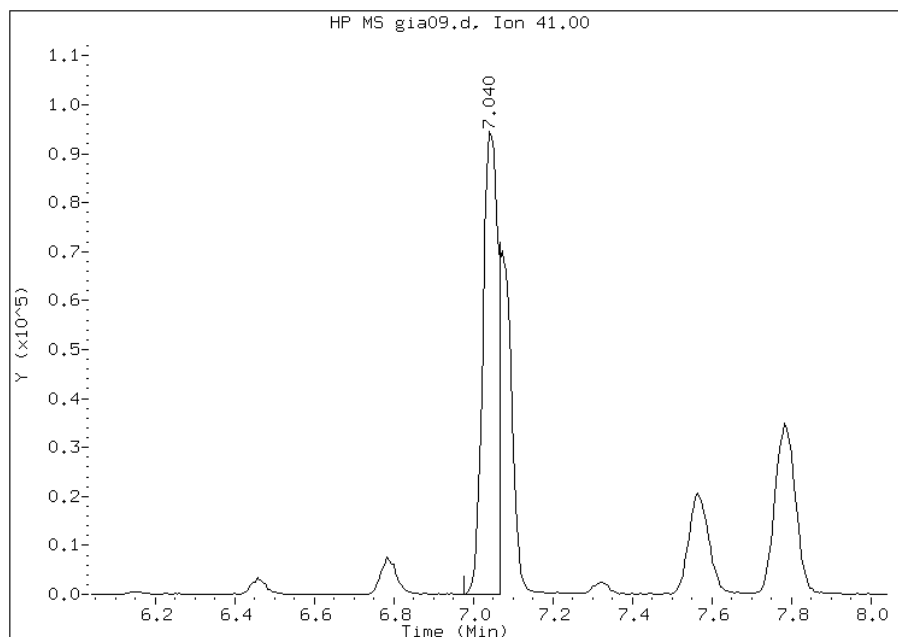
Processing Integration Results

RT: 7.04
Response: 384073
Amount: 17.56
Conc: 17.56



Manual Integration Results

RT: 7.04
Response: 253043
Amount: 14.76
Conc: 14.76



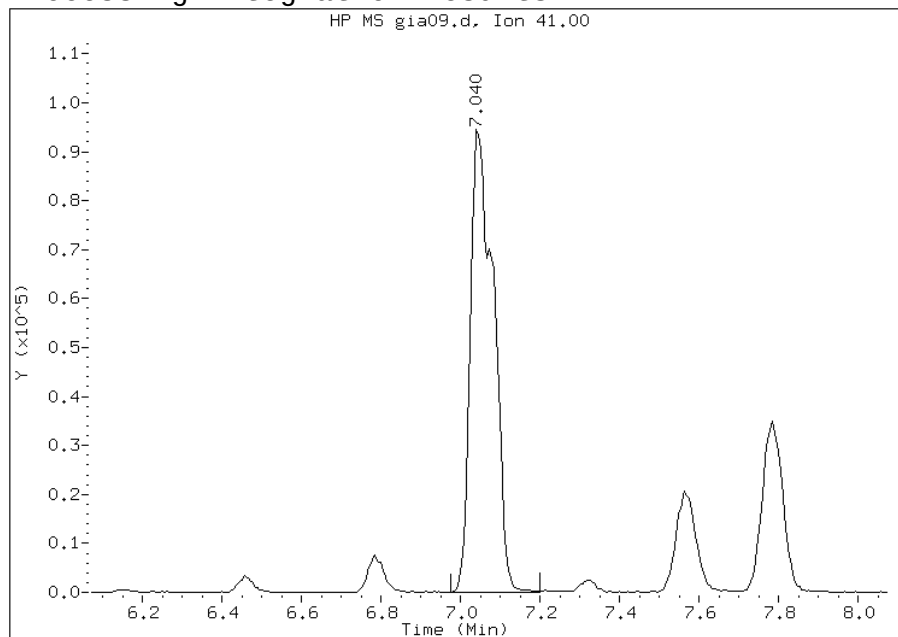
File Uploaded By: lyonsb
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: gia09.d
Lab Sample ID: IC 474940
Inj. Date and Time: 23-MAR-2013 22:05
Instrument ID: G.i
Client ID:
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 03/25/2013

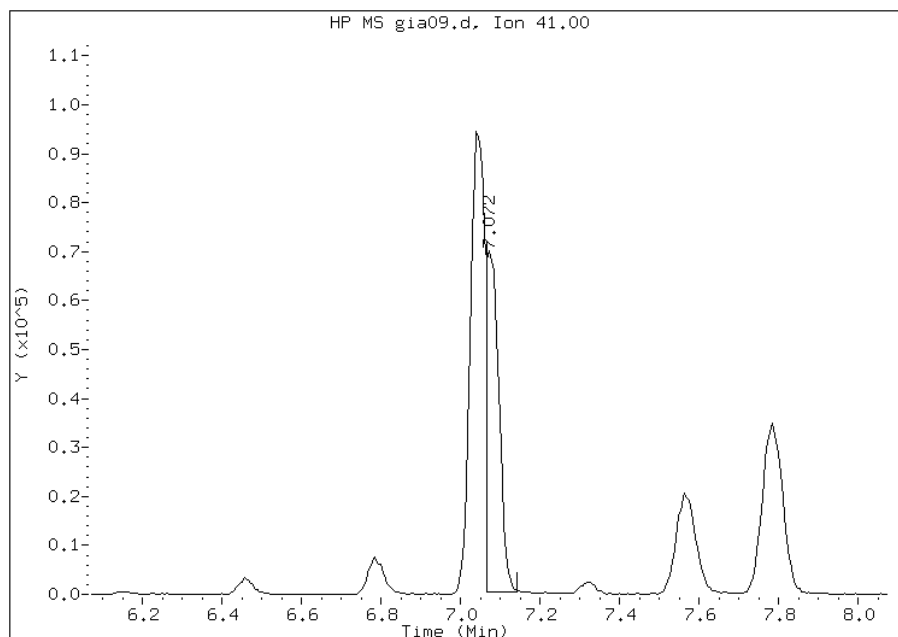
Processing Integration Results

RT: 7.04
Response: 384073
Amount: 15.93
Conc: 15.93



Manual Integration Results

RT: 7.07
Response: 148685
Amount: 15.72
Conc: 15.72



File Uploaded By: lyonsb
Manual Integration Reason: Analyte misidentified by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/giato15.b/gia10.d
 Lab Smp Id: IC 474941
 Inj Date : 23-MAR-2013 22:56
 Operator : BL
 Smp Info : IC 474941
 Misc Info : 200,1
 Comment :
 Method : /chem/G.i/Gsvr.p/giato15.b/to15v5.m
 Meth Date : 25-Mar-2013 11:24 lyonsb
 Cal Date : 23-MAR-2013 22:56
 Als bottle: 7
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: chemsvr6

Inst ID: G.i
 Quant Type: ISTD
 Cal File: gia10.d
 Calibration Sample, Level: 6
 Compound Sublist: allT015.sub

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	3.001	3.001	(0.294)	209480	20.0000	19	
2 Dichlorodifluoromethane	85	3.071	3.070	(0.301)	1466145	20.0000	20	
3 Chlorodifluoromethane	51	3.113	3.113	(0.305)	644582	20.0000	20	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.333	3.333	(0.327)	1440514	20.0000	21	
5 Chloromethane	50	3.450	3.450	(0.338)	306730	20.0000	20	
6 Butane	43	3.659	3.659	(0.359)	427853	20.0000	20	
7 Vinyl chloride	62	3.691	3.691	(0.362)	387556	20.0000	19	
8 1,3-Butadiene	54	3.771	3.771	(0.370)	239995	20.0000	21	
9 Bromomethane	94	4.424	4.424	(0.434)	548055	20.0000	20	
10 Chloroethane	64	4.659	4.659	(0.457)	162831	20.0000	19	
11 2-Methylbutane	43	4.772	4.772	(0.468)	321923	20.0000	20	
12 Vinyl bromide	106	5.045	5.044	(0.494)	548326	20.0000	19	
13 Trichlorofluoromethane	101	5.173	5.173	(0.507)	1582195	20.0000	19	
14 Pentane	43	5.339	5.333	(0.523)	455004	20.0000	20	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.708	5.702 (0.560)		216961	40.0000	41
16 Ethyl ether	59	5.836	5.836 (0.572)		188247	20.0000	20
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.264	6.264 (0.614)		1010454	20.0000	19
18 Acrolein	56	6.147	6.146 (0.602)		105388	20.0000	20
19 1,1-Dichloroethene	96	6.275	6.275 (0.615)		415152	20.0000	19
20 Acetone	43	6.457	6.457 (0.633)		423138	20.0000	19
21 Carbon disulfide	76	6.655	6.655 (0.652)		1210614	20.0000	19
22 Isopropanol	45	6.789	6.783 (0.665)		321845	20.0000	20
23 Allyl chloride	41	7.040	7.040 (0.690)		341321	20.0000	20(M)
24 Acetonitrile	41	7.067	7.072 (0.693)		203511	20.0000	21(M)
25 Methylene chloride	49	7.318	7.318 (0.717)		373080	20.0000	19
26 Tert-butyl alcohol	59	7.564	7.564 (0.741)		555999	20.0000	20
27 Methyl tert-butyl ether	73	7.784	7.783 (0.763)		1008108	20.0000	20
28 1,2-Dichloroethene (trans)	61	7.794	7.789 (0.764)		562823	20.0000	20
29 Acrylonitrile	53	7.859	7.853 (0.770)		189218	20.0000	20
30 n-Hexane	57	8.244	8.238 (0.808)		439291	20.0000	20
31 1,1-Dichloroethane	63	8.634	8.634 (0.846)		707650	20.0000	20
32 Vinyl acetate	43	8.731	8.730 (0.856)		610751	20.0000	20
M 33 1,2-Dichloroethene,Total	61				1096869	40.0000	39
34 1,2-Dichloroethene (cis)	96	9.747	9.741 (0.955)		534046	20.0000	19
35 Ethyl acetate	88	9.870	9.865 (0.967)		25165	20.0000	20
36 Methyl Ethyl Ketone	72	9.774	9.774 (0.958)		147004	20.0000	19
* 37 Bromochloromethane	128	10.202	10.196 (1.000)		340447	10.0000	
38 Tetrahydrofuran	42	10.239	10.239 (0.838)		289591	20.0000	20
39 Chloroform	83	10.346	10.346 (1.014)		1223043	20.0000	19
40 Cyclohexane	84	10.672	10.672 (0.873)		642638	20.0000	19
41 1,1,1-Trichloroethane	97	10.651	10.651 (0.871)		1539320	20.0000	19
42 Carbon tetrachloride	117	10.935	10.929 (0.895)		1834819	20.0000	19
43 2,2,4-Trimethylpentane	57	11.432	11.432 (0.935)		1987583	20.0000	19
44 Benzene	78	11.363	11.362 (0.930)		1575290	20.0000	18
45 1,2-Dichloroethane	62	11.507	11.502 (0.941)		784303	20.0000	18
46 n-Heptane	43	11.839	11.833 (0.968)		651670	20.0000	19
* 47 1,4-Difluorobenzene	114	12.224	12.224 (1.000)		2013515	10.0000	
48 n-Butanol	56	12.620	12.620 (1.032)		185822	20.0000	20
49 Trichloroethene	95	12.721	12.716 (1.041)		992438	20.0000	16
50 1,2-Dichloropropane	63	13.240	13.240 (1.083)		659691	20.0000	19
51 Methyl methacrylate	69	13.465	13.460 (1.102)		579076	20.0000	21
52 Dibromomethane	174	13.497	13.492 (1.104)		976000	20.0000	18
53 1,4-Dioxane	88	13.492	13.486 (1.104)		330037	20.0000	21
54 Bromodichloromethane	83	13.818	13.813 (1.130)		1829948	20.0000	19
55 1,3-Dichloropropene (cis)	75	14.797	14.797 (1.210)		1068287	20.0000	18
56 Methyl isobutyl ketone	43	15.091	15.097 (1.235)		955412	20.0000	19
57 n-Octane	43	15.605	15.605 (1.277)		1096478	20.0000	18
58 Toluene	92	15.439	15.434 (0.841)		1629964	20.0000	18
59 1,3-Dichloropropene (trans)	75	16.006	16.006 (1.309)		1013643	20.0000	19
60 1,1,2-Trichloroethane	83	16.375	16.375 (0.892)		777819	20.0000	18
61 Tetrachloroethene	166	16.579	16.573 (0.903)		1556983	20.0000	17

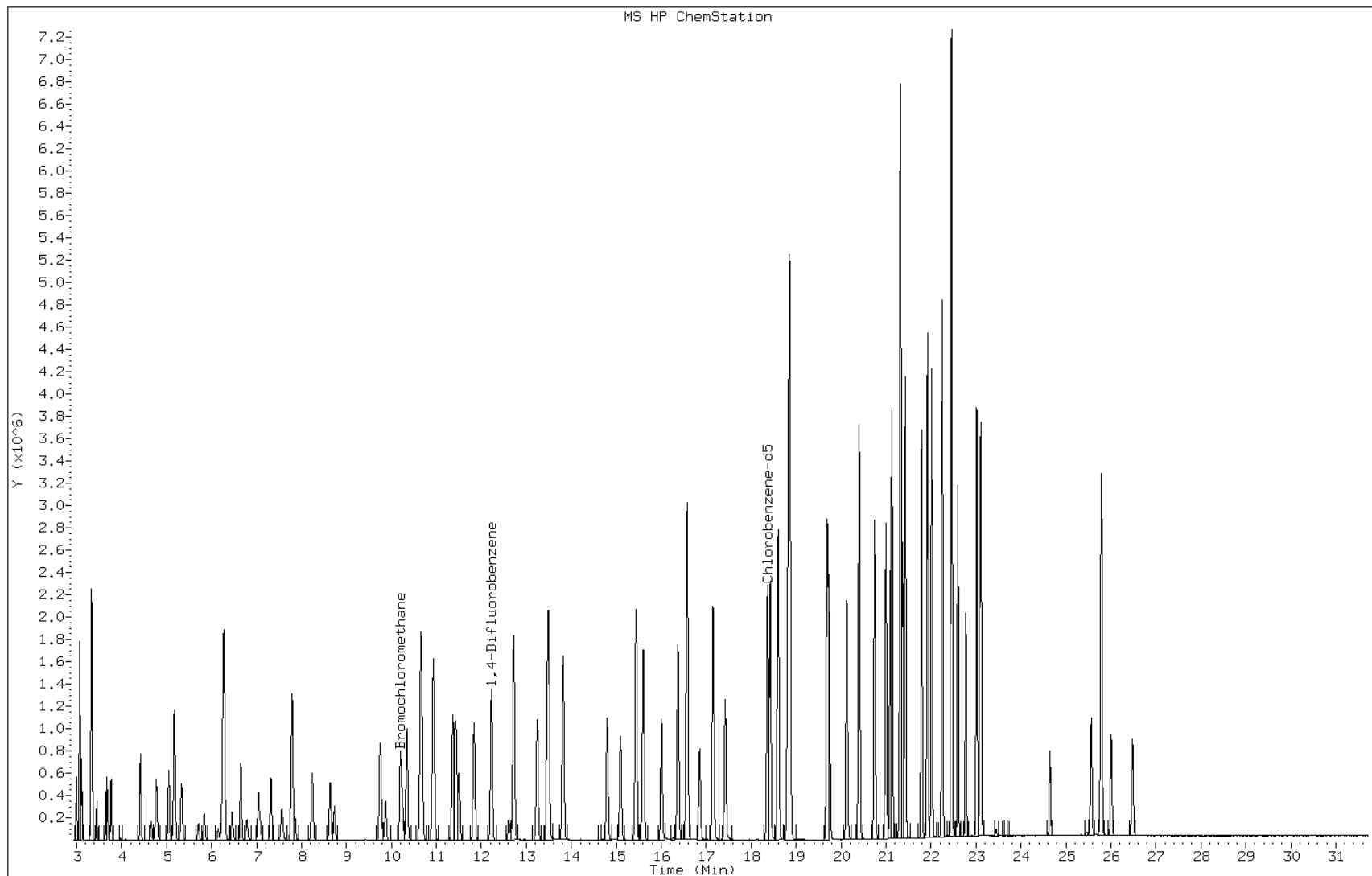
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	16.851	16.851	(0.918)	806581	20.0000	19
63 Dibromochloromethane	129	17.151	17.151	(0.934)	2009358	20.0000	19
64 1,2-Dibromoethane	107	17.424	17.424	(0.949)	1455043	20.0000	17
* 65 Chlorobenzene-d5	117	18.360	18.360	(1.000)	2434154	10.0000	
66 Chlorobenzene	112	18.424	18.424	(1.003)	2354200	20.0000	18
67 n-Nonane	57	18.820	18.815	(1.025)	1162983	20.0000	18
68 Ethylbenzene	91	18.601	18.601	(1.013)	3548888	20.0000	19
69 Xylene (m,p)	106	18.858	18.852	(1.027)	2851037	40.0000	38
M 70 Xylenes, Total	106				4316383	20.0000	57
71 Xylene (o)	106	19.692	19.687	(1.073)	1465346	20.0000	18
72 Styrene	104	19.735	19.735	(1.075)	1897251	20.0000	20
73 Bromoform	173	20.125	20.125	(1.096)	1614761	20.0000	20
74 Isopropylbenzene	105	20.398	20.398	(1.111)	4176229	20.0000	18
75 1,1,2,2-Tetrachloroethane	83	20.997	20.997	(1.144)	1903682	20.0000	18
76 n-Propylbenzene	91	21.131	21.126	(1.151)	4214664	20.0000	18
77 1,2,3-Trichloropropane	75	21.094	21.094	(1.149)	1344618	20.0000	17
78 n-Decane	57	21.367	21.366	(1.164)	1189231	20.0000	18
79 4-Ethyltoluene	105	21.324	21.318	(1.161)	3545619	20.0000	18
80 2-Chlorotoluene	91	21.313	21.313	(1.161)	2941079	20.0000	17
81 1,3,5-Trimethylbenzene	105	21.431	21.425	(1.167)	3254922	20.0000	18
82 Alpha Methyl Styrene	118	21.789	21.789	(1.187)	1568774	20.0000	21
83 tert-butylbenzene	119	21.923	21.923	(1.194)	3272320	20.0000	17
84 1,2,4-Trimethylbenzene	105	22.014	22.008	(1.199)	3082403	20.0000	18
85 sec-Butylbenzene	105	22.249	22.249	(1.212)	4531928	20.0000	18
86 4-Isopropyltoluene	119	22.453	22.452	(1.223)	3632935	20.0000	18(H)
87 1,3-Dichlorobenzene	146	22.463	22.463	(1.223)	1732896	20.0000	17
88 1,4-Dichlorobenzene	146	22.597	22.597	(1.231)	1717899	20.0000	18
89 Benzyl chloride	91	22.768	22.768	(1.240)	1769436	20.0000	19
90 Undecane	57	23.089	23.089	(1.258)	817485	20.0000	18
91 n-Butylbenzene	91	23.014	23.014	(1.253)	2689886	20.0000	19
92 1,2-Dichlorobenzene	146	23.111	23.110	(1.259)	1886412	20.0000	18
93 Dodecane	57	24.646	24.646	(1.342)	328929	20.0000	14
94 1,2,4-Trichlorobenzene	180	25.561	25.561	(1.392)	512232	20.0000	19
95 1,3-Hexachlorobutadiene	225	25.785	25.785	(1.404)	924644	20.0000	18
96 Naphthalene	128	26.010	26.010	(1.417)	1219451	20.0000	18
97 1,2,3-Trichlorobenzene	180	26.475	26.475	(1.442)	470003	20.0000	18

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: gia10.d
Client ID:
Operator: BL
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 474941
Lab Sample ID: IC 474941

Date: 23-MAR-2013 22:56
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32

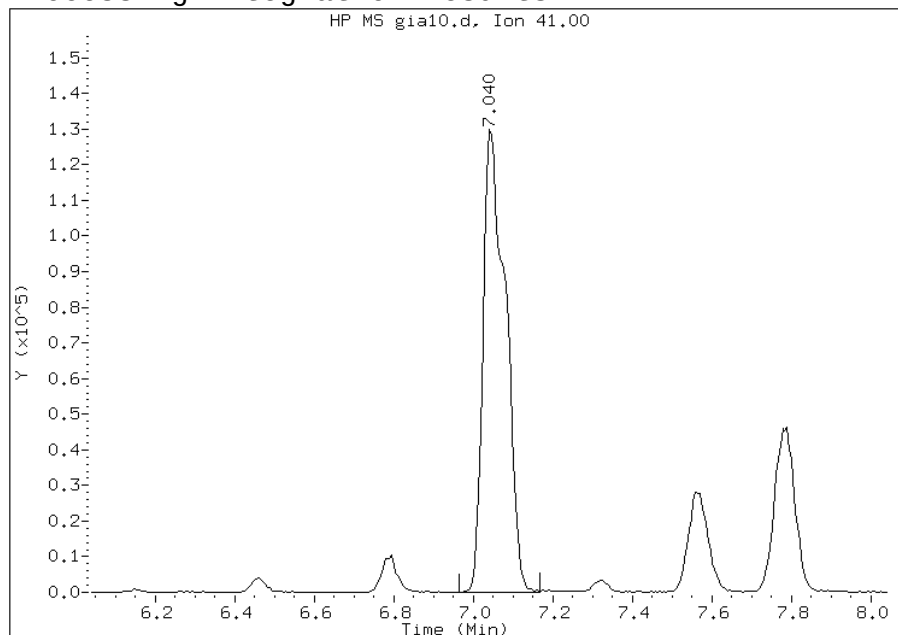


Manual Integration Report

Data File: gia10.d
Lab Sample ID: IC 474941
Inj. Date and Time: 23-MAR-2013 22:56
Instrument ID: G.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 03/25/2013

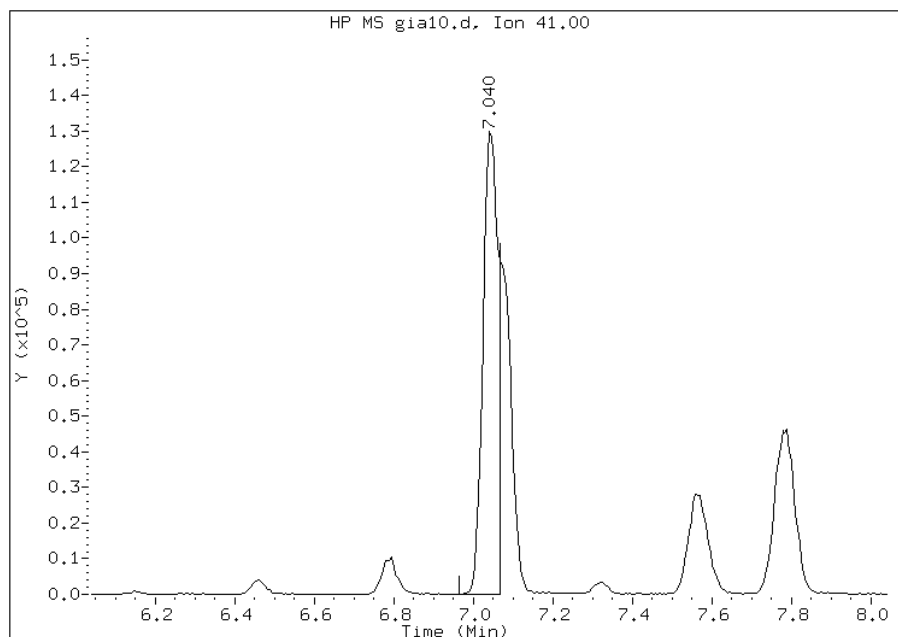
Processing Integration Results

RT: 7.04
Response: 511660
Amount: 23.36
Conc: 23.36



Manual Integration Results

RT: 7.04
Response: 341321
Amount: 19.89
Conc: 19.89



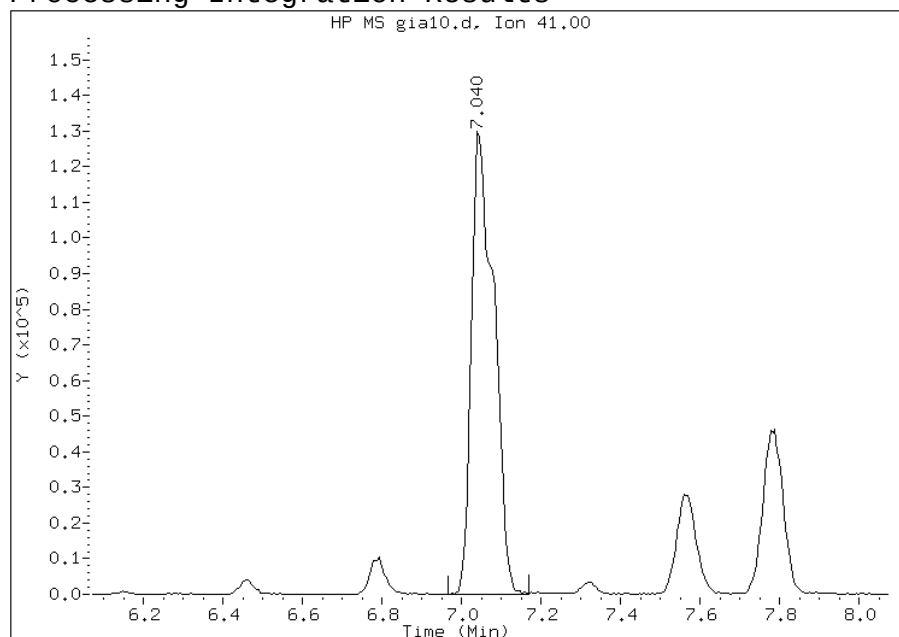
File Uploaded By: lyonsb
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: gia10.d
Lab Sample ID: IC 474941
Inj. Date and Time: 23-MAR-2013 22:56
Instrument ID: G.i
Client ID:
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 03/25/2013

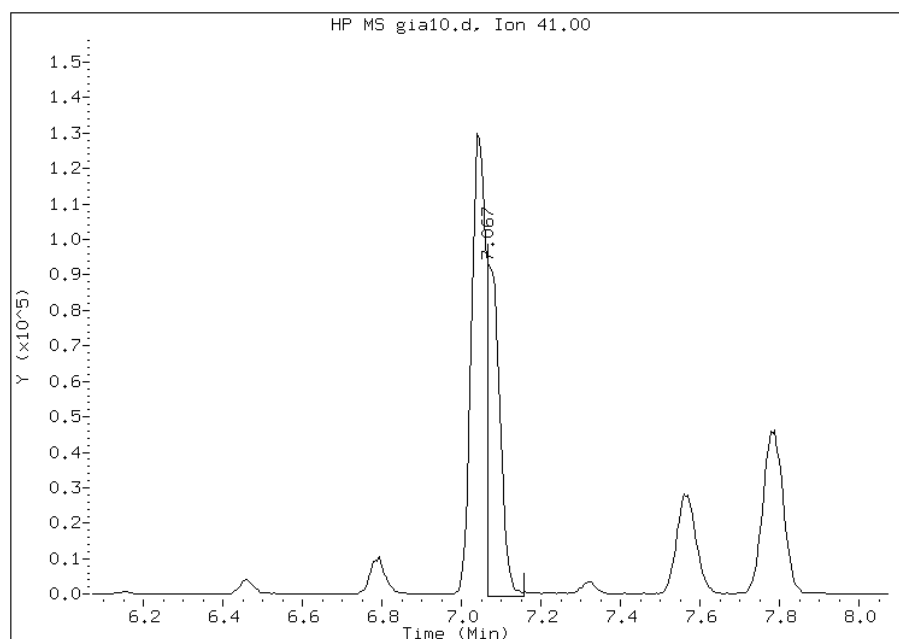
Processing Integration Results

RT: 7.04
Response: 511660
Amount: 21.19
Conc: 21.19



Manual Integration Results

RT: 7.07
Response: 203511
Amount: 21.49
Conc: 21.49



File Uploaded By: lyonsb
Manual Integration Reason: Analyte misidentified by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/giato15.b/gia11.d
Lab Smp Id: IC 474963
Inj Date : 23-MAR-2013 23:46
Operator : BL
Smp Info : IC 474963
Misc Info : 200,1
Comment :
Method : /chem/G.i/Gsvr.p/giato15.b/to15v5.m
Meth Date : 25-Mar-2013 11:25 lyonsb
Cal Date : 23-MAR-2013 23:46
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gia11.d
Calibration Sample, Level: 7
Compound Sublist: allT015.sub

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		3.001	3.001	(0.294)	412019	40.0000	36
2 Dichlorodifluoromethane	85		3.070	3.070	(0.301)	2746117	40.0000	36
3 Chlorodifluoromethane	51		3.113	3.113	(0.305)	1216017	40.0000	36
4 1,2-Dichloro-1,1,2,2-tetraflu	85		3.333	3.333	(0.327)	2558901	40.0000	35
5 Chloromethane	50		3.450	3.450	(0.338)	569135	40.0000	37
6 Butane	43		3.664	3.659	(0.359)	812570	40.0000	37
7 Vinyl chloride	62		3.691	3.691	(0.362)	736367	40.0000	34
8 1,3-Butadiene	54		3.771	3.771	(0.370)	453174	40.0000	39
9 Bromomethane	94		4.424	4.424	(0.434)	1012744	40.0000	35
10 Chloroethane	64		4.665	4.659	(0.457)	313009	40.0000	35
11 2-Methylbutane	43		4.772	4.772	(0.468)	614685	40.0000	36
12 Vinyl bromide	106		5.050	5.044	(0.495)	1064947	40.0000	36
13 Trichlorofluoromethane	101		5.178	5.173	(0.508)	3064045	40.0000	35
14 Pentane	43		5.339	5.333	(0.523)	912223	40.0000	38

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.719	5.702 (0.561)		499848	100.000	92
16 Ethyl ether	59	5.842	5.836 (0.573)		387766	40.0000	39
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.270	6.264 (0.615)		1952675	40.0000	36
18 Acrolein	56	6.152	6.146 (0.603)		220140	40.0000	40
19 1,1-Dichloroethene	96	6.275	6.275 (0.615)		801561	40.0000	36
20 Acetone	43	6.462	6.457 (0.633)		851671	40.0000	38
21 Carbon disulfide	76	6.655	6.655 (0.652)		2409182	40.0000	37
22 Isopropanol	45	6.799	6.783 (0.666)		625855	40.0000	38
23 Allyl chloride	41	7.045	7.040 (0.691)		706298	40.0000	40(M)
24 Acetonitrile	41	7.077	7.072 (0.694)		388288	40.0000	39(M)
25 Methylene chloride	49	7.324	7.318 (0.718)		739781	40.0000	37
26 Tert-butyl alcohol	59	7.575	7.564 (0.743)		1096601	40.0000	39
27 Methyl tert-butyl ether	73	7.784	7.783 (0.763)		1991611	40.0000	38
28 1,2-Dichloroethene (trans)	61	7.794	7.789 (0.764)		1099857	40.0000	37
29 Acrylonitrile	53	7.858	7.853 (0.770)		395941	40.0000	40(A)
30 n-Hexane	57	8.244	8.238 (0.808)		872381	40.0000	39
31 1,1-Dichloroethane	63	8.640	8.634 (0.847)		1410155	40.0000	38
32 Vinyl acetate	43	8.736	8.730 (0.856)		1307219	40.0000	41(A)
M 33 1,2-Dichloroethene,Total	61				2164869	80.0000	74
34 1,2-Dichloroethene (cis)	96	9.747	9.741 (0.955)		1065012	40.0000	37
35 Ethyl acetate	88	9.875	9.865 (0.968)		55063	40.0000	42(A)
36 Methyl Ethyl Ketone	72	9.779	9.774 (0.959)		314088	40.0000	38
* 37 Bromochloromethane	128	10.202	10.196 (1.000)		353602	10.0000	
38 Tetrahydrofuran	42	10.239	10.239 (0.838)		611330	40.0000	36
39 Chloroform	83	10.346	10.346 (1.014)		2507012	40.0000	38
40 Cyclohexane	84	10.678	10.672 (0.874)		1296968	40.0000	33
41 1,1,1-Trichloroethane	97	10.656	10.651 (0.872)		3075962	40.0000	33
42 Carbon tetrachloride	117	10.935	10.929 (0.895)		3765200	40.0000	34
43 2,2,4-Trimethylpentane	57	11.432	11.432 (0.935)		4395047	40.0000	36
44 Benzene	78	11.368	11.362 (0.930)		3570394	40.0000	36
45 1,2-Dichloroethane	62	11.512	11.502 (0.942)		1828440	40.0000	37
46 n-Heptane	43	11.844	11.833 (0.969)		1485893	40.0000	37
* 47 1,4-Difluorobenzene	114	12.224	12.224 (1.000)		2311145	10.0000	
48 n-Butanol	56	12.620	12.620 (1.032)		459949	40.0000	43(A)
49 Trichloroethene	95	12.721	12.716 (1.041)		2269025	40.0000	32
50 1,2-Dichloropropane	63	13.246	13.240 (1.084)		1555845	40.0000	38
51 Methyl methacrylate	69	13.465	13.460 (1.102)		1300880	40.0000	42(A)
52 Dibromomethane	174	13.502	13.492 (1.105)		2094473	40.0000	34
53 1,4-Dioxane	88	13.497	13.486 (1.104)		628926	40.0000	35
54 Bromodichloromethane	83	13.818	13.813 (1.130)		4251725	40.0000	39
55 1,3-Dichloropropene (cis)	75	14.802	14.797 (1.211)		2542410	40.0000	38
56 Methyl isobutyl ketone	43	15.097	15.097 (1.235)		2148937	40.0000	37
57 n-Octane	43	15.605	15.605 (1.277)		2280860	40.0000	32
58 Toluene	92	15.439	15.434 (0.841)		3439202	40.0000	38
59 1,3-Dichloropropene (trans)	75	16.011	16.006 (1.310)		2264478	40.0000	37
60 1,1,2-Trichloroethane	83	16.375	16.375 (0.892)		1614745	40.0000	37
61 Tetrachloroethene	166	16.578	16.573 (0.903)		3171142	40.0000	35

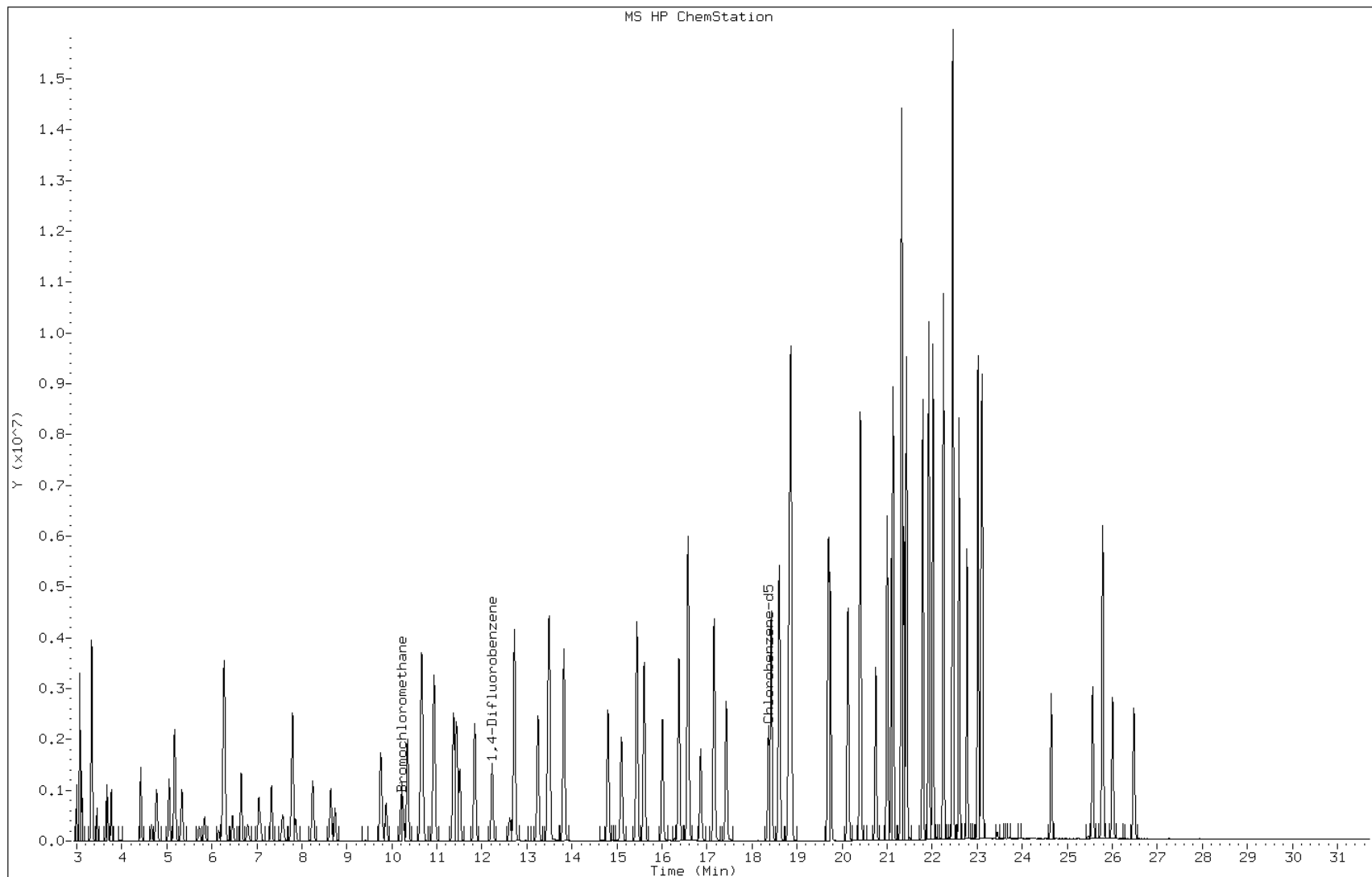
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	16.857	16.851	(0.918)	1832078	40.0000	43(A)
63 Dibromochloromethane	129	17.156	17.151	(0.934)	4280722	40.0000	42(A)
64 1,2-Dibromoethane	107	17.424	17.424	(0.949)	3232578	40.0000	39
* 65 Chlorobenzene-d5	117	18.365	18.360	(1.000)	2412755	10.0000	
66 Chlorobenzene	112	18.429	18.424	(1.003)	4777232	40.0000	37
67 n-Nonane	57	18.820	18.815	(1.025)	2211578	40.0000	35
68 Ethylbenzene	91	18.606	18.601	(1.013)	7124171	40.0000	39
69 Xylene (m,p)	106	18.863	18.852	(1.027)	5420663	80.0000	73
M 70 Xylenes, Total	106				8536974	40.0000	110
71 Xylene (o)	106	19.692	19.687	(1.072)	3116311	40.0000	39
72 Styrene	104	19.735	19.735	(1.075)	4286418	40.0000	45(A)
73 Bromoform	173	20.131	20.125	(1.096)	3549222	40.0000	44(A)
74 Isopropylbenzene	105	20.404	20.398	(1.111)	9628345	40.0000	42(A)
75 1,1,2,2-Tetrachloroethane	83	21.003	20.997	(1.144)	4455150	40.0000	42(A)
76 n-Propylbenzene	91	21.131	21.126	(1.151)	9788291	40.0000	42(A)
77 1,2,3-Trichloropropane	75	21.094	21.094	(1.149)	3189122	40.0000	42(A)
78 n-Decane	57	21.372	21.366	(1.164)	2841002	40.0000	44(A)
79 4-Ethyltoluene	105	21.324	21.318	(1.161)	8040643	40.0000	42(A)
80 2-Chlorotoluene	91	21.318	21.313	(1.161)	6510419	40.0000	39
81 1,3,5-Trimethylbenzene	105	21.431	21.425	(1.167)	7644814	40.0000	43(A)
82 Alpha Methyl Styrene	118	21.794	21.789	(1.187)	3922590	40.0000	53(A)
83 tert-butylbenzene	119	21.923	21.923	(1.194)	7585737	40.0000	41(A)
84 1,2,4-Trimethylbenzene	105	22.014	22.008	(1.199)	7360100	40.0000	44(A)
85 sec-Butylbenzene	105	22.255	22.249	(1.212)	10487522	40.0000	41(A)
86 4-Isopropyltoluene	119	22.452	22.452	(1.223)	8187922	40.0000	41(AH)
87 1,3-Dichlorobenzene	146	22.469	22.463	(1.223)	4151730	40.0000	42(A)
88 1,4-Dichlorobenzene	146	22.597	22.597	(1.230)	4551837	40.0000	49(A)
89 Benzyl chloride	91	22.773	22.768	(1.240)	4978868	40.0000	55(A)
90 Undecane	57	23.089	23.089	(1.257)	2346694	40.0000	53(A)
91 n-Butylbenzene	91	23.020	23.014	(1.253)	6672429	40.0000	48(A)
92 1,2-Dichlorobenzene	146	23.116	23.110	(1.259)	4605539	40.0000	44(A)
93 Dodecane	57	24.646	24.646	(1.342)	1296795	40.0000	56(A)
94 1,2,4-Trichlorobenzene	180	25.566	25.561	(1.392)	1503231	40.0000	57(A)
95 1,3-Hexachlorobutadiene	225	25.785	25.785	(1.404)	1818570	40.0000	35
96 Naphthalene	128	26.010	26.010	(1.416)	3898847	40.0000	60(A)
97 1,2,3-Trichlorobenzene	180	26.481	26.475	(1.442)	1420767	40.0000	54(A)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: gia11.d
Client ID:
Operator: BL
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 474963
Lab Sample ID: IC 474963

Date: 23-MAR-2013 23:46
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32

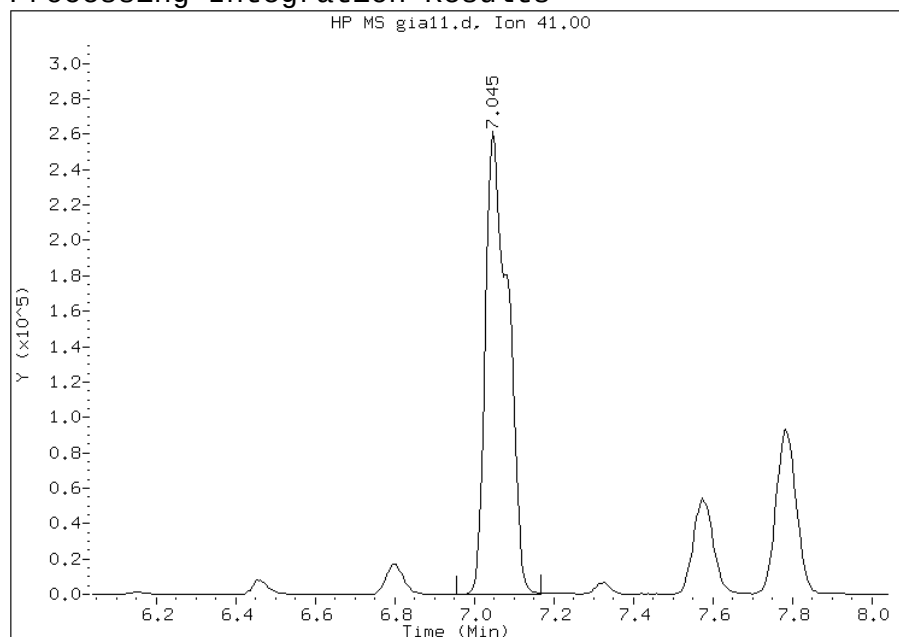


Manual Integration Report

Data File: gia11.d
Lab Sample ID: IC 474963
Inj. Date and Time: 23-MAR-2013 23:46
Instrument ID: G.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 03/25/2013

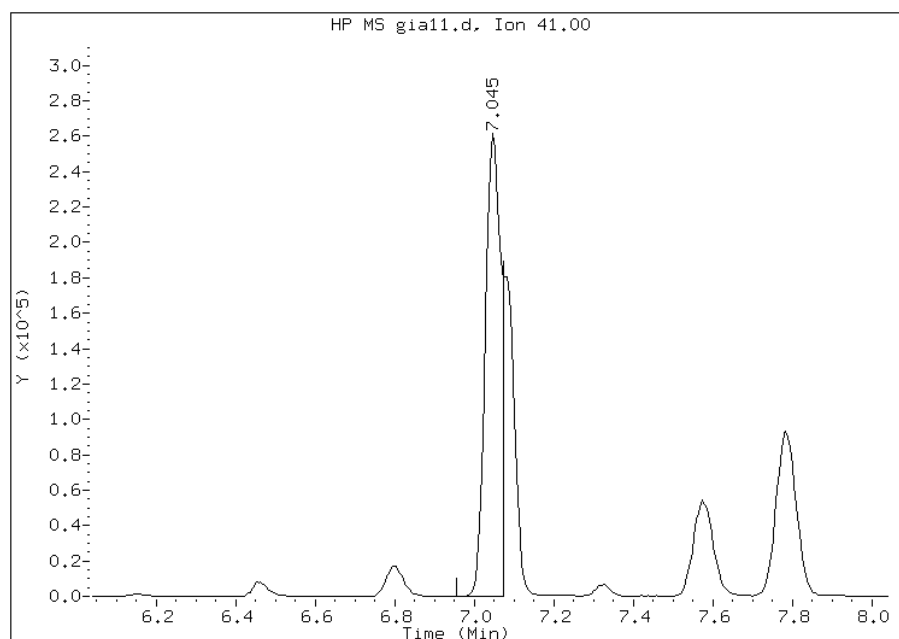
Processing Integration Results

RT: 7.05
Response: 1033186
Amount: 45.42
Conc: 45.42



Manual Integration Results

RT: 7.05
Response: 706298
Amount: 39.63
Conc: 39.63



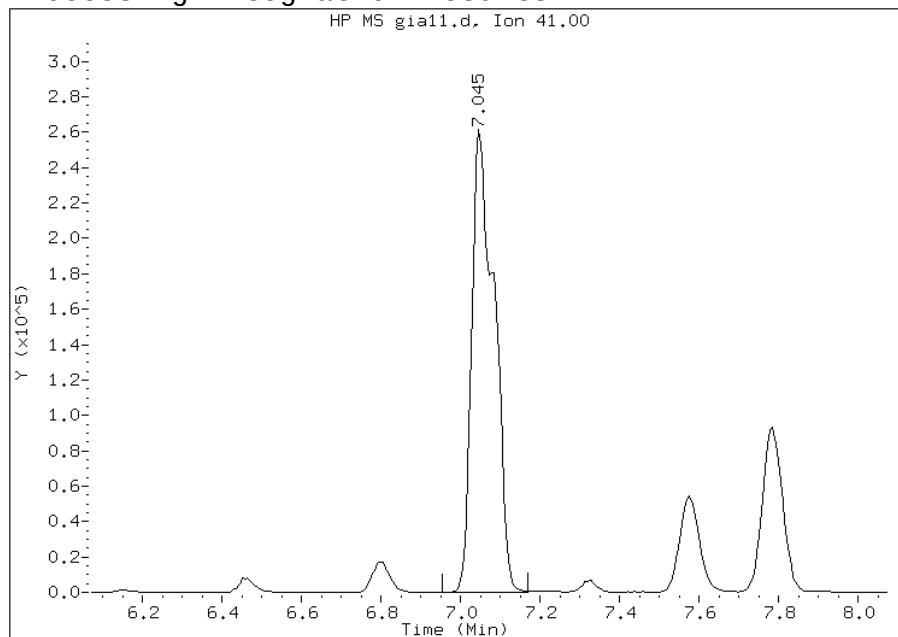
File Uploaded By: lyonsb
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: gia11.d
Lab Sample ID: IC 474963
Inj. Date and Time: 23-MAR-2013 23:46
Instrument ID: G.i
Client ID:
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 03/25/2013

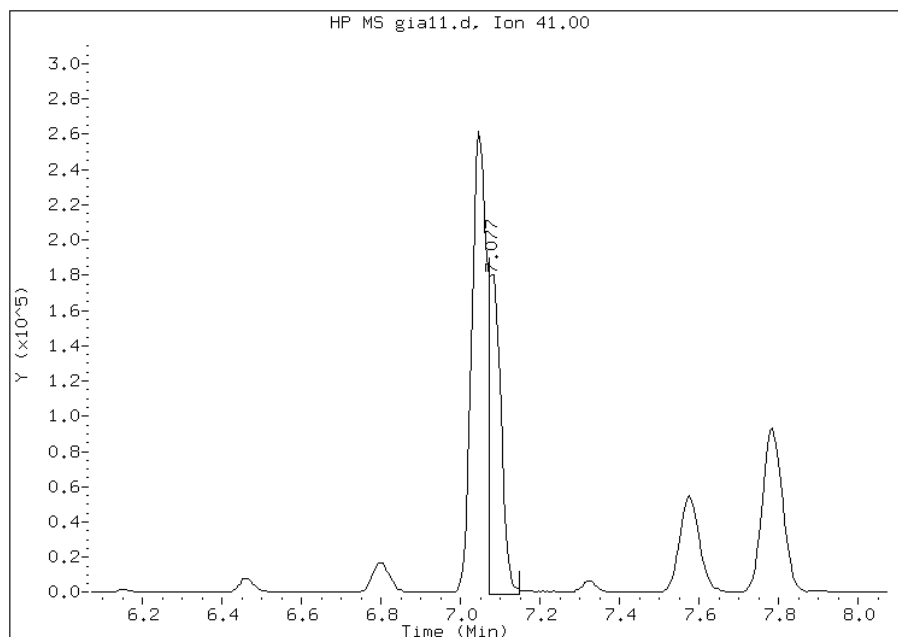
Processing Integration Results

RT: 7.05
Response: 1033186
Amount: 41.20
Conc: 41.20



Manual Integration Results

RT: 7.08
Response: 388288
Amount: 39.47
Conc: 39.47



File Uploaded By: lyonsb
Manual Integration Reason: Analyte misidentified by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/giato15.b/gia19.d
Lab Smp Id: IC 474964
Inj Date : 24-MAR-2013 13:22
Operator : BL
Smp Info : IC 474964
Misc Info : 200,1
Comment :
Method : /chem/G.i/Gsvr.p/giato15.b/to15v5.m
Meth Date : 25-Mar-2013 11:25 lyonsb
Cal Date : 24-MAR-2013 13:22
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gia19.d
Calibration Sample, Level: 1
Compound Sublist: allT015.sub

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		3.001	3.001	(0.294)	4939	0.20000	0.47(aQ)
2 Dichlorodifluoromethane	85		3.070	3.070	(0.301)	14254	0.20000	0.20(a)
3 Chlorodifluoromethane	51		Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85		3.338	3.333	(0.328)	13267	0.20000	0.20
5 Chloromethane	50		3.450	3.450	(0.339)	6377	0.20000	0.45(a)
6 Butane	43		Compound Not Detected.					
7 Vinyl chloride	62		3.686	3.691	(0.362)	3601	0.20000	0.18(a)
8 1,3-Butadiene	54		3.771	3.771	(0.370)	1658	0.20000	0.16(a)
9 Bromomethane	94		4.424	4.424	(0.434)	5533	0.20000	0.21
10 Chloroethane	64		4.654	4.659	(0.457)	1479	0.20000	0.18(aQ)
11 2-Methylbutane	43		4.761	4.772	(0.467)	2891	0.20000	0.19(aM)
12 Vinyl bromide	106		5.050	5.044	(0.496)	5188	0.20000	0.19(aM)
13 Trichlorofluoromethane	101		5.173	5.173	(0.508)	15677	0.20000	0.20
14 Pentane	43		5.333	5.333	(0.523)	4273	0.20000	0.19(aM)

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.718	5.702 (0.561)		3801	0.20000	0.77(a)
16 Ethyl ether	59	5.852	5.836 (0.574)		1635	0.20000	0.18(a)
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.264	6.264 (0.615)		9517	0.20000	0.19(a)
18 Acrolein	56	Compound Not Detected.					
19 1,1-Dichloroethene	96	6.275	6.275 (0.616)		3834	0.20000	0.19(a)
20 Acetone	43	6.457	6.457 (0.634)		104093	0.20000	5.0
21 Carbon disulfide	76	6.649	6.655 (0.652)		13317	0.20000	0.22(a)
22 Isopropanol	45	6.821	6.783 (0.669)		12992	0.20000	0.87(a)
23 Allyl chloride	41	7.045	7.040 (0.691)		3038	0.20000	0.19(a)
24 Acetonitrile	41	7.083	7.072 (0.695)		3696	0.20000	0.41(aQH)
25 Methylene chloride	49	7.318	7.318 (0.718)		4754	0.20000	0.26(a)
26 Tert-butyl alcohol	59	Compound Not Detected.					
27 Methyl tert-butyl ether	73	7.821	7.783 (0.767)		9385	0.20000	0.20
28 1,2-Dichloroethene (trans)	61	7.794	7.789 (0.765)		5278	0.20000	0.19(a)
29 Acrylonitrile	53	7.853	7.853 (0.771)		1745	0.20000	0.19(a)
30 n-Hexane	57	8.249	8.238 (0.809)		4174	0.20000	0.20(TQ)
31 1,1-Dichloroethane	63	8.634	8.634 (0.847)		6322	0.20000	0.19(a)
32 Vinyl acetate	43	8.741	8.730 (0.858)		4918	0.20000	0.17(a)
M 33 1,2-Dichloroethene,Total	61				11046	0.40000	0.41
34 1,2-Dichloroethene (cis)	96	9.736	9.741 (0.955)		5768	0.20000	0.22
35 Ethyl acetate	88	Compound Not Detected.					
36 Methyl Ethyl Ketone	72	9.790	9.774 (0.961)		3850	0.20000	0.51
* 37 Bromochloromethane	128	10.191	10.196 (1.000)		322652	10.0000	
38 Tetrahydrofuran	42	10.271	10.239 (0.841)		2952	0.20000	0.22(a)
39 Chloroform	83	10.335	10.346 (1.014)		12683	0.20000	0.21
40 Cyclohexane	84	10.662	10.672 (0.873)		6243	0.20000	0.20
41 1,1,1-Trichloroethane	97	10.651	10.651 (0.872)		14626	0.20000	0.19(a)
42 Carbon tetrachloride	117	10.924	10.929 (0.894)		16862	0.20000	0.19(a)
43 2,2,4-Trimethylpentane	57	11.427	11.432 (0.935)		19994	0.20000	0.20
44 Benzene	78	11.373	11.362 (0.931)		17484	0.20000	0.22
45 1,2-Dichloroethane	62	11.496	11.502 (0.941)		8352	0.20000	0.21
46 n-Heptane	43	11.839	11.833 (0.969)		7352	0.20000	0.23
* 47 1,4-Difluorobenzene	114	12.218	12.224 (1.000)		1873704	10.0000	
48 n-Butanol	56	Compound Not Detected.					
49 Trichloroethene	95	12.716	12.716 (1.041)		11171	0.20000	0.20
50 1,2-Dichloropropane	63	13.240	13.240 (1.084)		6904	0.20000	0.21
51 Methyl methacrylate	69	13.476	13.460 (1.103)		4172	0.20000	0.17(a)
52 Dibromomethane	174	13.486	13.492 (1.104)		10570	0.20000	0.21
53 1,4-Dioxane	88	13.540	13.486 (1.108)		2820	0.20000	0.19(a)
54 Bromodichloromethane	83	13.813	13.813 (1.130)		16742	0.20000	0.19(a)
55 1,3-Dichloropropene (cis)	75	14.797	14.797 (1.211)		11314	0.20000	0.21
56 Methyl isobutyl ketone	43	15.107	15.097 (1.236)		9152	0.20000	0.20(a)
57 n-Octane	43	15.599	15.605 (1.277)		14027	0.20000	0.24(a)
58 Toluene	92	15.428	15.434 (0.840)		18274	0.20000	0.22
59 1,3-Dichloropropene (trans)	75	16.006	16.006 (1.310)		10050	0.20000	0.20
60 1,1,2-Trichloroethane	83	16.370	16.375 (0.892)		8277	0.20000	0.21
61 Tetrachloroethene	166	16.573	16.573 (0.903)		18340	0.20000	0.22

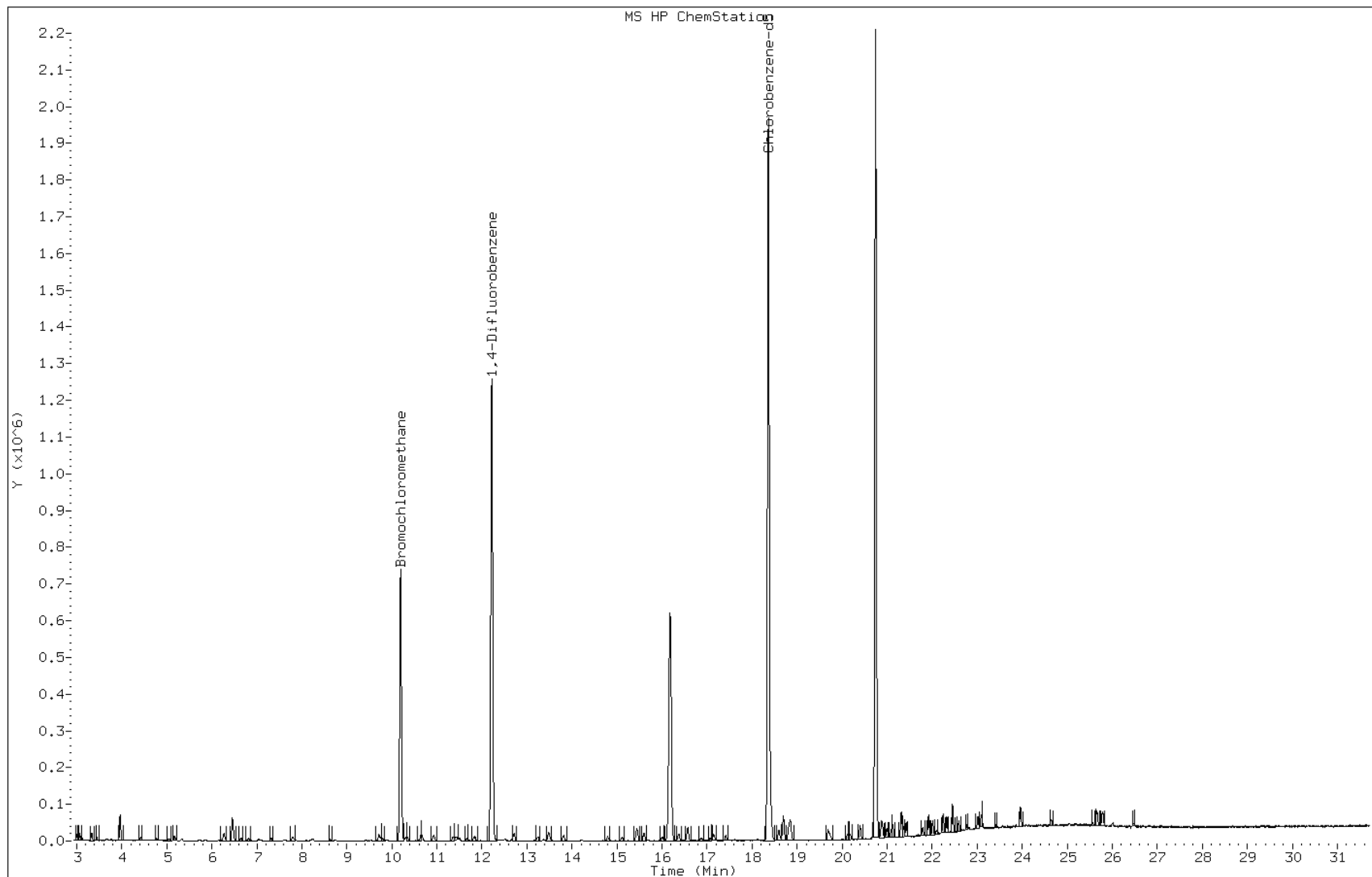
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	16.878	16.851	(0.919)	8935	0.20000	0.23(a)
63 Dibromochloromethane	129	17.151	17.151	(0.934)	16711	0.20000	0.18(a)
64 1,2-Dibromoethane	107	17.418	17.424	(0.949)	15374	0.20000	0.20
* 65 Chlorobenzene-d5	117	18.360	18.360	(1.000)	2184621	10.0000	
66 Chlorobenzene	112	18.424	18.424	(1.003)	26734	0.20000	0.23
67 n-Nonane	57	18.809	18.815	(1.024)	16789	0.20000	0.29
68 Ethylbenzene	91	18.601	18.601	(1.013)	35066	0.20000	0.21
69 Xylene (m,p)	106	18.852	18.852	(1.027)	28756	0.40000	0.43
M 70 Xylenes, Total	106				43100	0.20000	0.63
71 Xylene (o)	106	19.687	19.687	(1.072)	14344	0.20000	0.20
72 Styrene	104	19.729	19.735	(1.075)	14184	0.20000	0.17(a)
73 Bromoform	173	20.125	20.125	(1.096)	11728	0.20000	0.16(a)
74 Isopropylbenzene	105	20.403	20.398	(1.111)	40324	0.20000	0.19(a)
75 1,1,2,2-Tetrachloroethane	83	20.997	20.997	(1.144)	17764	0.20000	0.18(a)
76 n-Propylbenzene	91	21.126	21.126	(1.151)	40818	0.20000	0.19(a)
77 1,2,3-Trichloropropane	75	21.094	21.094	(1.149)	14758	0.20000	0.21(a)
78 n-Decane	57	Compound Not Detected.					
79 4-Ethyltoluene	105	21.313	21.318	(1.161)	32490	0.20000	0.19(a)
80 2-Chlorotoluene	91	21.313	21.313	(1.161)	30343	0.20000	0.20
81 1,3,5-Trimethylbenzene	105	21.425	21.425	(1.167)	30662	0.20000	0.19(a)
82 Alpha Methyl Styrene	118	21.784	21.789	(1.186)	8885	0.20000	0.13(a)
83 tert-butylbenzene	119	21.917	21.923	(1.194)	33933	0.20000	0.20
84 1,2,4-Trimethylbenzene	105	22.008	22.008	(1.199)	27765	0.20000	0.18(a)
85 sec-Butylbenzene	105	22.249	22.249	(1.212)	46221	0.20000	0.20
86 4-Isopropyltoluene	119	22.452	22.452	(1.223)	35847	0.20000	0.20
87 1,3-Dichlorobenzene	146	22.463	22.463	(1.223)	17763	0.20000	0.20
88 1,4-Dichlorobenzene	146	22.597	22.597	(1.231)	16255	0.20000	0.19(a)
89 Benzyl chloride	91	22.773	22.768	(1.240)	14306	0.20000	0.18(a)
90 Undecane	57	23.084	23.089	(1.257)	10123	0.20000	0.25(a)
91 n-Butylbenzene	91	23.014	23.014	(1.254)	23888	0.20000	0.19(a)
92 1,2-Dichlorobenzene	146	23.116	23.110	(1.259)	19056	0.20000	0.20
93 Dodecane	57	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	25.561	25.561	(1.392)	4701	0.20000	0.20(a)
95 1,3-Hexachlorobutadiene	225	25.785	25.785	(1.404)	10907	0.20000	0.23
96 Naphthalene	128	26.005	26.010	(1.416)	11667	0.20000	0.20(a)
97 1,2,3-Trichlorobenzene	180	26.481	26.475	(1.442)	5039	0.20000	0.21

QC Flag Legend

- T - Target compound detected outside RT window.
- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: gia19.d
Client ID:
Operator: BL
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 474964
Lab Sample ID: IC 474964

Date: 24-MAR-2013 13:22
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



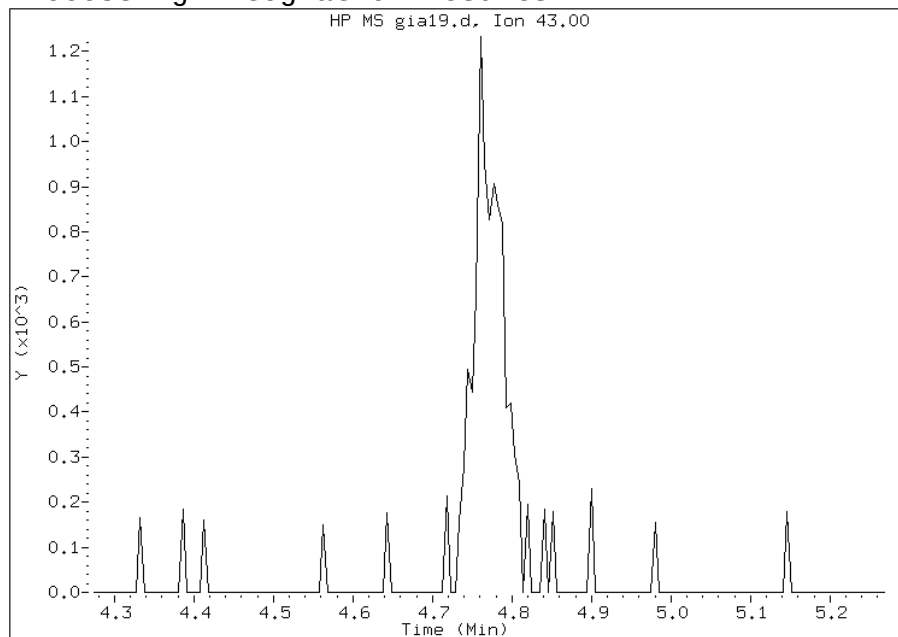
Manual Integration Report

Data File: gia19.d
Lab Sample ID: IC 474964
Inj. Date and Time: 24-MAR-2013 13:22
Instrument ID: G.i
Client ID:
Compound: 11 2-Methylbutane
CAS #: 78-78-4
Report Date: 03/25/2013

Not Detected

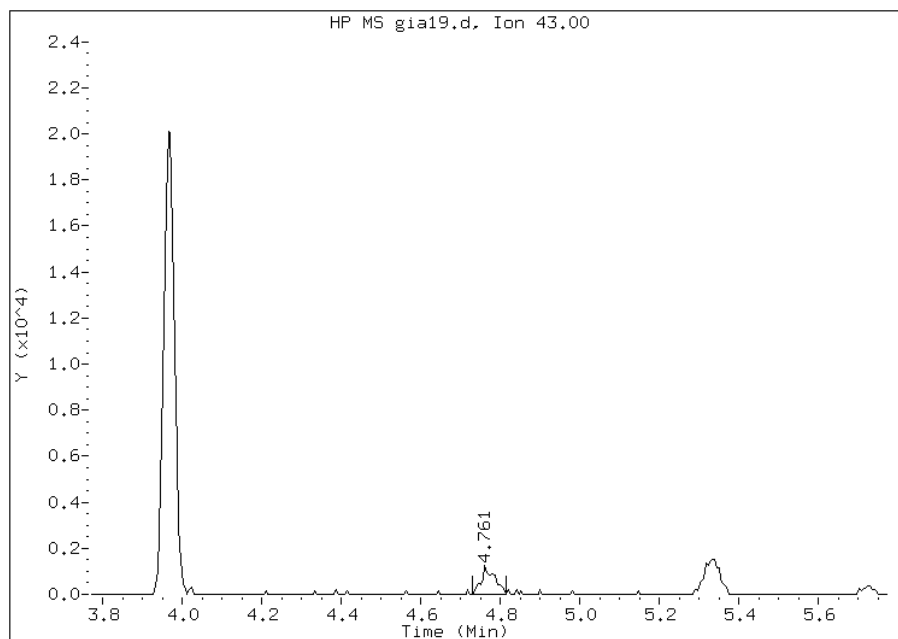
Expected RT: 4.77

Processing Integration Results



Manual Integration Results

RT: 4.76
Response: 2891
Amount: 0.187196
Conc: 0.187196



File Uploaded By: lyonsb
Manual Integration Reason: Peak not found by the data system

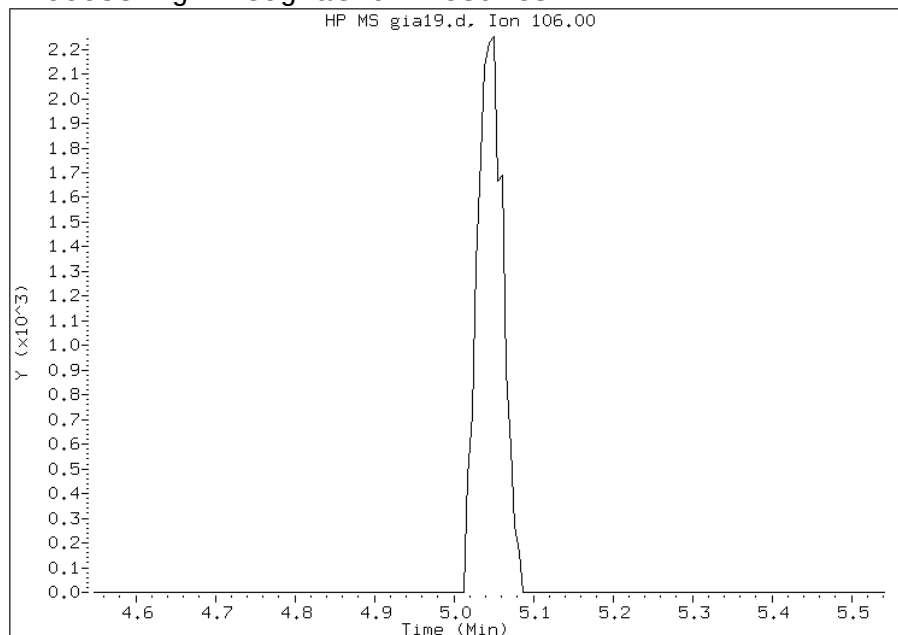
Manual Integration Report

Data File: gia19.d
Lab Sample ID: IC 474964
Inj. Date and Time: 24-MAR-2013 13:22
Instrument ID: G.i
Client ID:
Compound: 12 Vinyl bromide
CAS #: 593-60-2
Report Date: 03/25/2013

Not Detected

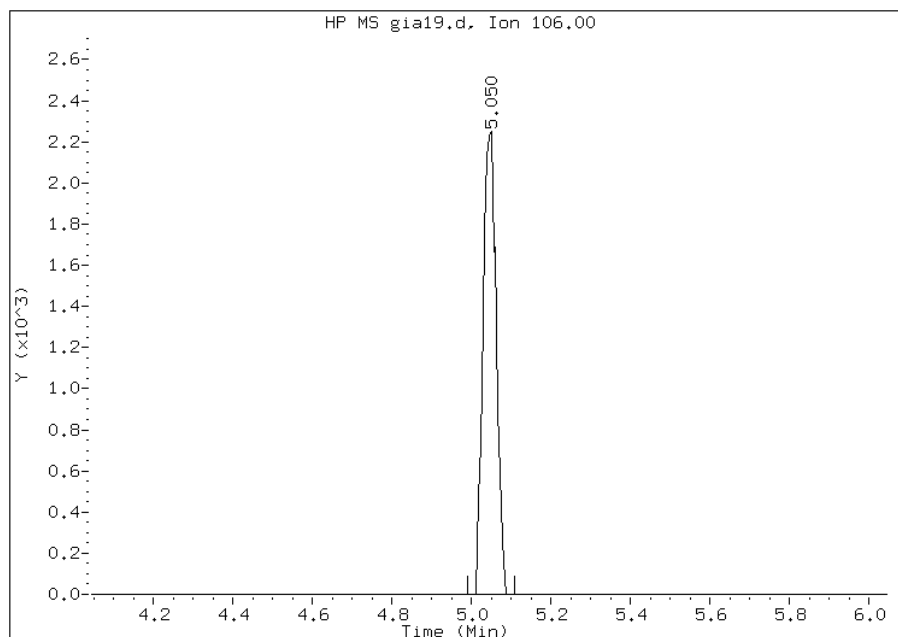
Expected RT: 5.04

Processing Integration Results



Manual Integration Results

RT: 5.05
Response: 5188
Amount: 0.189972
Conc: 0.189972



File Uploaded By: lyonsb
Manual Integration Reason: Peak not found by the data system

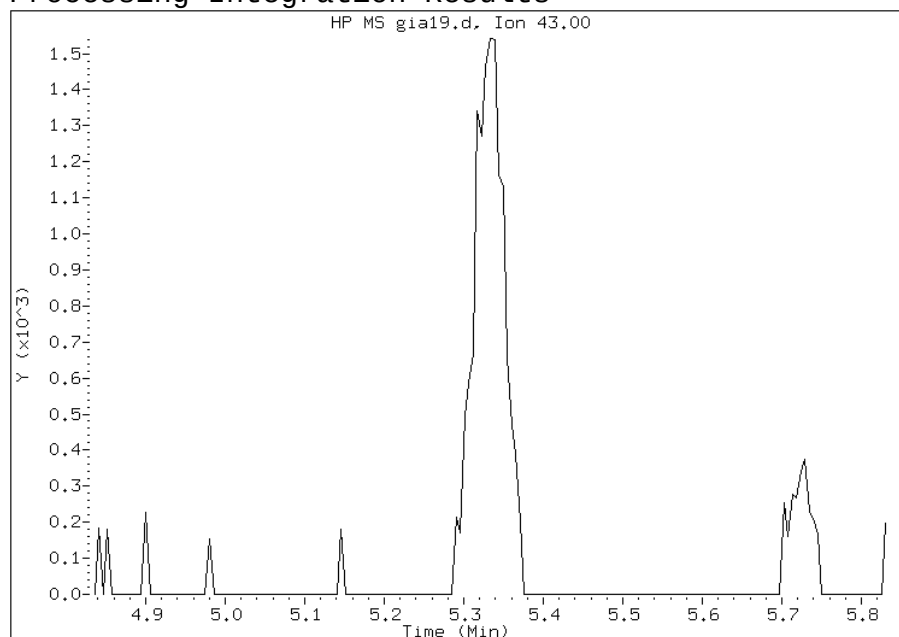
Manual Integration Report

Data File: gia19.d
Lab Sample ID: IC 474964
Inj. Date and Time: 24-MAR-2013 13:22
Instrument ID: G.i
Client ID:
Compound: 14 Pentane
CAS #: 109-66-0
Report Date: 03/25/2013

Processing Integration Results

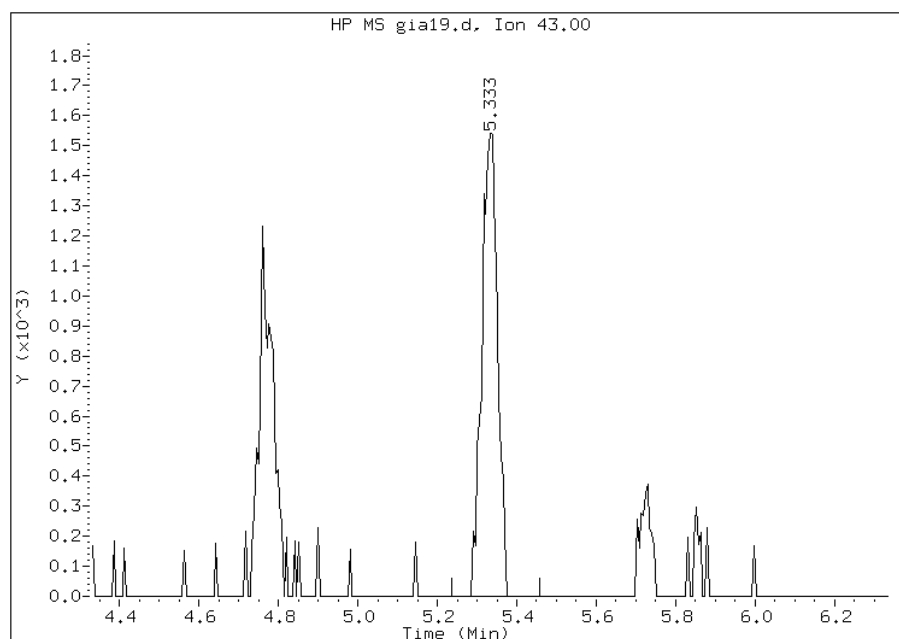
Not Detected

Expected RT: 5.33



Manual Integration Results

RT: 5.33
Response: 4273
Amount: 0.194869
Conc: 0.194869



File Uploaded By: lyonsb
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/giato15.b/gia20.d
Lab Smp Id: IC 472092
Inj Date : 24-MAR-2013 14:13
Operator : BL
Smp Info : IC 472092
Misc Info : 200,1
Comment :
Method : /chem/G.i/Gsvr.p/giato15.b/to15v5.m
Meth Date : 25-Mar-2013 11:25 lyonsb
Cal Date : 24-MAR-2013 14:13
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gia20.d
Calibration Sample, Level: 3
Compound Sublist: allT015.sub

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		3.001	3.001	(0.294)	50439	5.00000	4.8(a)
2 Dichlorodifluoromethane	85		3.071	3.070	(0.301)	362230	5.00000	5.2
3 Chlorodifluoromethane	51		3.113	3.113	(0.305)	156205	5.00000	5.1
4 1,2-Dichloro-1,1,2,2-tetraflu	85		3.327	3.333	(0.326)	344505	5.00000	5.2
5 Chloromethane	50		3.445	3.450	(0.338)	69696	5.00000	5.0
6 Butane	43		3.659	3.659	(0.359)	101182	5.00000	5.1
7 Vinyl chloride	62		3.686	3.691	(0.361)	93374	5.00000	4.8
8 1,3-Butadiene	54		3.766	3.771	(0.369)	56341	5.00000	5.4
9 Bromomethane	94		4.419	4.424	(0.433)	136056	5.00000	5.2
10 Chloroethane	64		4.659	4.659	(0.457)	40550	5.00000	5.0
11 2-Methylbutane	43		4.772	4.772	(0.468)	77452	5.00000	5.1
12 Vinyl bromide	106		5.045	5.044	(0.495)	134436	5.00000	5.0
13 Trichlorofluoromethane	101		5.168	5.173	(0.507)	403876	5.00000	5.1
14 Pentane	43		5.328	5.333	(0.523)	110437	5.00000	5.1

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.697	5.702 (0.559)		53150	10.0000	11
16 Ethyl ether	59	5.836	5.836 (0.572)		46930	5.00000	5.2
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.264	6.264 (0.614)		255438	5.00000	5.2
18 Acrolein	56	6.147	6.146 (0.603)		24384	5.00000	4.9(a)
19 1,1-Dichloroethene	96	6.270	6.275 (0.615)		104507	5.00000	5.2
20 Acetone	43	6.457	6.457 (0.633)		105931	5.00000	5.2
21 Carbon disulfide	76	6.650	6.655 (0.652)		302843	5.00000	5.2
22 Isopropanol	45	6.783	6.783 (0.665)		71509	5.00000	4.9(a)
23 Allyl chloride	41	7.045	7.040 (0.691)		87981	5.00000	5.5
24 Acetonitrile	41	7.072	7.072 (0.694)		39940	5.00000	4.5(aQMH)
25 Methylene chloride	49	7.318	7.318 (0.718)		93444	5.00000	5.1
26 Tert-butyl alcohol	59	7.564	7.564 (0.742)		122015	5.00000	4.8(a)
27 Methyl tert-butyl ether	73	7.784	7.783 (0.763)		250804	5.00000	5.3
28 1,2-Dichloroethene (trans)	61	7.789	7.789 (0.764)		141905	5.00000	5.3
29 Acrylonitrile	53	7.853	7.853 (0.770)		46135	5.00000	5.2
30 n-Hexane	57	8.244	8.238 (0.808)		105766	5.00000	5.2
31 1,1-Dichloroethane	63	8.634	8.634 (0.847)		172826	5.00000	5.2
32 Vinyl acetate	43	8.731	8.730 (0.856)		143177	5.00000	5.0
M 33 1,2-Dichloroethene,Total	61				275462	10.0000	10
34 1,2-Dichloroethene (cis)	96	9.742	9.741 (0.955)		133557	5.00000	5.1
35 Ethyl acetate	88	9.865	9.865 (0.967)		6019	5.00000	5.0
36 Methyl Ethyl Ketone	72	9.779	9.774 (0.959)		36477	5.00000	4.9
* 37 Bromochloromethane	128	10.196	10.196 (1.000)		319364	10.0000	
38 Tetrahydrofuran	42	10.239	10.239 (0.838)		70385	5.00000	5.4
39 Chloroform	83	10.341	10.346 (1.014)		311880	5.00000	5.2
40 Cyclohexane	84	10.667	10.672 (0.873)		160588	5.00000	5.3
41 1,1,1-Trichloroethane	97	10.651	10.651 (0.872)		387029	5.00000	5.4
42 Carbon tetrachloride	117	10.929	10.929 (0.894)		453193	5.00000	5.2
43 2,2,4-Trimethylpentane	57	11.427	11.432 (0.935)		484951	5.00000	5.2
44 Benzene	78	11.363	11.362 (0.930)		394981	5.00000	5.1
45 1,2-Dichloroethane	62	11.502	11.502 (0.941)		200932	5.00000	5.2
46 n-Heptane	43	11.833	11.833 (0.968)		157655	5.00000	5.1
* 47 1,4-Difluorobenzene	114	12.219	12.224 (1.000)		1795489	10.0000	
48 n-Butanol	56	12.620	12.620 (1.033)		40101	5.00000	4.8(a)
49 Trichloroethene	95	12.721	12.716 (1.041)		278271	5.00000	5.1
50 1,2-Dichloropropane	63	13.240	13.240 (1.084)		160397	5.00000	5.1
51 Methyl methacrylate	69	13.460	13.460 (1.102)		128440	5.00000	5.3
52 Dibromomethane	174	13.492	13.492 (1.104)		260557	5.00000	5.5
53 1,4-Dioxane	88	13.486	13.486 (1.104)		69558	5.00000	4.9(a)
54 Bromodichloromethane	83	13.813	13.813 (1.130)		449188	5.00000	5.3
55 1,3-Dichloropropene (cis)	75	14.797	14.797 (1.211)		265254	5.00000	5.0
56 Methyl isobutyl ketone	43	15.091	15.097 (1.235)		233381	5.00000	5.2
57 n-Octane	43	15.605	15.605 (1.277)		271370	5.00000	4.9
58 Toluene	92	15.434	15.434 (0.841)		404866	5.00000	4.7
59 1,3-Dichloropropene (trans)	75	16.001	16.006 (1.310)		248069	5.00000	5.2
60 1,1,2-Trichloroethane	83	16.365	16.375 (0.891)		192286	5.00000	4.8
61 Tetrachloroethene	166	16.573	16.573 (0.903)		412725	5.00000	4.9

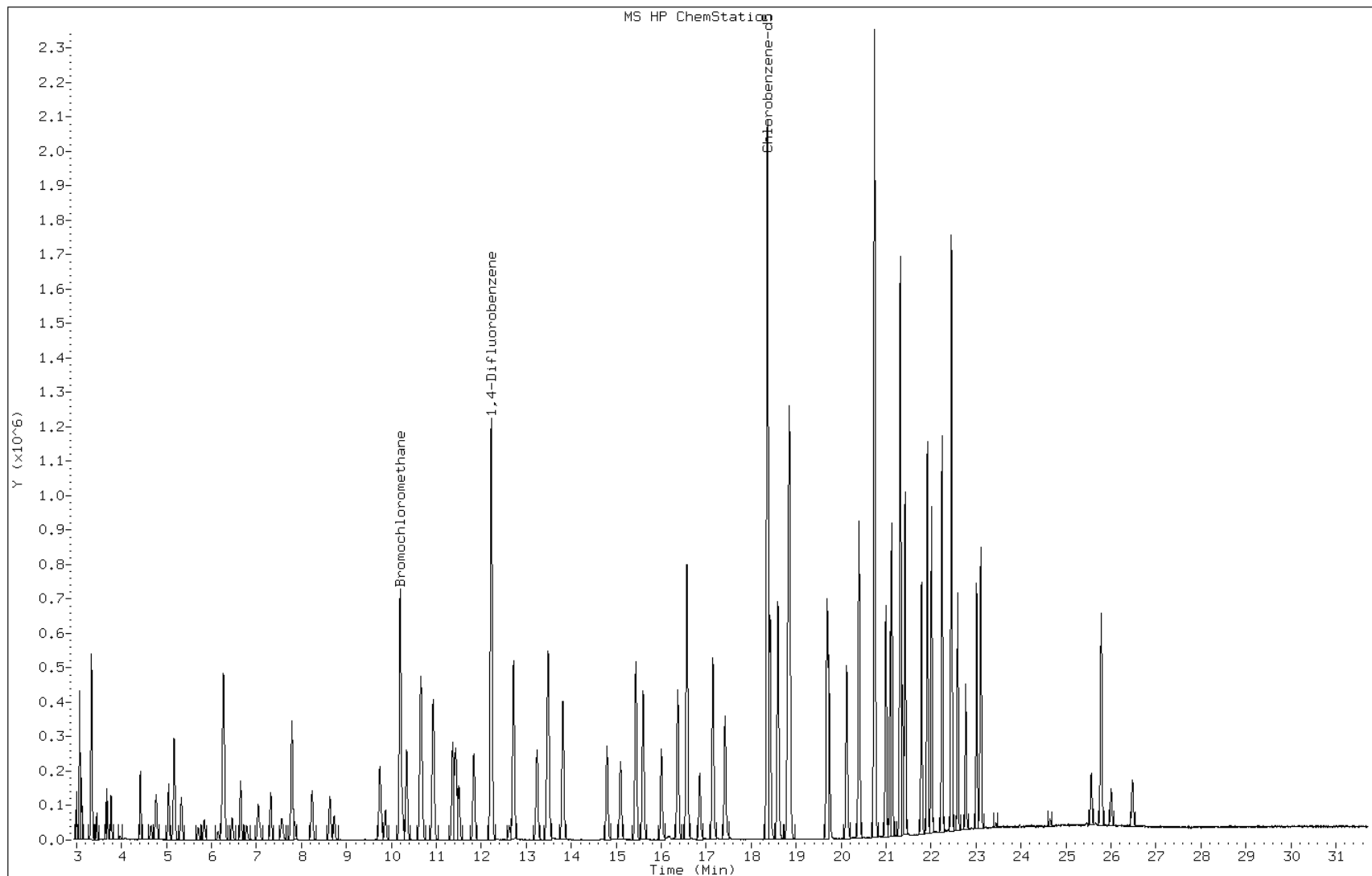
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	16.851	16.851	(0.918)	195385	5.00000	4.9
63 Dibromochloromethane	129	17.151	17.151	(0.934)	490691	5.00000	5.1
64 1,2-Dibromoethane	107	17.419	17.424	(0.949)	425314	5.00000	5.5
* 65 Chlorobenzene-d5	117	18.360	18.360	(1.000)	2250976	10.0000	
66 Chlorobenzene	112	18.419	18.424	(1.003)	626292	5.00000	5.2
67 n-Nonane	57	18.809	18.815	(1.024)	261645	5.00000	4.4
68 Ethylbenzene	91	18.595	18.601	(1.013)	878902	5.00000	5.1
69 Xylene (m,p)	106	18.847	18.852	(1.026)	668461	10.0000	9.7
M 70 Xylenes, Total	106				1023158	5.00000	14
71 Xylene (o)	106	19.687	19.687	(1.072)	354697	5.00000	4.8
72 Styrene	104	19.730	19.735	(1.075)	428318	5.00000	4.8
73 Bromoform	173	20.125	20.125	(1.096)	371395	5.00000	4.9
74 Isopropylbenzene	105	20.398	20.398	(1.111)	993804	5.00000	4.6
75 1,1,2,2-Tetrachloroethane	83	20.992	20.997	(1.143)	449731	5.00000	4.5
76 n-Propylbenzene	91	21.126	21.126	(1.151)	989823	5.00000	4.6
77 1,2,3-Trichloropropane	75	21.088	21.094	(1.149)	334596	5.00000	4.7
78 n-Decane	57	21.367	21.366	(1.164)	195854	5.00000	3.3
79 4-Ethyltoluene	105	21.318	21.318	(1.161)	844054	5.00000	4.7
80 2-Chlorotoluene	91	21.313	21.313	(1.161)	742538	5.00000	4.7
81 1,3,5-Trimethylbenzene	105	21.425	21.425	(1.167)	767554	5.00000	4.6
82 Alpha Methyl Styrene	118	21.789	21.789	(1.187)	311942	5.00000	4.5
83 tert-butylbenzene	119	21.918	21.923	(1.194)	794352	5.00000	4.6
84 1,2,4-Trimethylbenzene	105	22.009	22.008	(1.199)	690397	5.00000	4.4
85 sec-Butylbenzene	105	22.249	22.249	(1.212)	1074649	5.00000	4.5
86 4-Isopropyltoluene	119	22.447	22.452	(1.223)	822434	5.00000	4.4
87 1,3-Dichlorobenzene	146	22.458	22.463	(1.223)	411876	5.00000	4.5
88 1,4-Dichlorobenzene	146	22.592	22.597	(1.230)	370677	5.00000	4.3
89 Benzyl chloride	91	22.768	22.768	(1.240)	363725	5.00000	4.3
90 Undecane	57	23.089	23.089	(1.258)	58014	5.00000	1.4(a)
91 n-Butylbenzene	91	23.014	23.014	(1.253)	490552	5.00000	3.8
92 1,2-Dichlorobenzene	146	23.111	23.110	(1.259)	441040	5.00000	4.5
93 Dodecane	57	24.651	24.646	(1.343)	9634	5.00000	0.45(aM)
94 1,2,4-Trichlorobenzene	180	25.561	25.561	(1.392)	72320	5.00000	3.0
95 1,3-Hexachlorobutadiene	225	25.785	25.785	(1.404)	173643	5.00000	3.6
96 Naphthalene	128	26.005	26.010	(1.416)	143088	5.00000	2.3
97 1,2,3-Trichlorobenzene	180	26.481	26.475	(1.442)	72511	5.00000	2.9

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: gia20.d
Client ID:
Operator: BL
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 472092
Lab Sample ID: IC 472092

Date: 24-MAR-2013 14:13
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32

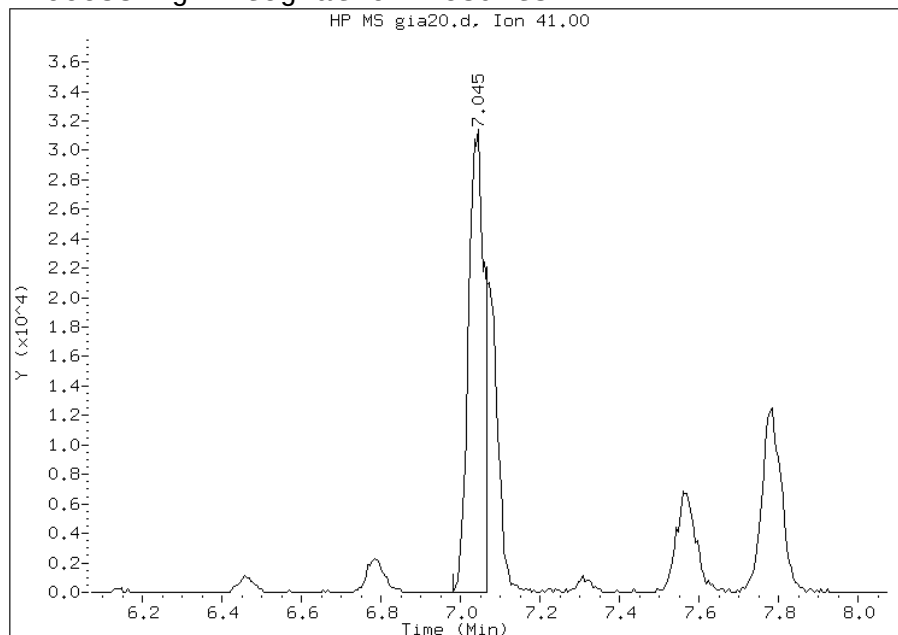


Manual Integration Report

Data File: gia20.d
Lab Sample ID: IC 472092
Inj. Date and Time: 24-MAR-2013 14:13
Instrument ID: G.i
Client ID:
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 03/25/2013

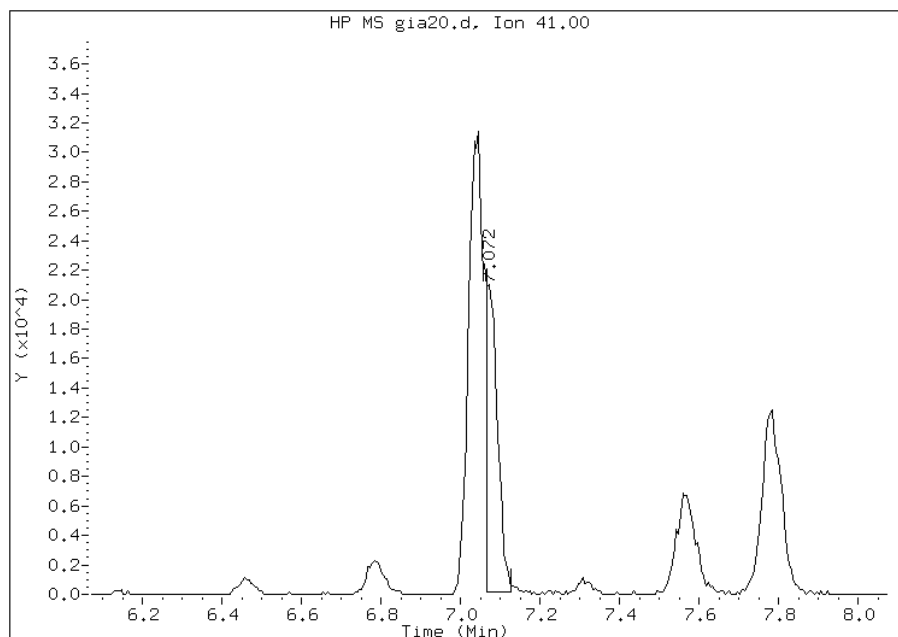
Processing Integration Results

RT: 7.05
Response: 87981
Amount: 3.88
Conc: 3.88



Manual Integration Results

RT: 7.07
Response: 39940
Amount: 4.50
Conc: 4.50



File Uploaded By: lyonsb
Manual Integration Reason: Analyte misidentified by the data system

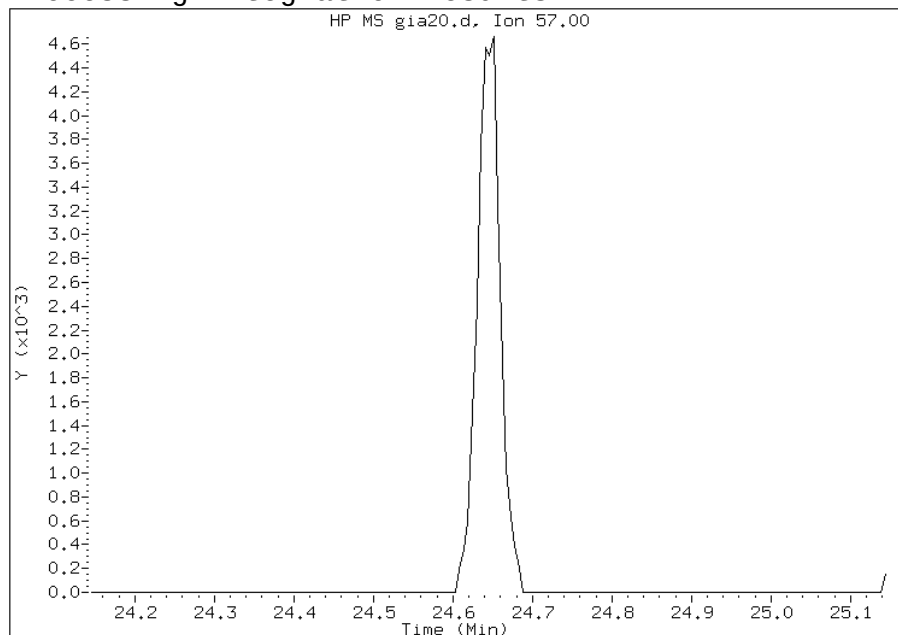
Manual Integration Report

Data File: gia20.d
Lab Sample ID: IC 472092
Inj. Date and Time: 24-MAR-2013 14:13
Instrument ID: G.i
Client ID:
Compound: 93 Dodecane
CAS #: 112-40-3
Report Date: 03/25/2013

Processing Integration Results

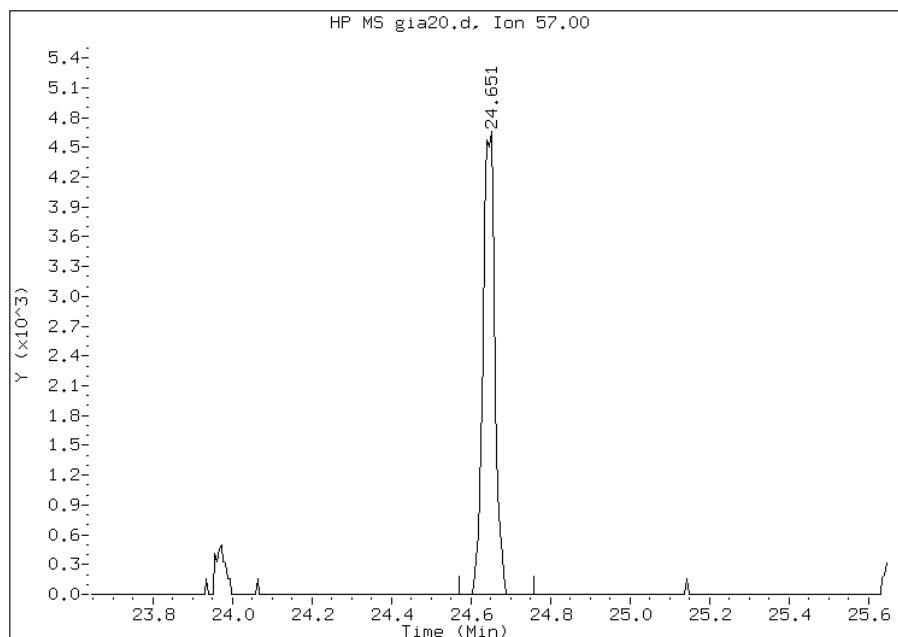
Not Detected

Expected RT: 24.65



Manual Integration Results

RT: 24.65
Response: 9634
Amount: 0.448178
Conc: 0.448178



File Uploaded By: lyonsb
Manual Integration Reason: Peak not found by the data system

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-35521-1

SDG No.: _____

Lab Sample ID: ICV 200-53873/14 Calibration Date: 04/04/2013 01:37

Instrument ID: B.i Calib Start Date: 04/03/2013 16:04

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/03/2013 22:10

Lab File ID: bky14.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2055	0.1742		8.48	10.0	-15.2	30.0
Dichlorodifluoromethane	Ave	1.577	1.499		9.50	10.0	-4.9	30.0
Freon 22	Ave	0.5557	0.5106		9.19	10.0	-8.1	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.638	1.523		9.30	10.0	-7.0	30.0
Chloromethane	Ave	0.3179	0.2905		9.14	10.0	-8.6	30.0
n-Butane	Ave	0.5099	0.4514		8.85	10.0	-11.5	30.0
Vinyl chloride	Ave	0.4717	0.4462		9.46	10.0	-5.4	30.0
1,3-Butadiene	Ave	0.3150	0.3128		9.93	10.0	-0.7	30.0
Bromomethane	Ave	0.8480	0.7902		9.32	10.0	-6.8	30.0
Chloroethane	Ave	0.3798	0.3639		9.58	10.0	-4.2	30.0
Isopentane	Ave	0.6557	0.6133		9.35	10.0	-6.5	30.0
Bromoethene (Vinyl Bromide)	Ave	0.9775	0.9828		10.1	10.0	0.5	30.0
Trichlorofluoromethane	Ave	2.113	2.077		9.83	10.0	-1.7	30.0
n-Pentane	Ave	1.080	1.015		9.39	10.0	-6.1	30.0
Ethanol	Ave	0.2259	0.2484		16.5	15.0	10.0	30.0
Ethyl ether	Ave	0.5155	0.5030		9.76	10.0	-2.4	30.0
Acrolein	Ave	0.2799	0.2411		8.61	10.0	-13.8	30.0
Freon TF	Ave	1.720	1.865		10.8	10.0	8.5	30.0
1,1-Dichloroethene	Ave	0.8276	0.9346		11.3	10.0	12.9	30.0
Acetone	Ave	0.8405	0.8035		9.56	10.0	-4.4	30.0
Carbon disulfide	Ave	2.399	2.452		10.2	10.0	2.2	30.0
Isopropyl alcohol	Ave	0.6978	0.6746		9.66	10.0	-3.3	30.0
3-Chloropropene	Ave	0.6743	0.6922		10.3	10.0	2.7	30.0
Acetonitrile	Ave	0.4756	0.4476		9.41	10.0	-5.9	30.0
Methylene Chloride	Ave	0.7019	0.7202		10.3	10.0	2.6	30.0
tert-Butyl alcohol	Ave	1.143	1.094		9.57	10.0	-4.3	30.0
Methyl tert-butyl ether	Ave	2.062	2.166		10.5	10.0	5.1	30.0
trans-1,2-Dichloroethene	Ave	1.045	1.061		10.2	10.0	1.6	30.0
Acrylonitrile	Ave	0.4876	0.5007		10.3	10.0	2.7	30.0
n-Hexane	Ave	1.147	1.179		10.3	10.0	2.8	30.0
1,1-Dichloroethane	Ave	1.322	1.327		10.1	10.0	0.4	30.0
Vinyl acetate	Ave	1.431	1.447		10.1	10.0	1.1	30.0
cis-1,2-Dichloroethene	Ave	0.9423	0.9935		10.5	10.0	5.4	30.0
Methyl Ethyl Ketone	Ave	0.4370	0.4234		9.69	10.0	-3.1	30.0
Ethyl acetate	Ave	0.0790	0.0821		10.4	10.0	3.9	30.0
Tetrahydrofuran	Ave	0.1393	0.1419		10.2	10.0	1.8	30.0
Chloroform	Ave	1.611	1.617		10.0	10.0	0.4	30.0
1,1,1-Trichloroethane	Ave	0.3503	0.3556		10.1	10.0	1.5	30.0
Cyclohexane	Ave	0.2632	0.2774		10.5	10.0	5.4	30.0
Carbon tetrachloride	Ave	0.3827	0.3822		9.98	10.0	-0.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Lab Sample ID: ICV 200-53873/14 Calibration Date: 04/04/2013 01:37
 Instrument ID: B.i Calib Start Date: 04/03/2013 16:04
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/03/2013 22:10
 Lab File ID: bky14.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7327	0.7783		10.6	10.0	6.2	30.0
Benzene	Ave	0.5684	0.5741		10.1	10.0	1.0	30.0
1,2-Dichloroethane	Ave	0.1804	0.1828		10.1	10.0	1.4	30.0
n-Heptane	Ave	0.2294	0.2371		10.3	10.0	3.3	30.0
n-Butanol	Ave	0.0755	0.0701		9.28	10.0	-7.2	30.0
Trichloroethene	Ave	0.2562	0.2583		10.1	10.0	0.8	30.0
1,2-Dichloropropane	Ave	0.1875	0.1855		9.89	10.0	-1.1	30.0
Methyl methacrylate	Ave	0.1802	0.1911		10.6	10.0	6.0	30.0
1,4-Dioxane	Ave	0.0953	0.0868		9.10	10.0	-9.0	30.0
Dibromomethane	Ave	0.2661	0.2704		10.2	10.0	1.6	30.0
Bromodichloromethane	Ave	0.3663	0.3859		10.5	10.0	5.4	30.0
cis-1,3-Dichloropropene	Ave	0.2833	0.2980		10.5	10.0	5.2	30.0
methyl isobutyl ketone	Ave	0.2665	0.2888		10.8	10.0	8.4	30.0
Toluene	Ave	0.4849	0.4880		10.1	10.0	0.6	30.0
n-Octane	Ave	0.3105	0.3292		10.6	10.0	6.0	30.0
trans-1,3-Dichloropropene	Ave	0.2860	0.2970		10.4	10.0	3.8	30.0
1,1,2-Trichloroethane	Ave	0.2243	0.2110		9.41	10.0	-5.9	30.0
Tetrachloroethene	Ave	0.4579	0.4449		9.68	10.0	-2.8	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2705	0.2845		10.5	10.0	5.2	30.0
Dibromochloromethane	Ave	0.4919	0.5151		10.5	10.0	4.7	30.0
1,2-Dibromoethane	Ave	0.4393	0.4302		9.79	10.0	-2.1	30.0
Chlorobenzene	Ave	0.7241	0.6878		9.50	10.0	-5.0	30.0
Ethylbenzene	Ave	1.028	1.015		9.87	10.0	-1.2	30.0
n-Nonane	Ave	0.3965	0.4021		10.1	10.0	1.4	30.0
m,p-Xylene	Ave	0.4552	0.4557		20.0	20.0	0.1	30.0
Xylene, o-	Ave	0.4225	0.4281		10.1	10.0	1.3	30.0
Styrene	Ave	0.6295	0.6677		10.6	10.0	6.1	30.0
Bromoform	Ave	0.5162	0.5446		10.5	10.0	5.5	30.0
Cumene	Ave	1.177	1.222		10.4	10.0	3.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5941	0.5710		9.61	10.0	-3.9	30.0
n-Propylbenzene	Ave	1.366	1.446		10.6	10.0	5.9	30.0
1,2,3-Trichloropropane	Ave	0.4242	0.4260		10.0	10.0	0.4	30.0
n-Decane	Ave	0.4898	0.5083		10.4	10.0	3.8	30.0
4-Ethyltoluene	Ave	1.234	1.308		10.6	10.0	6.0	30.0
2-Chlorotoluene	Ave	1.063	1.080		10.2	10.0	1.6	30.0
1,3,5-Trimethylbenzene	Ave	1.011	0.9930		9.82	10.0	-1.8	30.0
Alpha Methyl Styrene	Ave	0.4903	0.5739		11.7	10.0	17.1	30.0
tert-Butylbenzene	Ave	0.9881	1.037		10.5	10.0	4.9	30.0
1,2,4-Trimethylbenzene	Ave	0.9907	0.997		10.1	10.0	0.6	30.0
sec-Butylbenzene	Ave	1.490	1.546		10.4	10.0	3.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Lab Sample ID: ICV 200-53873/14 Calibration Date: 04/04/2013 01:37
 Instrument ID: B.i Calib Start Date: 04/03/2013 16:04
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/03/2013 22:10
 Lab File ID: bky14.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.249	1.332		10.7	10.0	6.6	30.0
1,3-Dichlorobenzene	Ave	0.7835	0.7652		9.76	10.0	-2.3	30.0
1,4-Dichlorobenzene	Ave	0.7798	0.7687		9.86	10.0	-1.4	30.0
Benzyl chloride	Ave	0.7816	0.8177		10.5	10.0	4.6	30.0
n-Undecane	Ave	0.4666	0.5100		10.9	10.0	9.3	30.0
n-Butylbenzene	Ave	1.046	1.132		10.8	10.0	8.2	30.0
1,2-Dichlorobenzene	Ave	0.7442	0.7084		9.52	10.0	-4.8	30.0
n-Dodecane	Ave	0.2932	0.3401		11.6	10.0	16.0	30.0
1,2,4-Trichlorobenzene	Ave	0.4852	0.5143		10.6	10.0	6.0	30.0
Hexachlorobutadiene	Ave	0.4358	0.4427		10.2	10.0	1.6	30.0
Naphthalene	Ave	0.9147	1.131		12.4	10.0	23.6	30.0
1,2,3-Trichlorobenzene	Ave	0.3538	0.4701		13.3	10.0	32.9*	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkyto15.b/bky14.d
Lab Smp Id: icv 476350
Inj Date : 04-APR-2013 01:37
Operator : pad
Smp Info : icv 476350
Misc Info : 200,1, icv
Comment :
Method : /chem/B.i/Bsvr.p/bkyto15.b/to15v5.m
Meth Date : 04-Apr-2013 12:52 pd
Cal Date : 03-APR-2013 22:10
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: B.i
Quant Type: ISTD
Cal File: bky10.d
QC Sample: METHSPIKE
Compound Sublist: allT015.sub

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	2.965	2.965	(0.326)	116254	8.47761	8.5	
2 Dichlorodifluoromethane	85	3.013	3.013	(0.331)	1000144	9.50444	9.5	
3 Chlorodifluoromethane	51	3.045	3.045	(0.335)	340691	9.18665	9.2	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.200	3.200	(0.352)	1015884	9.29527	9.3	
5 Chloromethane	50	3.301	3.301	(0.363)	193815	9.13680	9.1	
6 Butane	43	3.445	3.446	(0.379)	301183	8.85156	8.9	
7 Vinyl chloride	62	3.477	3.478	(0.382)	297672	9.45717	9.5	
8 1,3-Butadiene	54	3.531	3.531	(0.388)	208691	9.92797	9.9	
9 Bromomethane	94	4.059	4.065	(0.446)	527196	9.31555	9.3	
10 Chloroethane	64	4.251	4.257	(0.467)	242763	9.57906	9.6	
11 2-Methylbutane	43	4.326	4.326	(0.476)	409187	9.35178	9.4	
12 Vinyl bromide	106	4.620	4.620	(0.508)	655757	10.0522	10	
13 Trichlorofluoromethane	101	4.710	4.710	(0.518)	1386084	9.82792	9.8	
14 Pentane	43	4.838	4.844	(0.532)	676992	9.38931	9.4	

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.207	5.212	(0.572)	248728	16.4982	16
16 Ethyl ether	59	5.313	5.319	(0.584)	335595	9.75535	9.8
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.692	5.698	(0.626)	1244309	10.8436	11
18 Acrolein	56	5.660	5.660	(0.622)	160874	8.61351	8.6
19 1,1-Dichloroethene	96	5.756	5.756	(0.633)	623556	11.2908	11
20 Acetone	43	5.938	5.938	(0.653)	536075	9.55712	9.6
21 Carbon disulfide	76	6.167	6.167	(0.678)	1636274	10.2227	10
22 Isopropanol	45	6.210	6.215	(0.683)	450069	9.66474	9.7
23 Allyl chloride	41	6.439	6.445	(0.708)	461826	10.2630	10
24 Acetonitrile	41	6.519	6.520	(0.717)	298669	9.40932	9.4
25 Methylene chloride	49	6.696	6.701	(0.736)	480500	10.2580	10
26 Tert-butyl alcohol	59	6.914	6.925	(0.760)	729909	9.56958	9.6
27 Methyl tert-butyl ether	73	7.075	7.080	(0.778)	1445035	10.5034	11
28 1,2-Dichloroethene (trans)	61	7.101	7.101	(0.781)	708184	10.1578	10
29 Acrylonitrile	53	7.181	7.187	(0.789)	334040	10.2661	10
30 n-Hexane	57	7.432	7.432	(0.817)	786511	10.2790	10
31 1,1-Dichloroethane	63	7.832	7.833	(0.861)	885499	10.1308	10
32 Vinyl acetate	43	7.859	7.865	(0.864)	965644	10.1113	10
M 33 1,2-Dichloroethene,Total	61				1371068	20.6996	21
34 1,2-Dichloroethene (cis)	96	8.734	8.734	(0.960)	662884	10.5418	11
35 Ethyl acetate	88	8.772	8.772	(0.964)	54750	10.3903	10
36 Methyl Ethyl Ketone	72	8.745	8.745	(0.961)	282514	9.68651	9.7(Q)
* 37 Bromochloromethane	128	9.097	9.097	(1.000)	667336	10.0000	
38 Tetrahydrofuran	42	9.129	9.135	(0.868)	446996	10.1812	10
39 Chloroform	83	9.183	9.183	(1.009)	1078797	10.0366	10
40 Cyclohexane	84	9.433	9.434	(0.897)	873894	10.5358	11
41 1,1,1-Trichloroethane	97	9.423	9.423	(0.896)	1120203	10.1497	10
42 Carbon tetrachloride	117	9.626	9.626	(0.916)	1203945	9.98267	10
43 2,2,4-Trimethylpentane	57	9.919	9.925	(0.944)	2451996	10.6211	11
44 Benzene	78	9.951	9.951	(0.947)	1808585	10.0985	10
45 1,2-Dichloroethane	62	10.058	10.058	(0.957)	575982	10.1353	10
46 n-Heptane	43	10.186	10.186	(0.969)	746840	10.3321	10
* 47 1,4-Difluorobenzene	114	10.511	10.512	(1.000)	3150977	10.0000	
48 n-Butanol	56	10.810	10.821	(1.028)	220745	9.28044	9.3
49 Trichloroethene	95	10.869	10.875	(1.034)	813676	10.0788	10
50 1,2-Dichloropropane	63	11.232	11.232	(1.069)	584465	9.89094	9.9
51 Methyl methacrylate	69	11.307	11.312	(1.076)	601879	10.6007	11
52 Dibromomethane	174	11.419	11.424	(1.086)	851699	10.1572	10
53 1,4-Dioxane	88	11.408	11.414	(1.085)	273289	9.10147	9.1
54 Bromodichloromethane	83	11.600	11.600	(1.104)	1215848	10.5346	11
55 1,3-Dichloropropene (cis)	75	12.230	12.230	(1.163)	938894	10.5181	11
56 Methyl isobutyl ketone	43	12.411	12.417	(1.181)	909916	10.8362	11
57 n-Octane	43	12.662	12.668	(1.205)	1037063	10.5995	11
58 Toluene	92	12.652	12.657	(0.864)	1443264	10.0612	10
59 1,3-Dichloropropene (trans)	75	13.025	13.031	(1.239)	935540	10.3796	10
60 1,1,2-Trichloroethane	83	13.287	13.292	(0.907)	624007	9.40546	9.4
61 Tetrachloroethene	166	13.420	13.420	(0.917)	1316013	9.67557	9.7

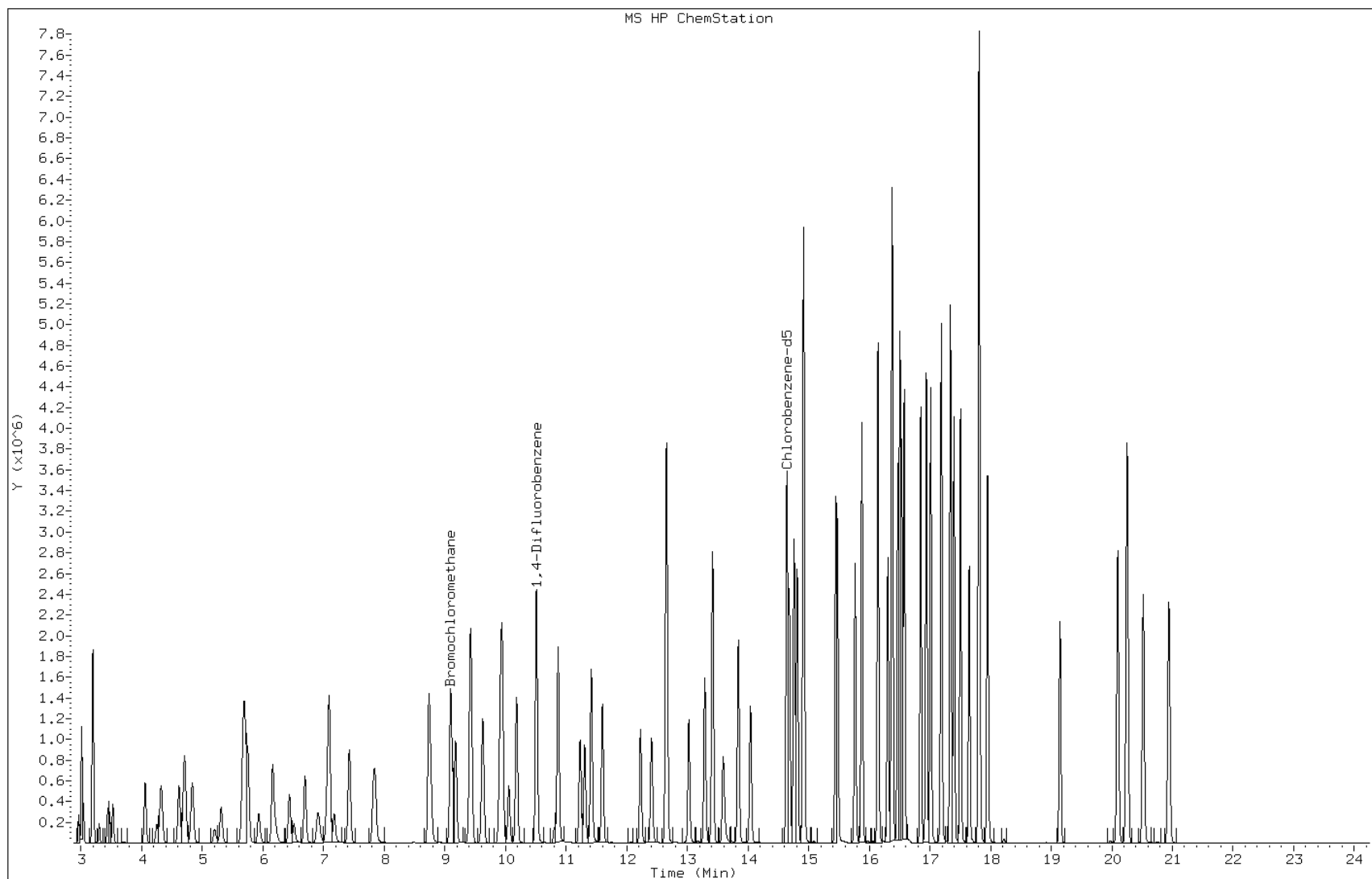
Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.591	13.602	(0.928)	841531	10.5159	11
63 Dibromochloromethane	129	13.842	13.847	(0.945)	1523470	10.4690	10
64 1,2-Dibromoethane	107	14.045	14.050	(0.959)	1272415	9.79075	9.8
* 65 Chlorobenzene-d5	117	14.642	14.648	(1.000)	2958301	10.0000	
66 Chlorobenzene	112	14.680	14.690	(1.003)	2034233	9.49629	9.5
67 n-Nonane	57	14.813	14.819	(1.012)	1189365	10.1390	10
68 Ethylbenzene	91	14.760	14.771	(1.008)	3001949	9.87406	9.9
69 Xylene (m,p)	106	14.920	14.925	(1.019)	2695743	20.0186	20
M 70 Xylenes, Total	106				3961890	30.1484	30
71 Xylene (o)	106	15.448	15.459	(1.055)	1266147	10.1298	10
72 Styrene	104	15.480	15.486	(1.057)	1974761	10.6043	11
73 Bromoform	173	15.768	15.774	(1.077)	1610664	10.5470	11
74 Isopropylbenzene	105	15.880	15.886	(1.085)	3612979	10.3802	10
75 1,1,2,2-Tetrachloroethane	83	16.307	16.313	(1.114)	1688918	9.60997	9.6
76 n-Propylbenzene	91	16.377	16.382	(1.118)	4277743	10.5875	11
77 1,2,3-Trichloropropane	75	16.387	16.393	(1.119)	1259931	10.0391	10
78 n-Decane	57	16.473	16.478	(1.125)	1503504	10.3766	10
79 4-Ethyltoluene	105	16.505	16.516	(1.127)	3869039	10.5980	11
80 2-Chlorotoluene	91	16.537	16.542	(1.129)	3195256	10.1600	10
81 1,3,5-Trimethylbenzene	105	16.580	16.585	(1.132)	2937141	9.81864	9.8
82 Alpha Methyl Styrene	118	16.852	16.857	(1.151)	1697412	11.7028	12
83 tert-butylbenzene	119	16.942	16.953	(1.157)	3066505	10.4910	10
84 1,2,4-Trimethylbenzene	105	17.017	17.023	(1.162)	2947904	10.0583	10
85 sec-Butylbenzene	105	17.193	17.199	(1.174)	4573890	10.3786	10
86 4-Isopropyltoluene	119	17.343	17.348	(1.184)	3939195	10.6569	11
87 1,3-Dichlorobenzene	146	17.401	17.407	(1.188)	2263253	9.76459	9.8
88 1,4-Dichlorobenzene	146	17.508	17.514	(1.196)	2273576	9.85567	9.9
89 Benzyl chloride	91	17.652	17.658	(1.206)	2418511	10.4601	10
90 Undecane	57	17.807	17.818	(1.216)	1508299	10.9275	11
91 n-Butylbenzene	91	17.818	17.823	(1.217)	3347482	10.8142	11
92 1,2-Dichlorobenzene	146	17.956	17.962	(1.226)	2095149	9.51690	9.5
93 Dodecane	57	19.141	19.157	(1.307)	1005925	11.5963	12
94 1,2,4-Trichlorobenzene	180	20.097	20.113	(1.373)	1521149	10.5971	11
95 1,3-Hexachlorobutadiene	225	20.251	20.268	(1.383)	1309417	10.1565	10
96 Naphthalene	128	20.518	20.534	(1.401)	3344064	12.3581	12
97 1,2,3-Trichlorobenzene	180	20.940	20.956	(1.430)	1390371	13.2850	13(R)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: bky14.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icv 476350
Lab Sample ID: icv 476350

Date: 04-APR-2013 01:37
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-54299/2 Calibration Date: 04/13/2013 14:30
 Instrument ID: B.i Calib Start Date: 04/03/2013 16:04
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/03/2013 22:10
 Lab File ID: bkyj02.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2055	0.2033		9.89	10.0	-1.1	30.0
Dichlorodifluoromethane	Ave	1.577	1.664		10.5	10.0	5.5	30.0
Freon 22	Ave	0.5557	0.5843		10.5	10.0	5.1	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.638	1.712		10.5	10.0	4.6	30.0
Chloromethane	Ave	0.3179	0.3280		10.3	10.0	3.2	30.0
n-Butane	Ave	0.5099	0.5252		10.3	10.0	3.0	30.0
Vinyl chloride	Ave	0.4717	0.5061		10.7	10.0	7.3	30.0
1,3-Butadiene	Ave	0.3150	0.3395		10.8	10.0	7.8	30.0
Bromomethane	Ave	0.8480	0.8872		10.5	10.0	4.6	30.0
Chloroethane	Ave	0.3798	0.4065		10.7	10.0	7.0	30.0
Isopentane	Ave	0.6557	0.6871		10.5	10.0	4.8	30.0
Bromoethene (Vinyl Bromide)	Ave	0.9775	1.030		10.5	10.0	5.4	30.0
Trichlorofluoromethane	Ave	2.113	2.226		10.5	10.0	5.3	30.0
n-Pentane	Ave	1.080	1.156		10.7	10.0	7.0	30.0
Ethanol	Ave	0.2259	0.2414		16.0	15.0	6.8	30.0
Ethyl ether	Ave	0.5155	0.5692		11.0	10.0	10.4	30.0
Acrolein	Ave	0.2799	0.3020		10.8	10.0	7.9	30.0
Freon TF	Ave	1.720	1.808		10.5	10.0	5.2	30.0
1,1-Dichloroethene	Ave	0.8276	0.8772		10.6	10.0	6.0	30.0
Acetone	Ave	0.8405	0.9376		11.2	10.0	11.5	30.0
Carbon disulfide	Ave	2.399	2.589		10.8	10.0	7.9	30.0
Isopropyl alcohol	Ave	0.6978	0.7003		10.0	10.0	0.4	30.0
3-Chloropropene	Ave	0.6743	0.7317		10.8	10.0	8.5	30.0
Acetonitrile	Ave	0.4756	0.5060		10.6	10.0	6.4	30.0
Methylene Chloride	Ave	0.7019	0.7326		10.4	10.0	4.4	30.0
tert-Butyl alcohol	Ave	1.143	1.148		10.0	10.0	0.4	30.0
Methyl tert-butyl ether	Ave	2.062	2.278		11.0	10.0	10.5	30.0
trans-1,2-Dichloroethene	Ave	1.045	1.134		10.9	10.0	8.6	30.0
Acrylonitrile	Ave	0.4876	0.5338		10.9	10.0	9.5	30.0
n-Hexane	Ave	1.147	1.259		11.0	10.0	9.8	30.0
1,1-Dichloroethane	Ave	1.322	1.418		10.7	10.0	7.3	30.0
Vinyl acetate	Ave	1.431	1.595		11.1	10.0	11.5	30.0
cis-1,2-Dichloroethene	Ave	0.9423	1.016		10.8	10.0	7.8	30.0
Methyl Ethyl Ketone	Ave	0.4370	0.4419		10.1	10.0	1.1	30.0
Ethyl acetate	Ave	0.0790	0.0835		10.6	10.0	5.7	30.0
Tetrahydrofuran	Ave	0.1393	0.1539		11.0	10.0	10.5	30.0
Chloroform	Ave	1.611	1.723		10.7	10.0	7.0	30.0
1,1,1-Trichloroethane	Ave	0.3503	0.3813		10.9	10.0	8.9	30.0
Cyclohexane	Ave	0.2632	0.2919		11.1	10.0	10.9	30.0
Carbon tetrachloride	Ave	0.3827	0.4091		10.7	10.0	6.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-54299/2 Calibration Date: 04/13/2013 14:30
 Instrument ID: B.i Calib Start Date: 04/03/2013 16:04
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/03/2013 22:10
 Lab File ID: bkyj02.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7327	0.8409		11.5	10.0	14.8	30.0
Benzene	Ave	0.5684	0.6219		10.9	10.0	9.4	30.0
1,2-Dichloroethane	Ave	0.1804	0.1985		11.0	10.0	10.0	30.0
n-Heptane	Ave	0.2294	0.2601		11.3	10.0	13.4	30.0
n-Butanol	Ave	0.0755	0.0787		10.4	10.0	4.2	30.0
Trichloroethene	Ave	0.2562	0.2767		10.8	10.0	8.0	30.0
1,2-Dichloropropane	Ave	0.1875	0.2079		11.1	10.0	10.9	30.0
Methyl methacrylate	Ave	0.1802	0.2089		11.6	10.0	15.9	30.0
1,4-Dioxane	Ave	0.0953	0.0912		9.57	10.0	-4.3	30.0
Dibromomethane	Ave	0.2661	0.2754		10.3	10.0	3.5	30.0
Bromodichloromethane	Ave	0.3663	0.4096		11.2	10.0	11.8	30.0
cis-1,3-Dichloropropene	Ave	0.2833	0.3249		11.5	10.0	14.7	30.0
methyl isobutyl ketone	Ave	0.2665	0.3179		11.9	10.0	19.3	30.0
Toluene	Ave	0.4849	0.5121		10.6	10.0	5.6	30.0
n-Octane	Ave	0.3105	0.3620		11.7	10.0	16.6	30.0
trans-1,3-Dichloropropene	Ave	0.2860	0.3318		11.6	10.0	16.0	30.0
1,1,2-Trichloroethane	Ave	0.2243	0.2350		10.5	10.0	4.8	30.0
Tetrachloroethene	Ave	0.4579	0.4510		9.85	10.0	-1.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2705	0.3057		11.3	10.0	13.0	30.0
Dibromochloromethane	Ave	0.4919	0.5116		10.4	10.0	4.0	30.0
1,2-Dibromoethane	Ave	0.4393	0.4622		10.5	10.0	5.2	30.0
Chlorobenzene	Ave	0.7241	0.7232		9.99	10.0	-0.1	30.0
Ethylbenzene	Ave	1.028	1.064		10.3	10.0	3.5	30.0
n-Nonane	Ave	0.3965	0.4303		10.8	10.0	8.5	30.0
m,p-Xylene	Ave	0.4552	0.4798		21.1	20.0	5.4	30.0
Xylene, o-	Ave	0.4225	0.4533		10.7	10.0	7.3	30.0
Styrene	Ave	0.6295	0.6887		10.9	10.0	9.4	30.0
Bromoform	Ave	0.5162	0.5347		10.4	10.0	3.6	30.0
Cumene	Ave	1.177	1.251		10.6	10.0	6.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5941	0.6275		10.6	10.0	5.6	30.0
n-Propylbenzene	Ave	1.366	1.499		11.0	10.0	9.8	30.0
1,2,3-Trichloropropane	Ave	0.4242	0.4512		10.6	10.0	6.4	30.0
n-Decane	Ave	0.4898	0.5442		11.1	10.0	11.1	30.0
4-Ethyltoluene	Ave	1.234	1.317		10.7	10.0	6.7	30.0
2-Chlorotoluene	Ave	1.063	1.104		10.4	10.0	3.8	30.0
1,3,5-Trimethylbenzene	Ave	1.011	1.045		10.3	10.0	3.3	30.0
Alpha Methyl Styrene	Ave	0.4903	0.5491		11.2	10.0	12.0	30.0
tert-Butylbenzene	Ave	0.9881	1.035		10.5	10.0	4.8	30.0
1,2,4-Trimethylbenzene	Ave	0.9907	1.035		10.4	10.0	4.5	30.0
sec-Butylbenzene	Ave	1.490	1.569		10.5	10.0	5.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-54299/2 Calibration Date: 04/13/2013 14:30
 Instrument ID: B.i Calib Start Date: 04/03/2013 16:04
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/03/2013 22:10
 Lab File ID: bkyj02.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.249	1.325		10.6	10.0	6.1	30.0
1,3-Dichlorobenzene	Ave	0.7835	0.7799		9.95	10.0	-0.5	30.0
1,4-Dichlorobenzene	Ave	0.7798	0.7789		9.99	10.0	-0.1	30.0
Benzyl chloride	Ave	0.7816	0.8039		10.3	10.0	2.9	30.0
n-Undecane	Ave	0.4666	0.4517		9.68	10.0	-3.2	30.0
n-Butylbenzene	Ave	1.046	1.146		11.0	10.0	9.5	30.0
1,2-Dichlorobenzene	Ave	0.7442	0.7265		9.76	10.0	-2.4	30.0
n-Dodecane	Ave	0.2932	0.1426			10.0	-51.4*	30.0
1,2,4-Trichlorobenzene	Ave	0.4852	0.4049		8.34	10.0	-16.6	30.0
Hexachlorobutadiene	Ave	0.4358	0.3975		9.12	10.0	-8.8	30.0
Naphthalene	Ave	0.9147	0.7354		8.04	10.0	-19.6	30.0
1,2,3-Trichlorobenzene	Ave	0.3538	0.3218		9.10	10.0	-9.0	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkyjto15.b/bkyj02.d
 Lab Smp Id: ccvis 480518
 Inj Date : 13-APR-2013 14:30
 Operator : pad
 Smp Info : ccvis 480518
 Misc Info : 200,1, ccvis
 Comment :
 Method : /chem/B.i/Bsvr.p/bkyjto15.b/to15v5.m
 Meth Date : 13-Apr-2013 16:01 pd
 Cal Date : 03-APR-2013 16:04
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: chemsvr6

Inst ID: B.i
 Quant Type: ISTD
 Cal File: bky03.d
 Continuing Calibration Sample
 Compound Sublist: allT015.sub

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	2.965	2.965	(0.326)	107375	10.0000	9.9
2 Dichlorodifluoromethane	85	3.013	3.013	(0.331)	878828	10.0000	11
3 Chlorodifluoromethane	51	3.045	3.045	(0.335)	308634	10.0000	11
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.200	3.200	(0.352)	904455	10.0000	10
5 Chloromethane	50	3.301	3.301	(0.363)	173226	10.0000	10
6 Butane	43	3.446	3.446	(0.379)	277387	10.0000	10
7 Vinyl chloride	62	3.478	3.478	(0.382)	267291	10.0000	11
8 1,3-Butadiene	54	3.526	3.531	(0.388)	179300	10.0000	11
9 Bromomethane	94	4.059	4.065	(0.446)	468614	10.0000	10
10 Chloroethane	64	4.251	4.257	(0.468)	214675	10.0000	11
11 2-Methylbutane	43	4.326	4.326	(0.476)	362911	10.0000	10
12 Vinyl bromide	106	4.620	4.620	(0.508)	544232	10.0000	11
13 Trichlorofluoromethane	101	4.710	4.710	(0.518)	1175770	10.0000	11
14 Pentane	43	4.838	4.844	(0.532)	610646	10.0000	11

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.201	5.212	(0.572)	191293	15.0000	16
16 Ethyl ether	59	5.313	5.319	(0.584)	300652	10.0000	11
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.692	5.698	(0.626)	955176	10.0000	11
18 Acrolein	56	5.655	5.660	(0.622)	159499	10.0000	11
19 1,1-Dichloroethene	96	5.756	5.756	(0.633)	463295	10.0000	11
20 Acetone	43	5.933	5.938	(0.652)	495196	10.0000	11
21 Carbon disulfide	76	6.162	6.167	(0.678)	1367295	10.0000	11
22 Isopropanol	45	6.210	6.215	(0.683)	369891	10.0000	10
23 Allyl chloride	41	6.440	6.445	(0.708)	386454	10.0000	11
24 Acetonitrile	41	6.514	6.520	(0.716)	267253	10.0000	11
25 Methylene chloride	49	6.696	6.701	(0.736)	386916	10.0000	10
26 Tert-butyl alcohol	59	6.915	6.925	(0.760)	606149	10.0000	10
27 Methyl tert-butyl ether	73	7.075	7.080	(0.778)	1203163	10.0000	11
28 1,2-Dichloroethene (trans)	61	7.101	7.101	(0.781)	599029	10.0000	11
29 Acrylonitrile	53	7.181	7.187	(0.790)	281958	10.0000	11
30 n-Hexane	57	7.427	7.432	(0.817)	665201	10.0000	11
31 1,1-Dichloroethane	63	7.827	7.833	(0.861)	748894	10.0000	11
32 Vinyl acetate	43	7.859	7.865	(0.864)	842555	10.0000	11
M 33 1,2-Dichloroethene,Total	61				1135559	20.0000	22
34 1,2-Dichloroethene (cis)	96	8.729	8.734	(0.960)	536530	10.0000	11
35 Ethyl acetate	88	8.766	8.772	(0.964)	44087	10.0000	11
36 Methyl Ethyl Ketone	72	8.740	8.745	(0.961)	233391	10.0000	10
* 37 Bromochloromethane	128	9.092	9.097	(1.000)	528279	10.0000	
38 Tetrahydrofuran	42	9.135	9.135	(0.869)	379001	10.0000	11
39 Chloroform	83	9.177	9.183	(1.009)	909933	10.0000	11
40 Cyclohexane	84	9.428	9.434	(0.897)	718777	10.0000	11
41 1,1,1-Trichloroethane	97	9.418	9.423	(0.896)	938962	10.0000	11
42 Carbon tetrachloride	117	9.626	9.626	(0.916)	1007485	10.0000	11
43 2,2,4-Trimethylpentane	57	9.919	9.925	(0.944)	2070662	10.0000	11
44 Benzene	78	9.946	9.951	(0.947)	1531321	10.0000	11
45 1,2-Dichloroethane	62	10.053	10.058	(0.957)	488717	10.0000	11
46 n-Heptane	43	10.181	10.186	(0.969)	640589	10.0000	11
* 47 1,4-Difluorobenzene	114	10.506	10.512	(1.000)	2462930	10.0000	
48 n-Butanol	56	10.816	10.821	(1.029)	193749	10.0000	10
49 Trichloroethene	95	10.869	10.875	(1.035)	681238	10.0000	11
50 1,2-Dichloropropane	63	11.227	11.232	(1.069)	511984	10.0000	11
51 Methyl methacrylate	69	11.307	11.312	(1.076)	514468	10.0000	12
52 Dibromomethane	174	11.419	11.424	(1.087)	678220	10.0000	10
53 1,4-Dioxane	88	11.408	11.414	(1.086)	224628	10.0000	9.6
54 Bromodichloromethane	83	11.595	11.600	(1.104)	1008598	10.0000	11
55 1,3-Dichloropropene (cis)	75	12.225	12.230	(1.164)	800020	10.0000	11
56 Methyl isobutyl ketone	43	12.412	12.417	(1.181)	782838	10.0000	12
57 n-Octane	43	12.662	12.668	(1.205)	891513	10.0000	12
58 Toluene	92	12.652	12.657	(0.864)	1216319	10.0000	11
59 1,3-Dichloropropene (trans)	75	13.025	13.031	(1.240)	817101	10.0000	12
60 1,1,2-Trichloroethane	83	13.287	13.292	(0.907)	558182	10.0000	10
61 Tetrachloroethene	166	13.415	13.420	(0.916)	1071270	10.0000	9.8

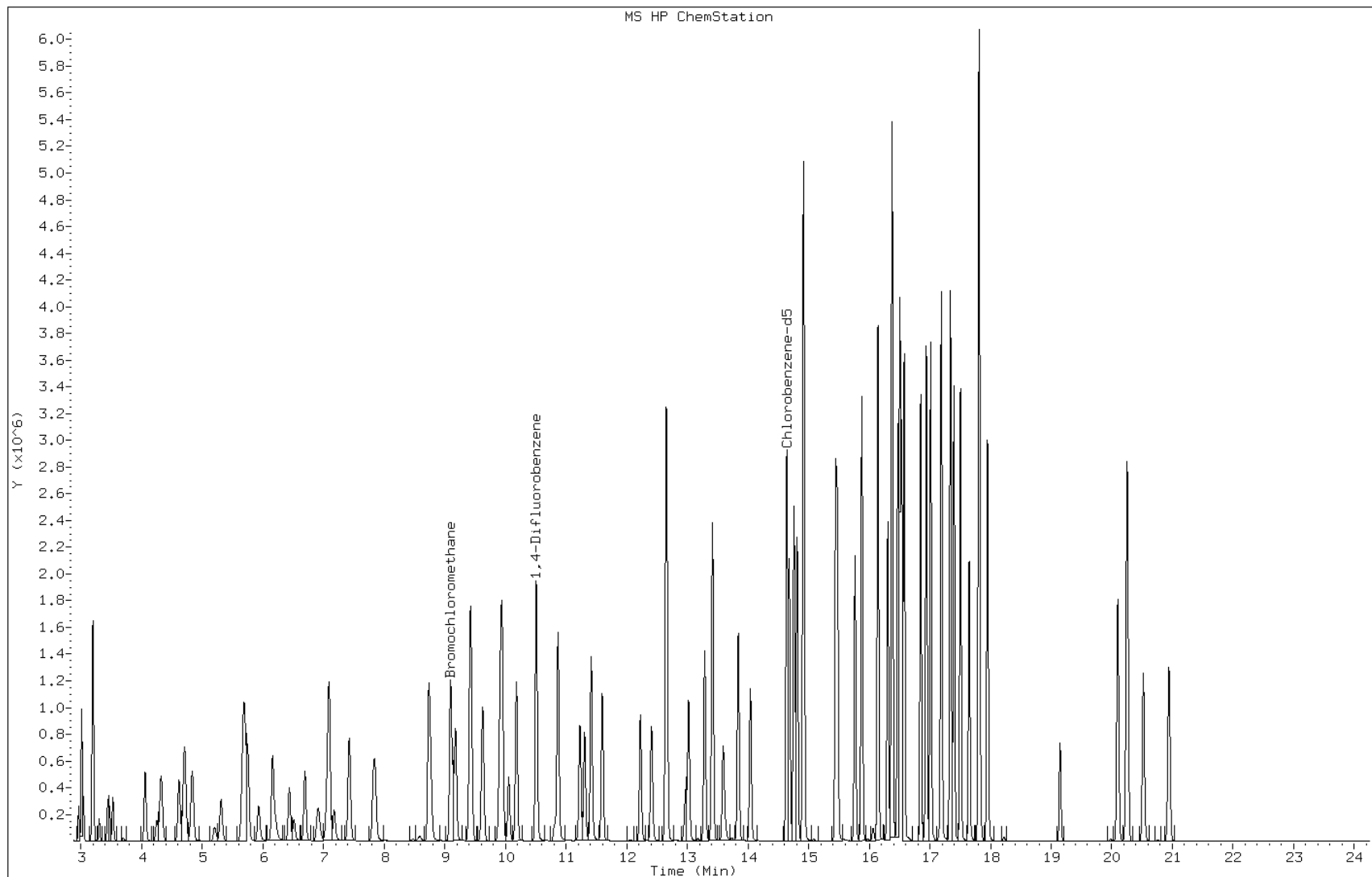
Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====
62 2-Hexanone	43		13.591	13.602	(0.928)	726061	10.0000	11
63 Dibromochloromethane	129		13.842	13.847	(0.945)	1215069	10.0000	10
64 1,2-Dibromoethane	107		14.039	14.050	(0.959)	1097913	10.0000	11
* 65 Chlorobenzene-d5	117		14.642	14.648	(1.000)	2375690	10.0000	
66 Chlorobenzene	112		14.680	14.690	(1.003)	1717701	10.0000	10
67 n-Nonane	57		14.813	14.819	(1.012)	1021967	10.0000	11
68 Ethylbenzene	91		14.760	14.771	(1.008)	2526310	10.0000	10
69 Xylene (m,p)	106		14.920	14.925	(1.019)	2279152	20.0000	21
M 70 Xylenes, Total	106					3355787	10.0000	32
71 Xylene (o)	106		15.448	15.459	(1.055)	1076635	10.0000	11
72 Styrene	104		15.475	15.486	(1.057)	1635717	10.0000	11
73 Bromoform	173		15.768	15.774	(1.077)	1269997	10.0000	10
74 Isopropylbenzene	105		15.881	15.886	(1.085)	2970926	10.0000	11
75 1,1,2,2-Tetrachloroethane	83		16.307	16.313	(1.114)	1490339	10.0000	11
76 n-Propylbenzene	91		16.377	16.382	(1.118)	3560567	10.0000	11
77 1,2,3-Trichloropropane	75		16.382	16.393	(1.119)	1071705	10.0000	11
78 n-Decane	57		16.473	16.478	(1.125)	1292518	10.0000	11
79 4-Ethyltoluene	105		16.505	16.516	(1.127)	3129030	10.0000	11
80 2-Chlorotoluene	91		16.537	16.542	(1.129)	2622285	10.0000	10
81 1,3,5-Trimethylbenzene	105		16.580	16.585	(1.132)	2481178	10.0000	10
82 Alpha Methyl Styrene	118		16.852	16.857	(1.151)	1304240	10.0000	11
83 tert-butylbenzene	119		16.943	16.953	(1.157)	2458555	10.0000	10
84 1,2,4-Trimethylbenzene	105		17.017	17.023	(1.162)	2458729	10.0000	10
85 sec-Butylbenzene	105		17.193	17.199	(1.174)	3727635	10.0000	11
86 4-Isopropyltoluene	119		17.343	17.348	(1.184)	3147416	10.0000	11
87 1,3-Dichlorobenzene	146		17.402	17.407	(1.188)	1852394	10.0000	10
88 1,4-Dichlorobenzene	146		17.508	17.514	(1.196)	1850093	10.0000	10
89 Benzyl chloride	91		17.647	17.658	(1.205)	1909450	10.0000	10
90 Undecane	57		17.807	17.818	(1.216)	1072771	10.0000	9.7
91 n-Butylbenzene	91		17.818	17.823	(1.217)	2722355	10.0000	11
92 1,2-Dichlorobenzene	146		17.957	17.962	(1.226)	1725690	10.0000	9.8
93 Dodecane	57		19.147	19.157	(1.308)	338686	10.0000	4.9(a)
94 1,2,4-Trichlorobenzene	180		20.097	20.113	(1.373)	961607	10.0000	8.3
95 1,3-Hexachlorobutadiene	225		20.251	20.268	(1.383)	944210	10.0000	9.1
96 Naphthalene	128		20.518	20.534	(1.401)	1746717	10.0000	8.0
97 1,2,3-Trichlorobenzene	180		20.940	20.956	(1.430)	764449	10.0000	9.1

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: bkyj02.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ccvis 480518
Lab Sample ID: ccvis 480518

Date: 13-APR-2013 14:30
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Lab Sample ID: ICV 200-53428/3 Calibration Date: 03/25/2013 12:48
 Instrument ID: G.i Calib Start Date: 03/23/2013 17:53
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/24/2013 14:13
 Lab File ID: giaa03.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.3281	0.3196		9.74	10.0	-2.6	30.0
Dichlorodifluoromethane	Ave	2.173	2.273		10.5	10.0	4.6	30.0
Freon 22	Ave	0.9557	0.999		10.4	10.0	4.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.060	2.129		10.3	10.0	3.4	30.0
Chloromethane	Ave	0.4405	0.4508		10.2	10.0	2.4	30.0
n-Butane	Ave	0.6162	0.6400		10.4	10.0	3.9	30.0
Vinyl chloride	Ave	0.6083	0.5970		9.81	10.0	-1.9	30.0
1,3-Butadiene	Ave	0.3287	0.3754		11.4	10.0	14.2	30.0
Bromomethane	Ave	0.8144	0.8129		9.98	10.0	-0.2	30.0
Chloroethane	Ave	0.2556	0.2687		10.5	10.0	5.1	30.0
Isopentane	Ave	0.4786	0.4889		10.2	10.0	2.1	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8464	0.8493		10.0	10.0	0.3	30.0
Trichlorofluoromethane	Ave	2.465	2.479		10.1	10.0	0.6	30.0
n-Pentane	Ave	0.6796	0.6936		10.2	10.0	2.1	30.0
Ethanol	Ave	0.1538	0.1291		12.6	15.0	-16.0	30.0
Ethyl ether	Ave	0.2819	0.2355		8.35	10.0	-16.4	30.0
Acrolein	Ave	0.1567	0.1172		7.48	10.0	-25.2	30.0
Freon TF	Ave	1.540	1.709		11.1	10.0	11.0	30.0
1,1-Dichloroethene	Ave	0.6306	0.7068		11.2	10.0	12.1	30.0
Acetone	Ave	0.6410	0.5354		8.35	10.0	-16.5	30.0
Carbon disulfide	Ave	1.837	1.900		10.3	10.0	3.4	30.0
Isopropyl alcohol	Ave	0.4614	0.3971		8.61	10.0	-13.9	30.0
3-Chloropropene	Ave	0.5041	0.5105		10.1	10.0	1.3	30.0
Acetonitrile	Ave	0.2782	0.2563		9.21	10.0	-7.9	30.0
Methylene Chloride	Ave	0.5711	0.6180		10.8	10.0	8.2	30.0
tert-Butyl alcohol	Ave	0.7996	0.6817		8.52	10.0	-14.7	30.0
Methyl tert-butyl ether	Ave	1.485	1.311		8.83	10.0	-11.7	30.0
trans-1,2-Dichloroethene	Ave	0.8435	0.8801		10.4	10.0	4.3	30.0
Acrylonitrile	Ave	0.2795	0.2487		8.89	10.0	-11.0	30.0
n-Hexane	Ave	0.6340	0.6677		10.5	10.0	5.3	30.0
1,1-Dichloroethane	Ave	1.077	1.088		10.4	10.0	0.9	30.0
Vinyl acetate	Ave	0.8915	0.7590		8.51	10.0	-14.9	30.0
cis-1,2-Dichloroethene	Ave	0.8172	0.8366		10.2	10.0	2.4	30.0
Methyl Ethyl Ketone	Ave	0.2322	0.1959		8.44	10.0	-15.6	30.0
Ethyl acetate	Ave	0.0374	0.0299		7.99	10.0	-20.1	30.0
Tetrahydrofuran	Ave	0.0728	0.0740		10.2	10.0	1.5	30.0
Chloroform	Ave	1.883	1.881		9.99	10.0	-0.1	30.0
1,1,1-Trichloroethane	Ave	0.4011	0.4714		11.8	10.0	17.5	30.0
Cyclohexane	Ave	0.1680	0.1983		11.8	10.0	18.0	30.0
Carbon tetrachloride	Ave	0.4840	0.5508		11.4	10.0	13.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-35521-1

SDG No.: _____

Lab Sample ID: ICV 200-53428/3 Calibration Date: 03/25/2013 12:48

Instrument ID: G.i Calib Start Date: 03/23/2013 17:53

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/24/2013 14:13

Lab File ID: giaa03.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.4286	0.4613		10.8	10.0	7.7	30.0
2,2,4-Trimethylpentane	Ave	0.5214	0.5972		11.5	10.0	14.5	30.0
1,2-Dichloroethane	Ave	0.2144	0.2283		10.6	10.0	6.5	30.0
n-Heptane	Ave	0.1729	0.1888		10.9	10.0	9.2	30.0
n-Butanol	Ave	0.0464	0.0458		9.87	10.0	-1.3	30.0
Trichloroethene	Ave	0.3027	0.3096		10.2	10.0	2.3	30.0
1,2-Dichloropropane	Ave	0.1753	0.1759		10.0	10.0	0.4	30.0
Methyl methacrylate	Ave	0.1347	0.1379		10.2	10.0	2.4	30.0
1,4-Dioxane	Ave	0.0786	0.0742		9.43	10.0	-5.7	30.0
Dibromomethane	Ave	0.2660	0.2853		10.7	10.0	7.2	30.0
Bromodichloromethane	Ave	0.4745	0.5282		11.1	10.0	11.3	30.0
cis-1,3-Dichloropropene	Ave	0.2928	0.2845		9.72	10.0	-2.8	30.0
methyl isobutyl ketone	Ave	0.2497	0.2608		10.4	10.0	4.5	30.0
Toluene	Ave	0.3800	0.3284		8.64	10.0	-13.6	30.0
n-Octane	Ave	0.3067	0.2946		9.60	10.0	-3.9	30.0
trans-1,3-Dichloropropene	Ave	0.2677	0.2748		10.3	10.0	2.7	30.0
1,1,2-Trichloroethane	Ave	0.1786	0.1510		8.45	10.0	-15.5	30.0
Tetrachloroethene	Ave	0.3741	0.3325		8.89	10.0	-11.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.1766	0.1744		9.88	10.0	-1.2	30.0
Dibromochloromethane	Ave	0.4234	0.4198		9.91	10.0	-0.8	30.0
1,2-Dibromoethane	Ave	0.3436	0.3031		8.82	10.0	-11.8	30.0
Chlorobenzene	Ave	0.5348	0.5067		9.47	10.0	-5.3	30.0
Ethylbenzene	Ave	0.7633	0.7438		9.74	10.0	-2.6	30.0
n-Nonane	Ave	0.2631	0.2476		9.41	10.0	-5.9	30.0
m,p-Xylene	Ave	0.3063	0.2936		19.2	20.0	-4.1	30.0
Xylene, o-	Ave	0.3295	0.2768		8.40	10.0	-16.0	30.0
Styrene	Ave	0.3925	0.3567		9.09	10.0	-9.1	30.0
Bromoform	Ave	0.3363	0.3295		9.80	10.0	-2.0	30.0
Cumene	Ave	0.9560	0.8060		8.43	10.0	-15.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.4400	0.3684		8.37	10.0	-16.3	30.0
1,2,3-Trichloropropane	Ave	0.3174	0.2718		8.56	10.0	-14.4	30.0
n-Propylbenzene	Ave	0.9614	0.8281		8.61	10.0	-13.9	30.0
2-Chlorotoluene	Ave	0.6975	0.6161		8.83	10.0	-11.7	30.0
4-Ethyltoluene	Ave	0.7987	0.7174		8.98	10.0	-10.2	30.0
n-Decane	Ave	0.2676	0.2320		8.67	10.0	-13.3	30.0
1,3,5-Trimethylbenzene	Ave	0.7388	0.6235		8.44	10.0	-15.6	30.0
Alpha Methyl Styrene	Ave	0.3080	0.2882		9.35	10.0	-6.5	30.0
tert-Butylbenzene	Ave	0.7751	0.6517		8.41	10.0	-15.9	30.0
1,2,4-Trimethylbenzene	Ave	0.6928	0.5858		8.45	10.0	-15.4	30.0
sec-Butylbenzene	Ave	1.063	0.9121		8.58	10.0	-14.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Lab Sample ID: ICV 200-53428/3 Calibration Date: 03/25/2013 12:48
 Instrument ID: G.i Calib Start Date: 03/23/2013 17:53
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/24/2013 14:13
 Lab File ID: giaa03.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	0.8308	0.7434		8.95	10.0	-10.5	30.0
1,3-Dichlorobenzene	Ave	0.4081	0.3430		8.40	10.0	-16.0	30.0
1,4-Dichlorobenzene	Ave	0.3860	0.3193		8.27	10.0	-17.3	30.0
Benzyl chloride	Ave	0.3731	0.3477		9.32	10.0	-6.8	30.0
n-Butylbenzene	Ave	0.5777	0.5380		9.31	10.0	-6.9	30.0
n-Undecane	Ave	0.1850	0.1906		10.3	10.0	3.0	30.0
1,2-Dichlorobenzene	Ave	0.4356	0.3600		8.26	10.0	-17.4	30.0
n-Dodecane	Ave	0.0955	0.0956		10.0	10.0	0.0	30.0
1,2,4-Trichlorobenzene	Ave	0.1088	0.1170		10.7	10.0	7.5	30.0
Hexachlorobutadiene	Ave	0.2133	0.2140		10.0	10.0	0.3	30.0
Naphthalene	Ave	0.2708	0.3369		12.4	10.0	24.4	30.0
1,2,3-Trichlorobenzene	Ave	0.1100	0.1327		12.1	10.0	20.7	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/giaato15.b/giaa03.d
Lab Smp Id: icv 472115
Inj Date : 25-MAR-2013 12:48
Operator : BL
Smp Info : icv 472115
Misc Info : 200,1 icv
Comment :
Method : /chem/G.i/Gsvr.p/giaato15.b/to15v5.m
Meth Date : 27-Mar-2013 13:17 lyonsb
Cal Date : 24-MAR-2013 14:13
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gia20.d
QC Sample: METHSPIKE
Compound Sublist: allT015.sub

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	3.001	3.001	(0.294)	101877	9.73907	9.7	
2 Dichlorodifluoromethane	85	3.065	3.070	(0.301)	724480	10.4582	10	
3 Chlorodifluoromethane	51	3.108	3.113	(0.305)	318337	10.4487	10	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.327	3.333	(0.326)	678651	10.3347	10	
5 Chloromethane	50	3.445	3.450	(0.338)	143690	10.2333	10	
6 Butane	43	3.659	3.659	(0.359)	203976	10.3846	10	
7 Vinyl chloride	62	3.686	3.691	(0.361)	190287	9.81240	9.8	
8 1,3-Butadiene	54	3.766	3.771	(0.369)	119633	11.4154	11	
9 Bromomethane	94	4.419	4.424	(0.433)	259096	9.97990	10	
10 Chloroethane	64	4.654	4.659	(0.456)	85636	10.5083	11	
11 2-Methylbutane	43	4.766	4.772	(0.467)	155819	10.2119	10	
12 Vinyl bromide	106	5.045	5.044	(0.495)	270697	10.0326	10	
13 Trichlorofluoromethane	101	5.168	5.173	(0.507)	790114	10.0557	10	
14 Pentane	43	5.328	5.333	(0.523)	221068	10.2041	10	

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.697	5.702 (0.559)		61751	12.5971	13
16 Ethyl ether	59	5.836	5.836 (0.572)		75073	8.35463	8.4
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.259	6.264 (0.614)		544714	11.0929	11
18 Acrolein	56	6.141	6.146 (0.602)		37354	7.47790	7.5
19 1,1-Dichloroethene	96	6.270	6.275 (0.615)		225279	11.2059	11
20 Acetone	43	6.452	6.457 (0.633)		170627	8.35004	8.4
21 Carbon disulfide	76	6.649	6.655 (0.652)		605606	10.3427	10
22 Isopropanol	45	6.778	6.783 (0.665)		126572	8.60551	8.6
23 Allyl chloride	41	7.040	7.040 (0.690)		162703	10.1252	10(M)
24 Acetonitrile	41	7.061	7.072 (0.693)		81699	9.21173	9.2(QM)
25 Methylene chloride	49	7.318	7.318 (0.718)		196973	10.8190	11
26 Tert-butyl alcohol	59	7.559	7.564 (0.741)		217272	8.52405	8.5
27 Methyl tert-butyl ether	73	7.778	7.783 (0.763)		417857	8.82632	8.8
28 1,2-Dichloroethene (trans)	61	7.789	7.789 (0.764)		280489	10.4314	10
29 Acrylonitrile	53	7.853	7.853 (0.770)		79260	8.89425	8.9
30 n-Hexane	57	8.244	8.238 (0.808)		212801	10.5292	11
31 1,1-Dichloroethane	63	8.634	8.634 (0.847)		346639	10.4346	10
32 Vinyl acetate	43	8.730	8.730 (0.856)		241913	8.51192	8.5
M 33 1,2-Dichloroethene,Total	61				547134	20.6668	21
34 1,2-Dichloroethene (cis)	96	9.742	9.741 (0.955)		266645	10.2354	10
35 Ethyl acetate	88	9.865	9.865 (0.967)		9515	7.98812	8.0(Q)
36 Methyl Ethyl Ketone	72	9.774	9.774 (0.959)		62448	8.43599	8.4
* 37 Bromochloromethane	128	10.196	10.196 (1.000)		318783	10.0000	
38 Tetrahydrofuran	42	10.239	10.239 (0.838)		118484	10.1520	10
39 Chloroform	83	10.341	10.346 (1.014)		599498	9.98682	10
40 Cyclohexane	84	10.672	10.672 (0.873)		317656	11.7993	12
41 1,1,1-Trichloroethane	97	10.651	10.651 (0.872)		755343	11.7523	12
42 Carbon tetrachloride	117	10.929	10.929 (0.894)		882539	11.3784	11
43 2,2,4-Trimethylpentane	57	11.427	11.432 (0.935)		956803	11.4517	11
44 Benzene	78	11.363	11.362 (0.930)		739149	10.7629	11
45 1,2-Dichloroethane	62	11.502	11.502 (0.941)		365701	10.6451	11
46 n-Heptane	43	11.839	11.833 (0.969)		302479	10.9173	11
* 47 1,4-Difluorobenzene	114	12.219	12.224 (1.000)		1602506	10.0000	
48 n-Butanol	56	12.620	12.620 (1.033)		73380	9.87260	9.9
49 Trichloroethene	95	12.716	12.716 (1.041)		496089	10.2274	10
50 1,2-Dichloropropane	63	13.235	13.240 (1.083)		281789	10.0334	10
51 Methyl methacrylate	69	13.460	13.460 (1.102)		220923	10.2336	10
52 Dibromomethane	174	13.497	13.492 (1.105)		457141	10.7227	11
53 1,4-Dioxane	88	13.492	13.486 (1.104)		118826	9.43116	9.4
54 Bromodichloromethane	83	13.813	13.813 (1.130)		846334	11.1301	11
55 1,3-Dichloropropene (cis)	75	14.797	14.797 (1.211)		455875	9.71522	9.7
56 Methyl isobutyl ketone	43	15.091	15.097 (1.235)		417860	10.4440	10
57 n-Octane	43	15.594	15.605 (1.276)		472060	9.60386	9.6
58 Toluene	92	15.434	15.434 (0.841)		689132	8.64026	8.6
59 1,3-Dichloropropene (trans)	75	16.001	16.006 (1.310)		440347	10.2650	10
60 1,1,2-Trichloroethane	83	16.370	16.375 (0.892)		316840	8.45221	8.5
61 Tetrachloroethene	166	16.573	16.573 (0.903)		697765	8.88595	8.9

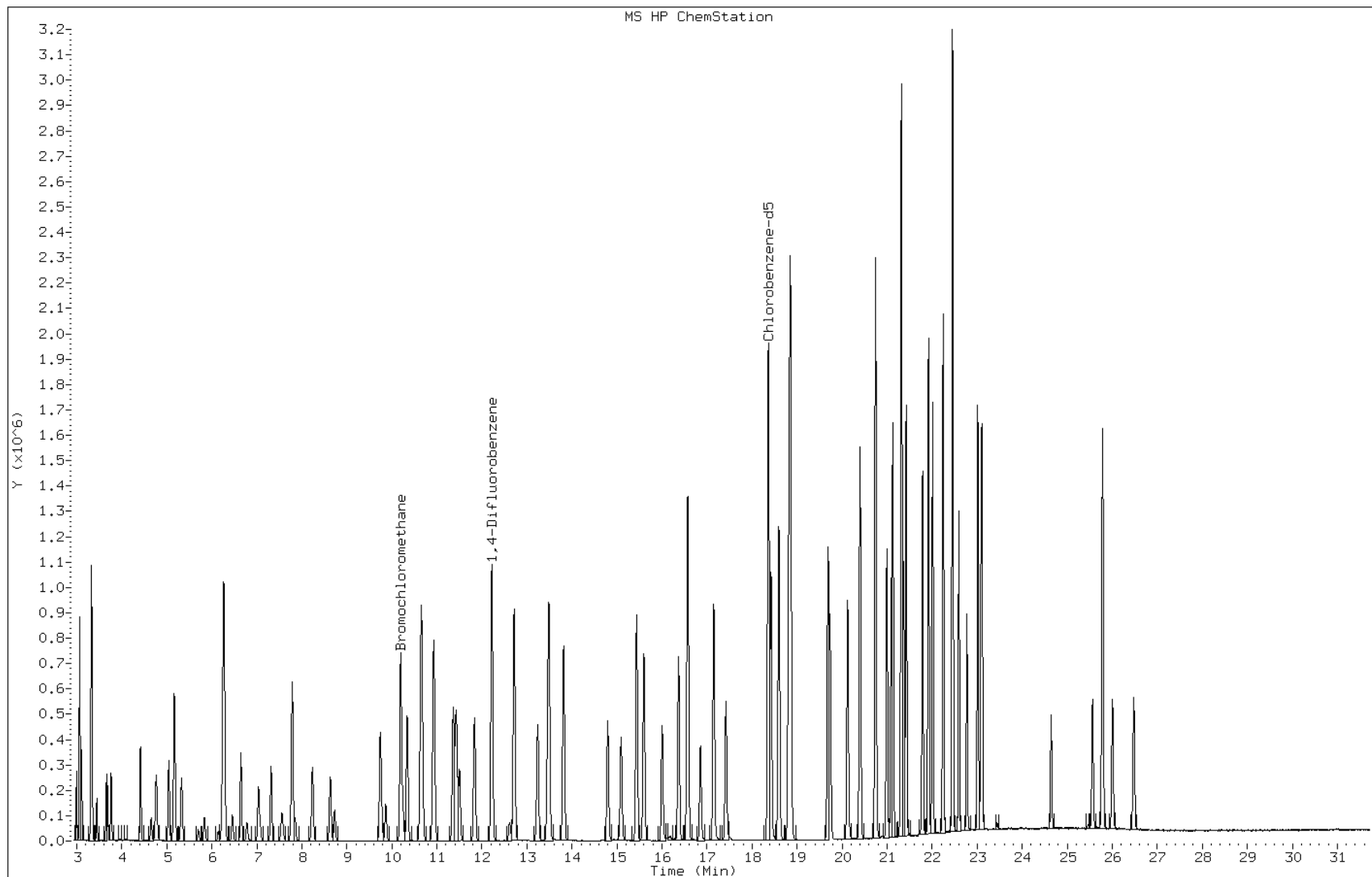
Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	16.851	16.851	(0.918)	366026	9.87716	9.9
63 Dibromochloromethane	129	17.151	17.151	(0.934)	881001	9.91347	9.9
64 1,2-Dibromoethane	107	17.418	17.424	(0.949)	636049	8.81931	8.8
* 65 Chlorobenzene-d5	117	18.360	18.360	(1.000)	2098911	10.0000	
66 Chlorobenzene	112	18.419	18.424	(1.003)	1063300	9.47189	9.5
67 n-Nonane	57	18.815	18.815	(1.025)	519627	9.40919	9.4
68 Ethylbenzene	91	18.595	18.601	(1.013)	1560855	9.74267	9.7
69 Xylene (m,p)	106	18.852	18.852	(1.027)	1232297	19.1699	19
M 70 Xylenes, Total	106				1813111	27.5669	28
71 Xylene (o)	106	19.687	19.687	(1.072)	580814	8.39701	8.4
72 Styrene	104	19.730	19.735	(1.075)	748501	9.08671	9.1
73 Bromoform	173	20.125	20.125	(1.096)	691511	9.79717	9.8
74 Isopropylbenzene	105	20.398	20.398	(1.111)	1691474	8.42991	8.4
75 1,1,2,2-Tetrachloroethane	83	20.997	20.997	(1.144)	773177	8.37160	8.4
76 n-Propylbenzene	91	21.126	21.126	(1.151)	1737661	8.61107	8.6
77 1,2,3-Trichloropropane	75	21.088	21.094	(1.149)	570430	8.56207	8.6
78 n-Decane	57	21.366	21.366	(1.164)	486900	8.67010	8.7
79 4-Ethyltoluene	105	21.318	21.318	(1.161)	1505380	8.98016	9.0
80 2-Chlorotoluene	91	21.313	21.313	(1.161)	1292940	8.83191	8.8
81 1,3,5-Trimethylbenzene	105	21.425	21.425	(1.167)	1308357	8.43779	8.4
82 Alpha Methyl Styrene	118	21.789	21.789	(1.187)	604700	9.35279	9.4
83 tert-butylbenzene	119	21.918	21.923	(1.194)	1367570	8.40615	8.4
84 1,2,4-Trimethylbenzene	105	22.008	22.008	(1.199)	1229214	8.45351	8.5
85 sec-Butylbenzene	105	22.249	22.249	(1.212)	1913930	8.57954	8.6
86 4-Isopropyltoluene	119	22.453	22.452	(1.223)	1560091	8.94625	8.9
87 1,3-Dichlorobenzene	146	22.458	22.463	(1.223)	719735	8.40189	8.4
88 1,4-Dichlorobenzene	146	22.592	22.597	(1.230)	670008	8.27040	8.3
89 Benzyl chloride	91	22.768	22.768	(1.240)	729686	9.31794	9.3
90 Undecane	57	23.084	23.089	(1.257)	399951	10.2981	10
91 n-Butylbenzene	91	23.014	23.014	(1.253)	1129085	9.31242	9.3
92 1,2-Dichlorobenzene	146	23.110	23.110	(1.259)	755515	8.26286	8.3
93 Dodecane	57	24.646	24.646	(1.342)	200540	10.0051	10
94 1,2,4-Trichlorobenzene	180	25.561	25.561	(1.392)	245463	10.7493	11
95 1,3-Hexachlorobutadiene	225	25.785	25.785	(1.404)	449049	10.0294	10
96 Naphthalene	128	26.010	26.010	(1.417)	706934	12.4374	12
97 1,2,3-Trichlorobenzene	180	26.475	26.475	(1.442)	278558	12.0646	12

QC Flag Legend

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

Data File: giaa03.d
Client ID:
Operator: BL
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icv 472115
Lab Sample ID: icv 472115

Date: 25-MAR-2013 12:48
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32

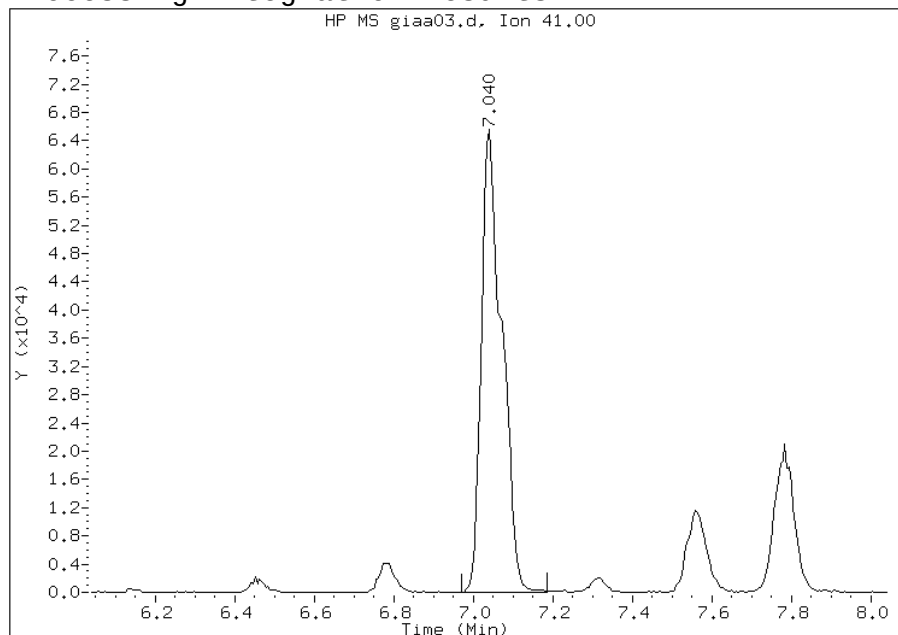


Manual Integration Report

Data File: giaa03.d
Lab Sample ID: icv 472115
Inj. Date and Time: 25-MAR-2013 12:48
Instrument ID: G.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 03/27/2013

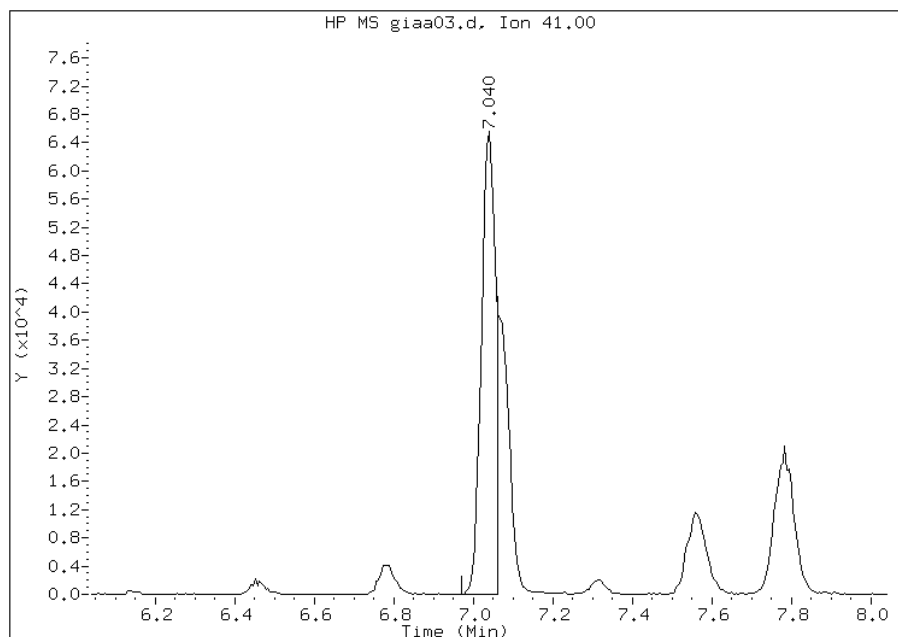
Processing Integration Results

RT: 7.04
Response: 234519
Amount: 14.59
Conc: 14.59



Manual Integration Results

RT: 7.04
Response: 162703
Amount: 10.13
Conc: 10.13



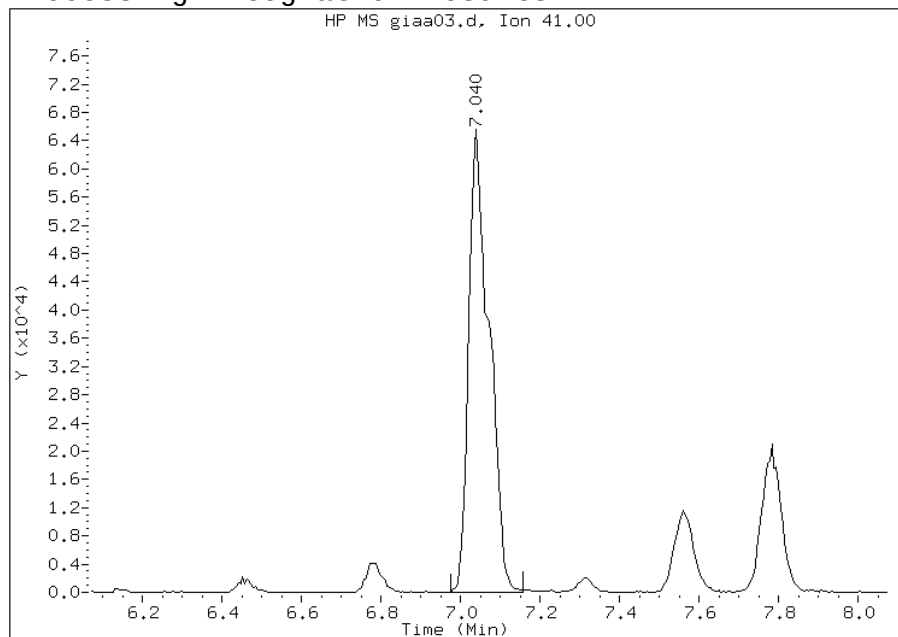
File Uploaded By: lyonsb
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: giaa03.d
Lab Sample ID: icv 472115
Inj. Date and Time: 25-MAR-2013 12:48
Instrument ID: G.i
Client ID:
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 03/27/2013

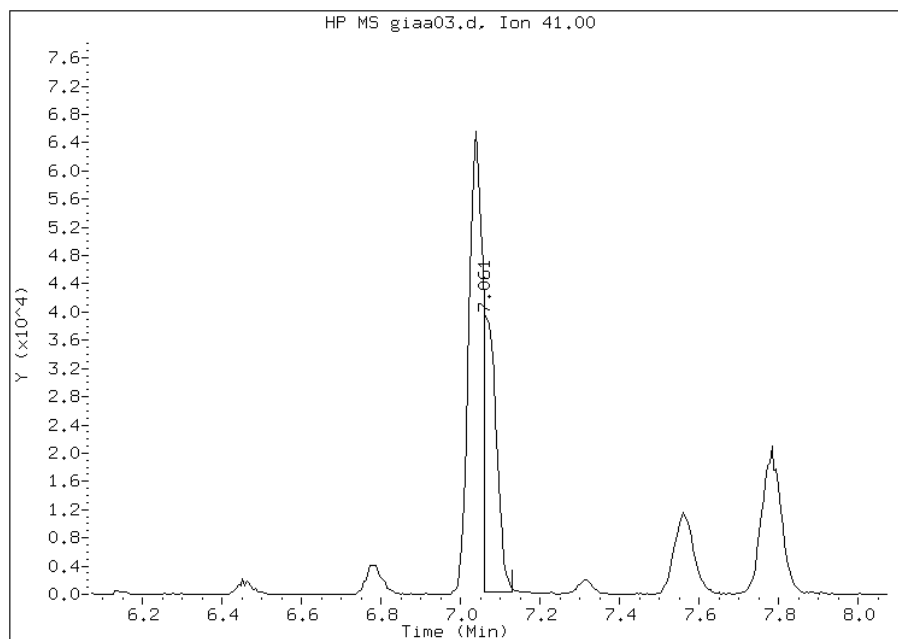
Processing Integration Results

RT: 7.04
Response: 234087
Amount: 26.39
Conc: 26.39



Manual Integration Results

RT: 7.06
Response: 81699
Amount: 9.21
Conc: 9.21



File Uploaded By: lyonsb
Manual Integration Reason: Baseline event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-54445/2 Calibration Date: 04/17/2013 11:18
 Instrument ID: G.i Calib Start Date: 03/23/2013 17:53
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/24/2013 14:13
 Lab File ID: giar02.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.3281	0.3814		11.6	10.0	16.2	30.0
Dichlorodifluoromethane	Ave	2.173	2.634		12.1	10.0	21.2	30.0
Freon 22	Ave	0.9557	1.140		11.9	10.0	19.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.060	2.443		11.9	10.0	18.6	30.0
Chloromethane	Ave	0.4405	0.5088		11.5	10.0	15.5	30.0
n-Butane	Ave	0.6162	0.7172		11.6	10.0	16.4	30.0
Vinyl chloride	Ave	0.6083	0.6422		10.6	10.0	5.6	30.0
1,3-Butadiene	Ave	0.3287	0.3926		11.9	10.0	19.4	30.0
Bromomethane	Ave	0.8144	0.8630		10.6	10.0	6.0	30.0
Chloroethane	Ave	0.2556	0.2653		10.4	10.0	3.8	30.0
Isopentane	Ave	0.4786	0.5160		10.8	10.0	7.8	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8464	0.8723		10.3	10.0	3.1	30.0
Trichlorofluoromethane	Ave	2.465	2.638		10.7	10.0	7.0	30.0
n-Pentane	Ave	0.6796	0.7679		11.3	10.0	13.0	30.0
Ethanol	Ave	0.1538	0.1654		16.1	15.0	7.6	30.0
Ethyl ether	Ave	0.2819	0.2997		10.6	10.0	6.3	30.0
Acrolein	Ave	0.1567	0.1539		9.82	10.0	-1.8	30.0
Freon TF	Ave	1.540	1.665		10.8	10.0	8.1	30.0
1,1-Dichloroethene	Ave	0.6306	0.6816		10.8	10.0	8.1	30.0
Acetone	Ave	0.6410	0.6764		10.6	10.0	5.5	30.0
Carbon disulfide	Ave	1.837	2.094		11.4	10.0	14.0	30.0
Isopropyl alcohol	Ave	0.4614	0.4765		10.3	10.0	3.3	30.0
3-Chloropropene	Ave	0.5041	0.5490		10.9	10.0	8.9	30.0
Acetonitrile	Ave	0.2782	0.3215		11.6	10.0	15.5	30.0
Methylene Chloride	Ave	0.5711	0.6420		11.2	10.0	12.4	30.0
tert-Butyl alcohol	Ave	0.7996	0.8431		10.5	10.0	5.4	30.0
Methyl tert-butyl ether	Ave	1.485	1.576		10.6	10.0	6.1	30.0
trans-1,2-Dichloroethene	Ave	0.8435	0.9492		11.3	10.0	12.5	30.0
Acrylonitrile	Ave	0.2795	0.2958		10.6	10.0	5.8	30.0
n-Hexane	Ave	0.6340	0.7338		11.6	10.0	15.7	30.0
1,1-Dichloroethane	Ave	1.077	1.181		11.0	10.0	9.6	30.0
Vinyl acetate	Ave	0.8915	0.9001		10.1	10.0	1.0	30.0
cis-1,2-Dichloroethene	Ave	0.8172	0.8919		10.9	10.0	9.1	30.0
Methyl Ethyl Ketone	Ave	0.2322	0.2220		9.56	10.0	-4.4	30.0
Ethyl acetate	Ave	0.0374	0.0375		10.0	10.0	0.3	30.0
Tetrahydrofuran	Ave	0.0728	0.0826		11.3	10.0	13.4	30.0
Chloroform	Ave	1.883	2.036		10.8	10.0	8.1	30.0
1,1,1-Trichloroethane	Ave	0.4011	0.5048		12.6	10.0	25.9	30.0
Cyclohexane	Ave	0.1680	0.2046		12.2	10.0	21.8	30.0
Carbon tetrachloride	Ave	0.4840	0.5564		11.5	10.0	14.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-35521-1

SDG No.: _____

Lab Sample ID: CCVIS 200-54445/2 Calibration Date: 04/17/2013 11:18

Instrument ID: G.i Calib Start Date: 03/23/2013 17:53

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/24/2013 14:13

Lab File ID: giac02.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.4286	0.4887		11.4	10.0	14.0	30.0
2,2,4-Trimethylpentane	Ave	0.5214	0.6282		12.0	10.0	20.5	30.0
1,2-Dichloroethane	Ave	0.2144	0.2529		11.8	10.0	18.0	30.0
n-Heptane	Ave	0.1729	0.2006		11.6	10.0	16.0	30.0
n-Butanol	Ave	0.0464	0.0520		11.2	10.0	12.2	30.0
Trichloroethene	Ave	0.3027	0.3530		11.7	10.0	16.6	30.0
1,2-Dichloropropane	Ave	0.1753	0.1911		10.9	10.0	9.0	30.0
Methyl methacrylate	Ave	0.1347	0.1475		10.9	10.0	9.5	30.0
Dibromomethane	Ave	0.2660	0.2688		10.1	10.0	1.0	30.0
1,4-Dioxane	Ave	0.0786	0.0770		9.79	10.0	-2.0	30.0
Bromodichloromethane	Ave	0.4745	0.5454		11.5	10.0	14.9	30.0
cis-1,3-Dichloropropene	Ave	0.2928	0.3074		10.5	10.0	5.0	30.0
methyl isobutyl ketone	Ave	0.2497	0.2683		10.7	10.0	7.5	30.0
Toluene	Ave	0.3800	0.4144		10.9	10.0	9.1	30.0
n-Octane	Ave	0.3067	0.3254		10.6	10.0	6.1	30.0
trans-1,3-Dichloropropene	Ave	0.2677	0.3020		11.3	10.0	12.8	30.0
1,1,2-Trichloroethane	Ave	0.1786	0.1983		11.1	10.0	11.0	30.0
Tetrachloroethene	Ave	0.3741	0.3832		10.2	10.0	2.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.1766	0.2088		11.8	10.0	18.3	30.0
Dibromochloromethane	Ave	0.4234	0.4787		11.3	10.0	13.1	30.0
1,2-Dibromoethane	Ave	0.3436	0.3706		10.8	10.0	7.9	30.0
Chlorobenzene	Ave	0.5348	0.5387		10.1	10.0	0.7	30.0
Ethylbenzene	Ave	0.7633	0.8355		10.9	10.0	9.5	30.0
n-Nonane	Ave	0.2631	0.2760		10.5	10.0	4.9	30.0
m,p-Xylene	Ave	0.3063	0.3285		21.4	20.0	7.2	30.0
Xylene, o-	Ave	0.3295	0.3541		10.7	10.0	7.5	30.0
Styrene	Ave	0.3925	0.4411		11.2	10.0	12.4	30.0
Bromoform	Ave	0.3363	0.3548		10.5	10.0	5.5	30.0
Cumene	Ave	0.9560	1.008		10.5	10.0	5.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.4400	0.4780		10.9	10.0	8.6	30.0
1,2,3-Trichloropropane	Ave	0.3174	0.3364		10.6	10.0	6.0	30.0
n-Propylbenzene	Ave	0.9614	1.035		10.8	10.0	7.7	30.0
2-Chlorotoluene	Ave	0.6975	0.7614		10.9	10.0	9.2	30.0
4-Ethyltoluene	Ave	0.7987	0.8715		10.9	10.0	9.1	30.0
n-Decane	Ave	0.2676	0.3011		11.3	10.0	12.5	30.0
1,3,5-Trimethylbenzene	Ave	0.7388	0.7965		10.8	10.0	7.8	30.0
Alpha Methyl Styrene	Ave	0.3080	0.3463		11.2	10.0	12.4	30.0
tert-Butylbenzene	Ave	0.7751	0.7967		10.3	10.0	2.8	30.0
1,2,4-Trimethylbenzene	Ave	0.6928	0.7579		10.9	10.0	9.4	30.0
sec-Butylbenzene	Ave	1.063	1.122		10.6	10.0	5.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-54445/2 Calibration Date: 04/17/2013 11:18
 Instrument ID: G.i Calib Start Date: 03/23/2013 17:53
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/24/2013 14:13
 Lab File ID: giar02.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	0.8308	0.9090		10.9	10.0	9.4	30.0
1,3-Dichlorobenzene	Ave	0.4081	0.4089		10.0	10.0	0.2	30.0
1,4-Dichlorobenzene	Ave	0.3860	0.3823		9.90	10.0	-1.0	30.0
Benzyl chloride	Ave	0.3731	0.3988		10.7	10.0	6.9	30.0
n-Butylbenzene	Ave	0.5777	0.6674		11.6	10.0	15.5	30.0
n-Undecane	Ave	0.1850	0.2344		12.7	10.0	26.7	30.0
1,2-Dichlorobenzene	Ave	0.4356	0.4326		9.93	10.0	-0.7	30.0
n-Dodecane	Ave	0.0955	0.1410		14.8	10.0	47.7*	30.0
1,2,4-Trichlorobenzene	Ave	0.1088	0.1195		11.0	10.0	9.8	30.0
Hexachlorobutadiene	Ave	0.2133	0.2277		10.7	10.0	6.7	30.0
Naphthalene	Ave	0.2708	0.3415		12.6	10.0	26.1	30.0
1,2,3-Trichlorobenzene	Ave	0.1100	0.1281		11.6	10.0	16.5	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/giaxto15.b/giax02.d
Lab Smp Id: ccvis
Inj Date : 17-APR-2013 11:18
Operator : BL
Smp Info : ccvis
Misc Info : 200,1 ccvis
Comment :
Method : /chem/G.i/Gsvr.p/giaxto15.b/to15v5.m
Meth Date : 18-Apr-2013 10:45 lyonsb
Cal Date : 24-MAR-2013 14:13
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gia20.d
Continuing Calibration Sample
Compound Sublist: allT015.sub

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	2.996	3.001	(0.295)	108771	10.0000	12
2 Dichlorodifluoromethane		85	3.065	3.070	(0.301)	751236	10.0000	12
3 Chlorodifluoromethane		51	3.108	3.113	(0.306)	325112	10.0000	12
4 1,2-Dichloro-1,1,2,2-tetraflu		85	3.322	3.333	(0.327)	696891	10.0000	12
5 Chloromethane		50	3.440	3.450	(0.338)	145108	10.0000	12
6 Butane		43	3.654	3.659	(0.359)	204538	10.0000	12
7 Vinyl chloride		62	3.680	3.691	(0.362)	183167	10.0000	11
8 1,3-Butadiene		54	3.761	3.771	(0.370)	111957	10.0000	12
9 Bromomethane		94	4.408	4.424	(0.433)	246133	10.0000	11
10 Chloroethane		64	4.649	4.659	(0.457)	75656	10.0000	10
11 2-Methylbutane		43	4.756	4.772	(0.468)	147163	10.0000	11
12 Vinyl bromide		106	5.034	5.044	(0.495)	248784	10.0000	10
13 Trichlorofluoromethane		101	5.157	5.173	(0.507)	752386	10.0000	11
14 Pentane		43	5.317	5.333	(0.523)	219002	10.0000	11

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	5.681	5.702 (0.559)		70793	15.0000	16
16 Ethyl ether	59	5.815	5.836 (0.572)		85465	10.0000	11
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.243	6.264 (0.614)		474860	10.0000	11
18 Acrolein	56	6.125	6.146 (0.602)		43880	10.0000	9.8
19 1,1-Dichloroethene	96	6.254	6.275 (0.615)		194397	10.0000	11
20 Acetone	43	6.436	6.457 (0.633)		192912	10.0000	11
21 Carbon disulfide	76	6.633	6.655 (0.652)		597086	10.0000	11
22 Isopropanol	45	6.757	6.783 (0.664)		135895	10.0000	10
23 Allyl chloride	41	7.024	7.040 (0.691)		156579	10.0000	11(M)
24 Acetonitrile	41	7.040	7.072 (0.692)		91683	10.0000	12(M)
25 Methylene chloride	49	7.297	7.318 (0.718)		183105	10.0000	11
26 Tert-butyl alcohol	59	7.538	7.564 (0.741)		240452	10.0000	11
27 Methyl tert-butyl ether	73	7.762	7.783 (0.763)		449411	10.0000	11
28 1,2-Dichloroethene (trans)	61	7.768	7.789 (0.764)		270704	10.0000	11
29 Acrylonitrile	53	7.826	7.853 (0.770)		84362	10.0000	11
30 n-Hexane	57	8.222	8.238 (0.809)		209288	10.0000	12
31 1,1-Dichloroethane	63	8.607	8.634 (0.846)		336827	10.0000	11
32 Vinyl acetate	43	8.709	8.730 (0.856)		256718	10.0000	10
M 33 1,2-Dichloroethene,Total	61				525063	20.0000	22
34 1,2-Dichloroethene (cis)	96	9.720	9.741 (0.956)		254359	10.0000	11
35 Ethyl acetate	88	9.849	9.865 (0.968)		10684	10.0000	10
36 Methyl Ethyl Ketone	72	9.747	9.774 (0.958)		63316	10.0000	9.6
* 37 Bromochloromethane	128	10.170	10.196 (1.000)		285260	10.0000	
38 Tetrahydrofuran	42	10.218	10.239 (0.838)		120609	10.0000	11
39 Chloroform	83	10.319	10.346 (1.015)		580629	10.0000	11
40 Cyclohexane	84	10.651	10.672 (0.874)		298866	10.0000	12
41 1,1,1-Trichloroethane	97	10.624	10.651 (0.871)		737398	10.0000	13
42 Carbon tetrachloride	117	10.908	10.929 (0.895)		812704	10.0000	11
43 2,2,4-Trimethylpentane	57	11.411	11.432 (0.936)		917623	10.0000	12
44 Benzene	78	11.336	11.362 (0.930)		713924	10.0000	11
45 1,2-Dichloroethane	62	11.475	11.502 (0.941)		369371	10.0000	12
46 n-Heptane	43	11.817	11.833 (0.969)		293061	10.0000	12
* 47 1,4-Difluorobenzene	114	12.192	12.224 (1.000)		1461058	10.0000	
48 n-Butanol	56	12.588	12.620 (1.032)		75990	10.0000	11
49 Trichloroethene	95	12.689	12.716 (1.041)		515717	10.0000	12
50 1,2-Dichloropropane	63	13.214	13.240 (1.084)		279086	10.0000	11
51 Methyl methacrylate	69	13.438	13.460 (1.102)		215387	10.0000	11
52 Dibromomethane	174	13.465	13.492 (1.104)		392702	10.0000	10
53 1,4-Dioxane	88	13.470	13.486 (1.105)		112515	10.0000	9.8
54 Bromodichloromethane	83	13.786	13.813 (1.131)		796686	10.0000	11
55 1,3-Dichloropropene (cis)	75	14.776	14.797 (1.212)		449055	10.0000	10
56 Methyl isobutyl ketone	43	15.065	15.097 (1.236)		391979	10.0000	11
57 n-Octane	43	15.578	15.605 (1.278)		475312	10.0000	11
58 Toluene	92	15.412	15.434 (0.840)		680579	10.0000	11
59 1,3-Dichloropropene (trans)	75	15.979	16.006 (1.311)		441168	10.0000	11
60 1,1,2-Trichloroethane	83	16.349	16.375 (0.891)		325629	10.0000	11
61 Tetrachloroethene	166	16.552	16.573 (0.903)		629339	10.0000	10

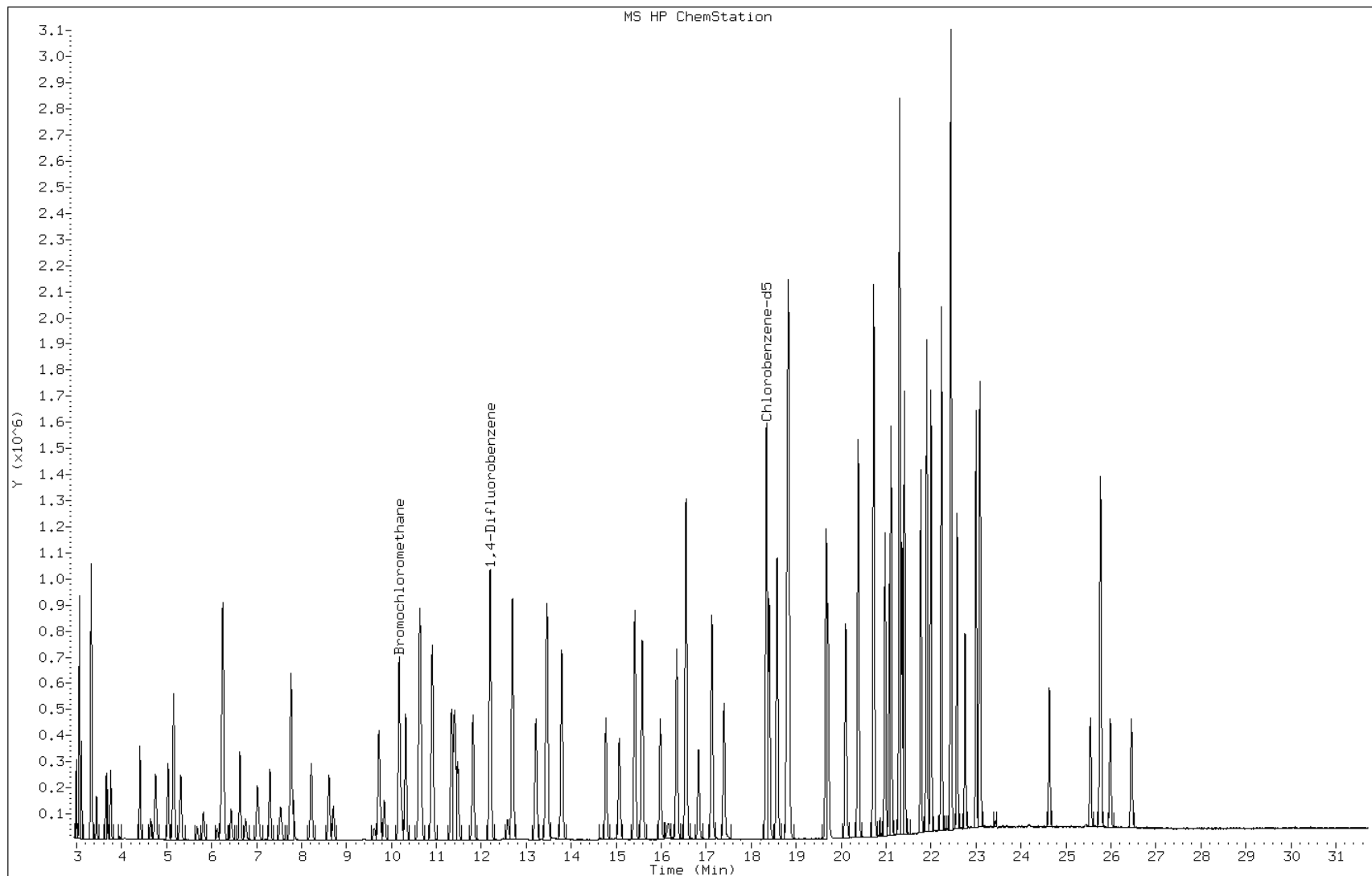
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	16.825	16.851	(0.917)	342957	10.0000	12
63 Dibromochloromethane	129	17.130	17.151	(0.934)	786098	10.0000	11
64 1,2-Dibromoethane	107	17.397	17.424	(0.949)	608557	10.0000	11
* 65 Chlorobenzene-d5	117	18.339	18.360	(1.000)	1642484	10.0000	
66 Chlorobenzene	112	18.397	18.424	(1.003)	884678	10.0000	10
67 n-Nonane	57	18.793	18.815	(1.025)	453152	10.0000	10
68 Ethylbenzene	91	18.579	18.601	(1.013)	1371991	10.0000	11
69 Xylene (m,p)	106	18.831	18.852	(1.027)	1078783	20.0000	21
M 70 Xylenes, Total	106				1660285	10.0000	32
71 Xylene (o)	106	19.665	19.687	(1.072)	581502	10.0000	11
72 Styrene	104	19.708	19.735	(1.075)	724329	10.0000	11
73 Bromoform	173	20.104	20.125	(1.096)	582575	10.0000	11
74 Isopropylbenzene	105	20.382	20.398	(1.111)	1655555	10.0000	11
75 1,1,2,2-Tetrachloroethane	83	20.976	20.997	(1.144)	784927	10.0000	11
76 n-Propylbenzene	91	21.110	21.126	(1.151)	1700031	10.0000	11
77 1,2,3-Trichloropropane	75	21.072	21.094	(1.149)	552479	10.0000	11
78 n-Decane	57	21.351	21.366	(1.164)	494426	10.0000	11
79 4-Ethyltoluene	105	21.302	21.318	(1.162)	1431135	10.0000	11
80 2-Chlorotoluene	91	21.297	21.313	(1.161)	1250412	10.0000	11
81 1,3,5-Trimethylbenzene	105	21.409	21.425	(1.167)	1307952	10.0000	11
82 Alpha Methyl Styrene	118	21.773	21.789	(1.187)	568691	10.0000	11
83 tert-butylbenzene	119	21.902	21.923	(1.194)	1308251	10.0000	10
84 1,2,4-Trimethylbenzene	105	21.998	22.008	(1.200)	1244556	10.0000	11
85 sec-Butylbenzene	105	22.233	22.249	(1.212)	1842179	10.0000	11
86 4-Isopropyltoluene	119	22.436	22.452	(1.223)	1492643	10.0000	11
87 1,3-Dichlorobenzene	146	22.447	22.463	(1.224)	671461	10.0000	10
88 1,4-Dichlorobenzene	146	22.581	22.597	(1.231)	627801	10.0000	9.9
89 Benzyl chloride	91	22.752	22.768	(1.241)	654904	10.0000	11
90 Undecane	57	23.073	23.089	(1.258)	384845	10.0000	13
91 n-Butylbenzene	91	23.004	23.014	(1.254)	1096021	10.0000	12
92 1,2-Dichlorobenzene	146	23.095	23.110	(1.259)	710456	10.0000	9.9
93 Dodecane	57	24.630	24.646	(1.343)	231547	10.0000	15
94 1,2,4-Trichlorobenzene	180	25.545	25.561	(1.393)	196194	10.0000	11
95 1,3-Hexachlorobutadiene	225	25.764	25.785	(1.405)	373883	10.0000	11
96 Naphthalene	128	25.989	26.010	(1.417)	560809	10.0000	13
97 1,2,3-Trichlorobenzene	180	26.454	26.475	(1.443)	210417	10.0000	12

QC Flag Legend

M - Compound response manually integrated.

Data File: giax02.d
Client ID:
Operator: BL
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ccvis
Lab Sample ID: ccvis

Date: 17-APR-2013 11:18
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32

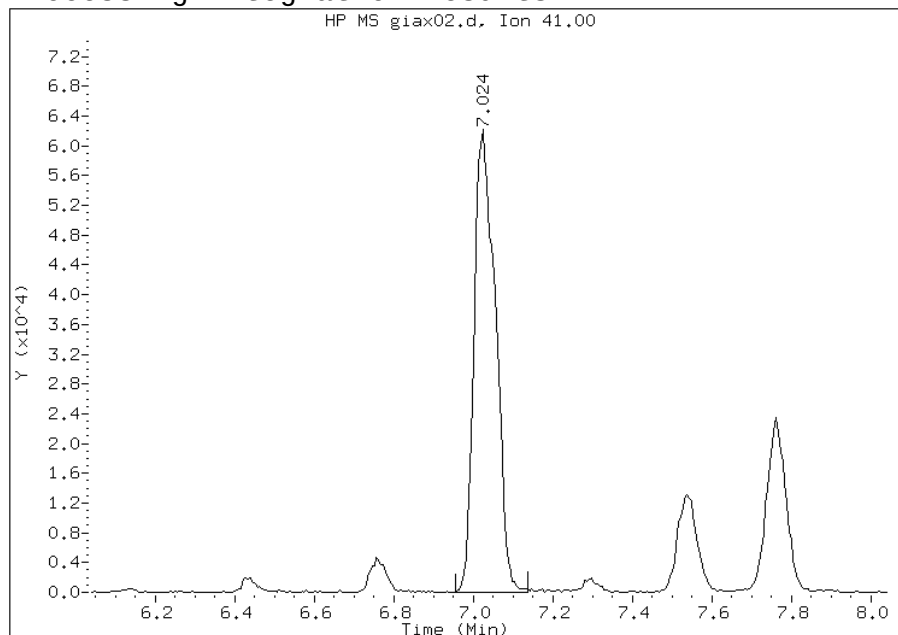


Manual Integration Report

Data File: gfax02.d
Lab Sample ID: ccvis
Inj. Date and Time: 17-APR-2013 11:18
Instrument ID: G.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/18/2013

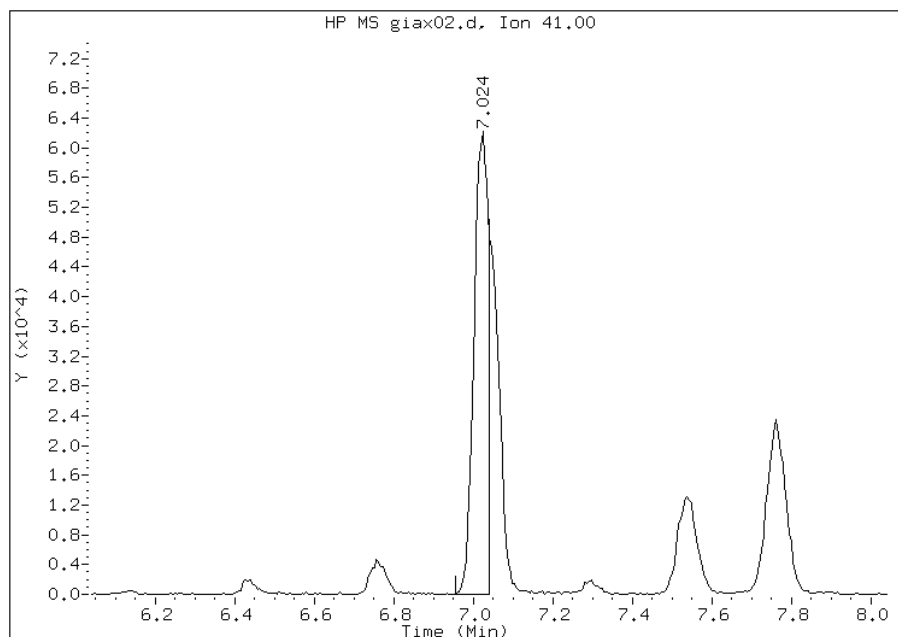
Processing Integration Results

RT: 7.02
Response: 233391
Amount: 16.23
Conc: 16.23



Manual Integration Results

RT: 7.02
Response: 156579
Amount: 10.89
Conc: 10.89



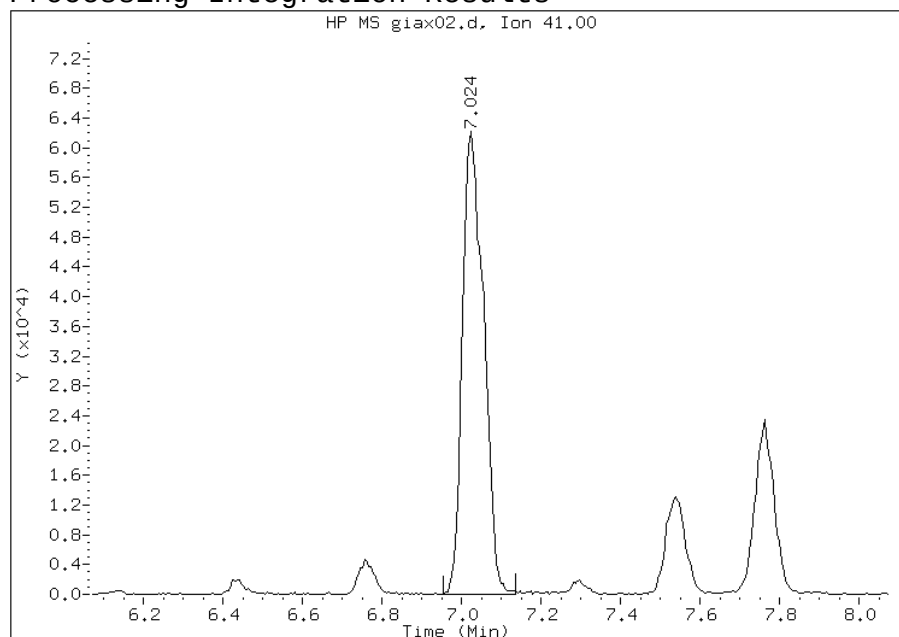
File Uploaded By: lyonsb
Manual Integration Reason: Poor chromatography

Manual Integration Report

Data File: giax02.d
Lab Sample ID: ccvis
Inj. Date and Time: 17-APR-2013 11:18
Instrument ID: G.i
Client ID:
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 04/18/2013

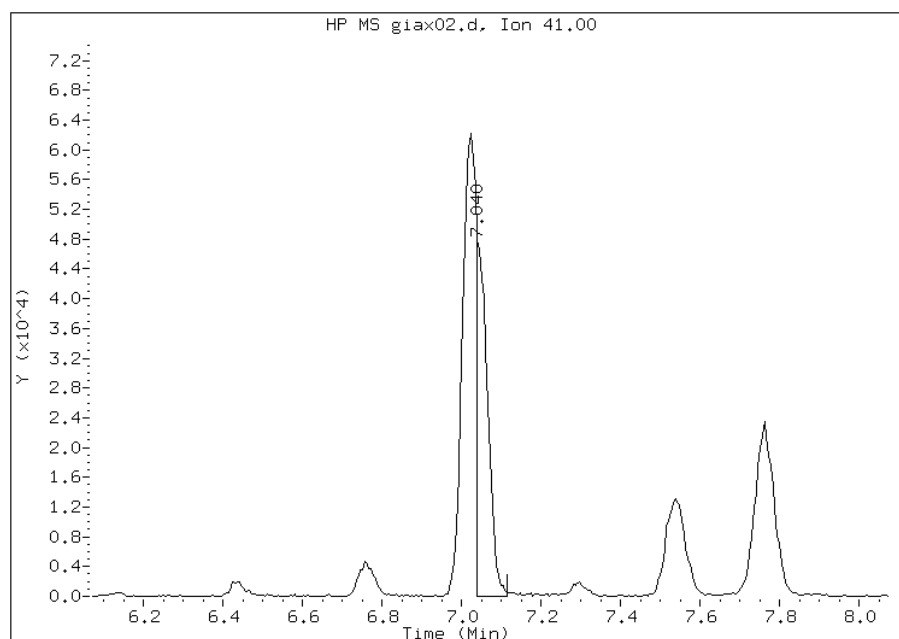
Processing Integration Results

RT: 7.02
Response: 233391
Amount: 29.41
Conc: 29.41



Manual Integration Results

RT: 7.04
Response: 91683
Amount: 11.55
Conc: 11.55



File Uploaded By: lyonsb
Manual Integration Reason: Poor chromatography

TestAmerica Burlington

Data file : /chem/B.i/Bsvr.p/bkyto15.b/bky01.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 03-APR-2013 14:22
Operator : pad Inst ID: B.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/B.i/Bsvr.p/bkyto15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
Cal Date : 23-JUL-2003 17:23 Cal File: ai0005i4.d
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

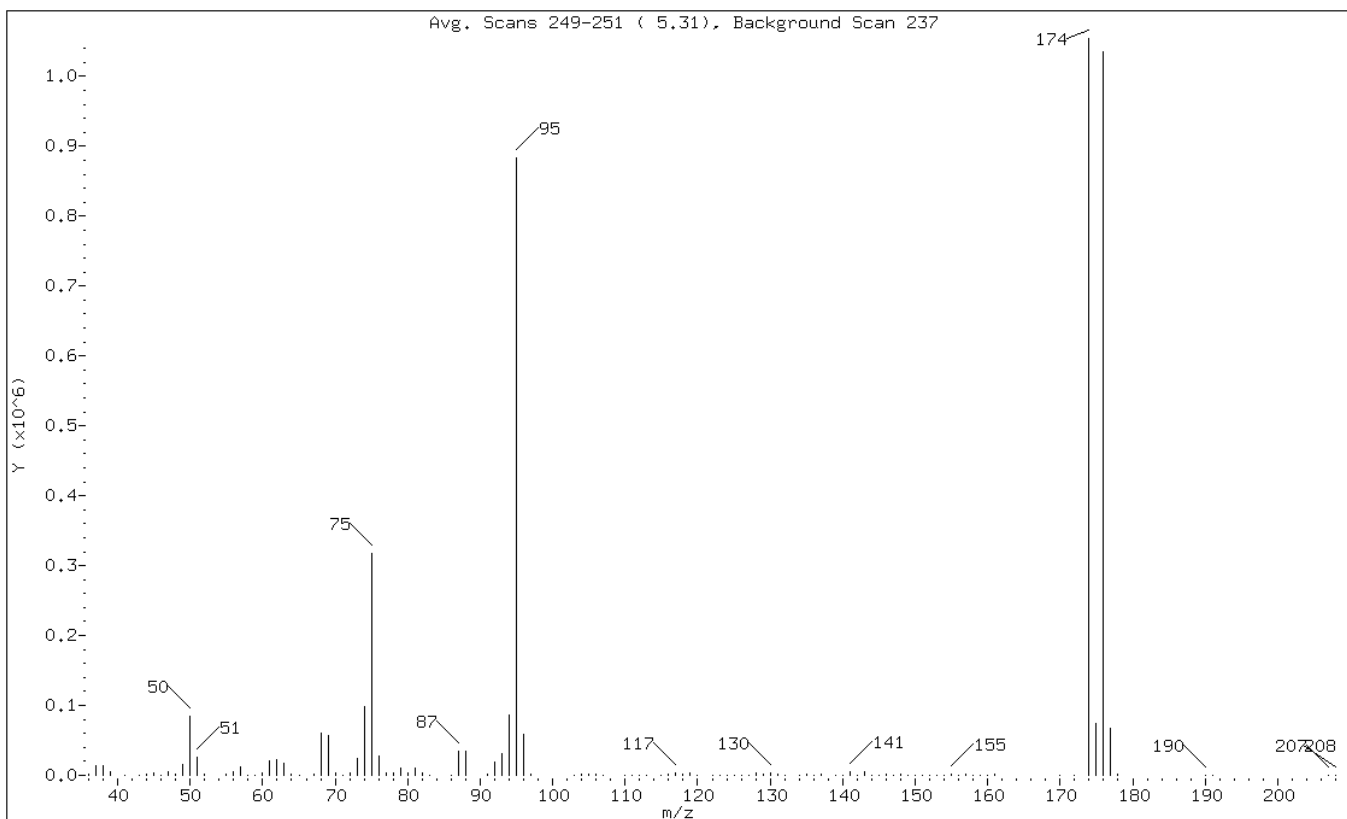
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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									
5.314	5.670	-0.356	95	882858			100.00- 100.00	83.75	
5.314	5.670	-0.356	50	85280			8.00- 40.00	9.66	
5.314	5.670	-0.356	75	317269			30.00- 66.00	35.94	
5.314	5.670	-0.356	96	58820			5.00- 9.00	6.66	
5.314	5.670	-0.356	173	0			0.00- 2.00	0.00	
5.314	5.670	-0.356	174	1054208			50.00- 120.00	119.41	
5.314	5.670	-0.356	175	74173			4.00- 9.00	7.04	
5.314	5.670	-0.356	176	1035392			93.00- 101.00	98.22	
5.314	5.670	-0.356	177	67304			5.00- 9.00	6.50	

Data File: bky01.d
 Client ID: BFB
 Operator: pad
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB
 1 bfb

Date: 03-APR-2013 14:22
 Instrument: B.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	9.66
75	30.00 - 66.00% of mass 95	35.94
96	5.00 - 9.00% of mass 95	6.66
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	119.41
175	4.00 - 9.00% of mass 174	8.40 (7.04)
176	93.00 - 101.00% of mass 174	117.28 (98.22)
177	5.00 - 9.00% of mass 176	7.62 (6.50)

Data File: bky01.d
 Client ID: BFB
 Operator: pad
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB

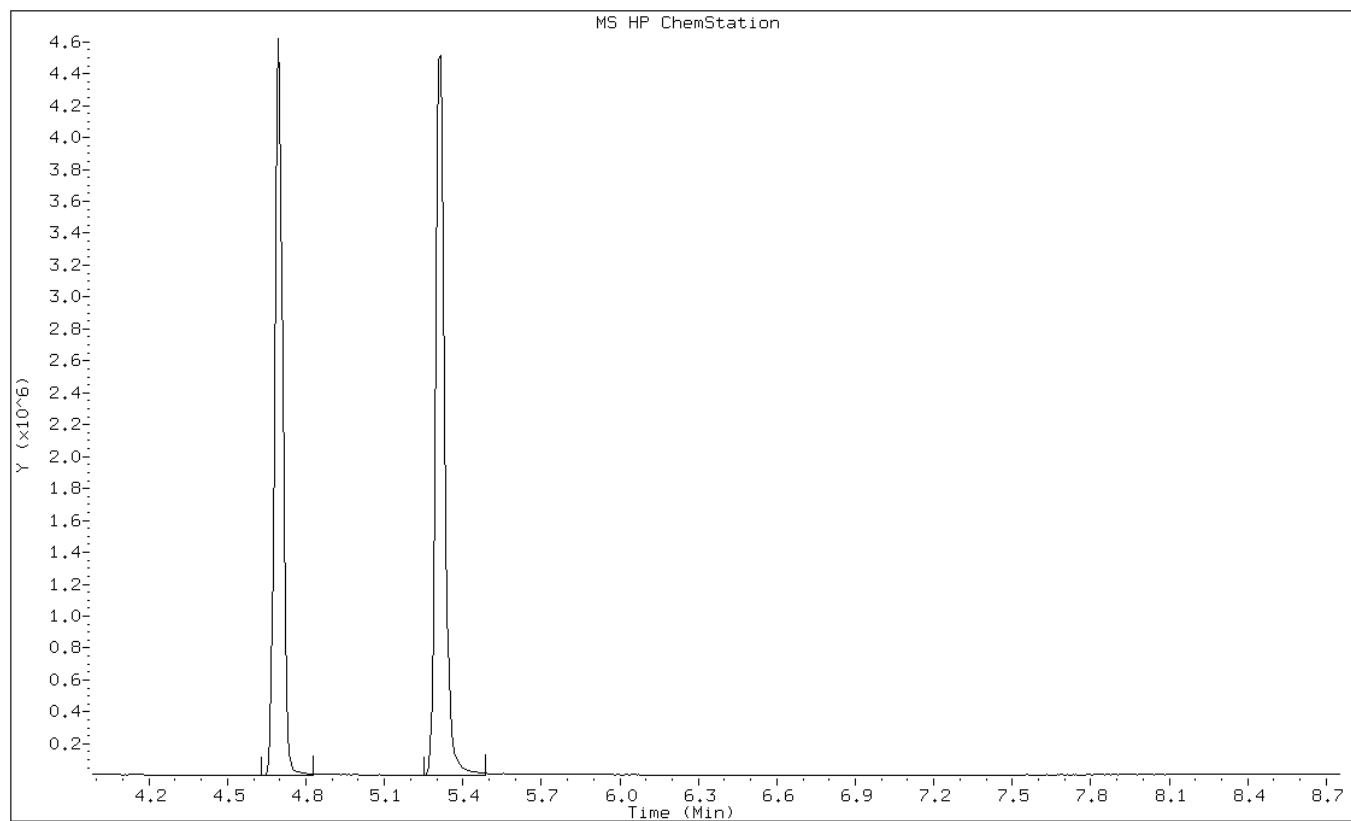
Date: 03-APR-2013 14:22
 Instrument: B.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)

Data File: /chem/B.i/Bsvr.p/bkyto15.b/bky01.d
 Spectrum: Avg. Scans 249-251 (5.31), Background Scan 237
 Location of Maximum: 174.00
 Number of points: 117

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2539	71.00	191	112.00	260	146.00	1275
37.00	14527	72.00	2715	113.00	450	147.00	641
38.00	13490	73.00	23832	115.00	604	148.00	1907
39.00	5948	74.00	98152	116.00	2074	149.00	548
41.00	38	75.00	317248	117.00	3969	150.00	820
43.00	157	76.00	27304	118.00	1989	151.00	53
44.00	1392	77.00	3942	119.00	3092	152.00	404
45.00	3399	78.00	2826	120.00	186	153.00	815
46.00	329	79.00	10578	122.00	200	154.00	550
47.00	5556	80.00	4021	123.00	215	155.00	2330
48.00	1882	81.00	11194	124.00	485	156.00	421
49.00	15374	82.00	3173	125.00	204	157.00	1521
50.00	85280	83.00	251	126.00	354	158.00	193
51.00	26176	86.00	843	127.00	182	159.00	848
52.00	1066	87.00	34240	128.00	2762	160.00	38
55.00	886	88.00	33704	129.00	1171	161.00	896
56.00	5954	91.00	1859	130.00	3150	170.00	199
57.00	12265	92.00	18496	131.00	1187	172.00	700
58.00	564	93.00	30232	132.00	151	174.00	1054208
59.00	104	94.00	85888	134.00	140	175.00	74168
60.00	3763	95.00	882816	135.00	1134	176.00	1035392
61.00	20080	96.00	58816	136.00	189	177.00	67304
62.00	21672	97.00	1675	137.00	1128	178.00	1766
63.00	16984	103.00	227	139.00	226	190.00	43
64.00	1534	104.00	2370	140.00	403	191.00	34
65.00	255	105.00	896	141.00	5707	207.00	144
67.00	1197	106.00	2401	142.00	716	208.00	82
68.00	59624	107.00	688	143.00	5521		
69.00	57424	110.00	228	144.00	290		
70.00	4172	111.00	436	145.00	552		

Data File: bky01.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 03-APR-2013 14:22
Instrument: B.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



TestAmerica Burlington

Data file : /chem/B.i/Bsvr.p/bkyjto15.b/bkyj01.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 13-APR-2013 13:41
Operator : pad Inst ID: B.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/B.i/Bsvr.p/bkyjto15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
Cal Date : 23-JUL-2003 17:23 Cal File: ai0005i4.d
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

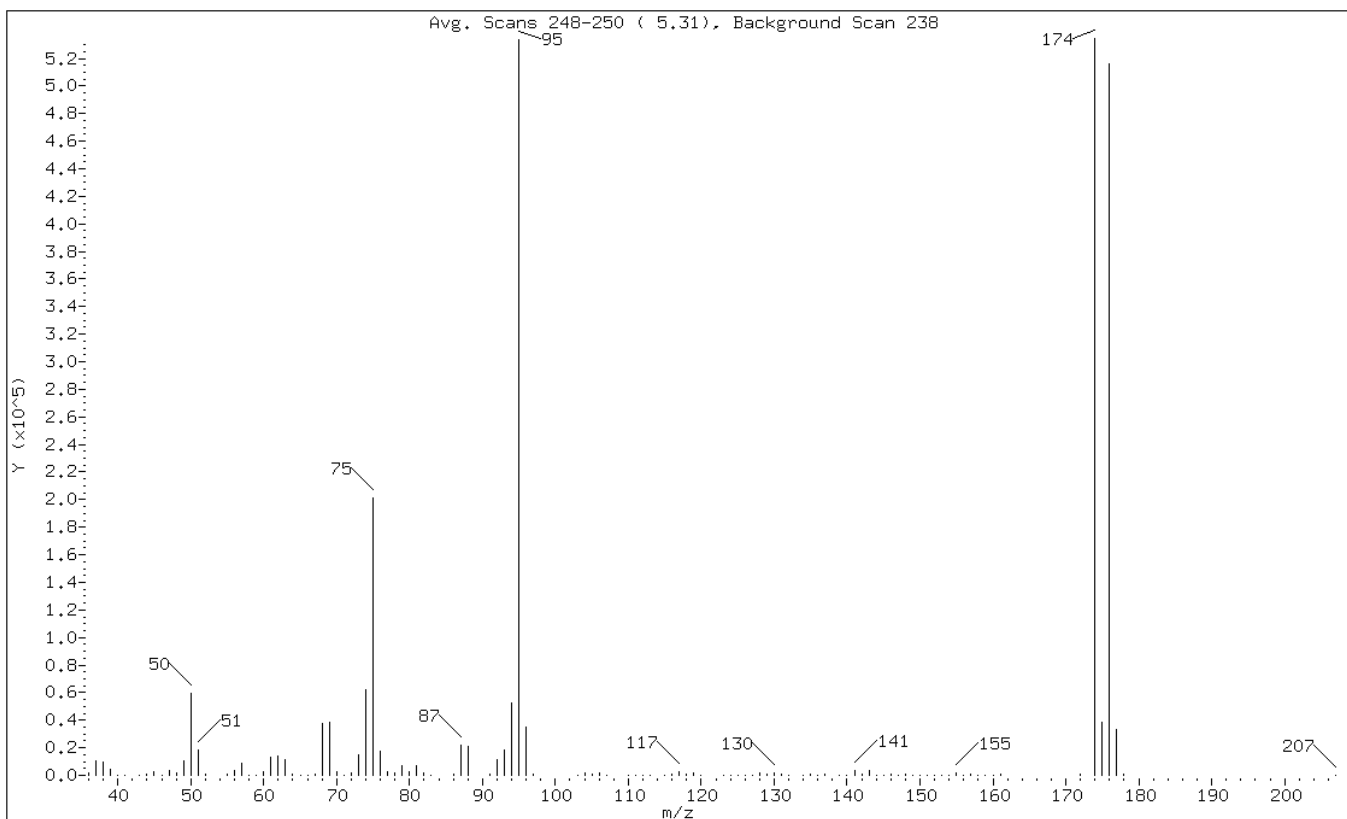
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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				
5.309	5.670	-0.361	95	533397			100.00- 100.00	99.80	
5.309	5.670	-0.361	50	59248			8.00- 40.00	11.11	
5.309	5.670	-0.361	75	201514			30.00- 66.00	37.78	
5.309	5.670	-0.361	96	35320			5.00- 9.00	6.62	
5.309	5.670	-0.361	173	0			0.00- 2.00	0.00	
5.309	5.670	-0.361	174	534464			50.00- 120.00	100.20	
5.309	5.670	-0.361	175	38416			4.00- 9.00	7.19	
5.309	5.670	-0.361	176	515946			93.00- 101.00	96.54	
5.309	5.670	-0.361	177	33466			5.00- 9.00	6.49	

Data File: bkyj01.d
 Client ID: BFB
 Operator: pad
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB
 1 bfb

Date: 13-APR-2013 13:41
 Instrument: B.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	11.11
75	30.00 - 66.00% of mass 95	37.78
96	5.00 - 9.00% of mass 95	6.62
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	100.20
175	4.00 - 9.00% of mass 174	7.20 (7.19)
176	93.00 - 101.00% of mass 174	96.73 (96.54)
177	5.00 - 9.00% of mass 176	6.27 (6.49)

Data File: bkyj01.d
 Client ID: BFB
 Operator: pad
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB

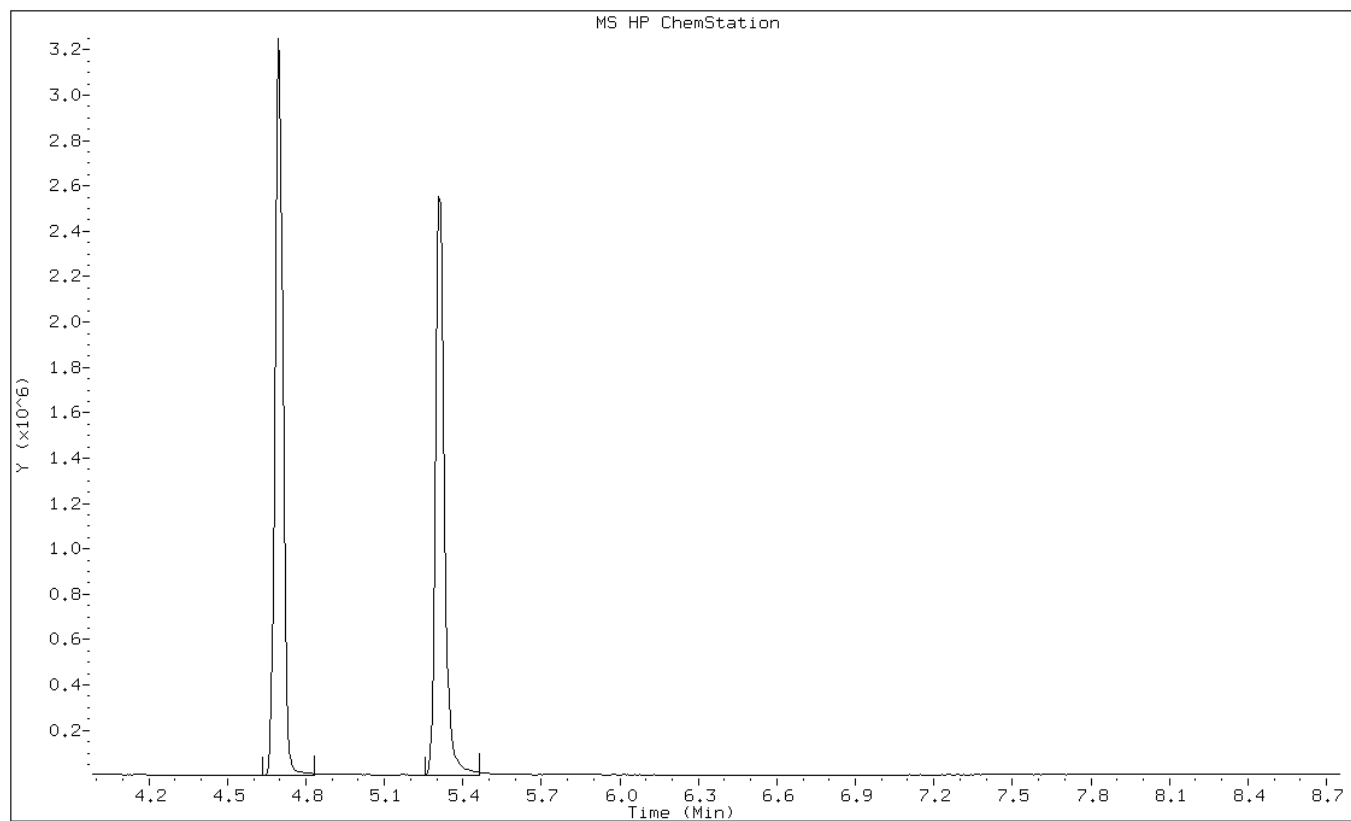
Date: 13-APR-2013 13:41
 Instrument: B.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)

Data File: /chem/B.i/Bsvr.p/bkyjto15.b/bkyj01.d
 Spectrum: Avg. Scans 248-250 (5.31), Background Scan 238
 Location of Maximum: 174.00
 Number of points: 114

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1728	68.00	38040	106.00	1445	142.00	504
37.00	10156	69.00	38528	107.00	426	143.00	3497
38.00	9303	70.00	3015	110.00	127	144.00	183
39.00	4191	71.00	141	111.00	269	145.00	405
40.00	167	72.00	1687	112.00	86	146.00	732
41.00	35	73.00	15218	113.00	325	147.00	364
43.00	97	74.00	61816	115.00	432	148.00	1206
44.00	951	75.00	201472	116.00	1303	149.00	404
45.00	2524	76.00	17456	117.00	2523	150.00	428
46.00	45	77.00	2556	118.00	1253	151.00	43
47.00	3802	78.00	1843	119.00	2027	152.00	254
48.00	1355	79.00	7155	120.00	46	153.00	398
49.00	10816	80.00	2782	123.00	72	154.00	312
50.00	59248	81.00	6884	124.00	263	155.00	1455
51.00	18112	82.00	2107	125.00	111	156.00	188
52.00	799	83.00	213	126.00	142	157.00	700
55.00	785	86.00	482	127.00	151	158.00	110
56.00	3894	87.00	22120	128.00	1647	159.00	417
57.00	8501	88.00	21112	129.00	690	160.00	33
58.00	330	91.00	1154	130.00	1653	161.00	468
59.00	45	92.00	11089	131.00	777	172.00	713
60.00	2492	93.00	18424	132.00	87	174.00	534464
61.00	12955	94.00	52080	134.00	88	175.00	38416
62.00	14382	95.00	533376	135.00	766	176.00	515904
63.00	11327	96.00	35320	136.00	193	177.00	33464
64.00	1093	97.00	1081	137.00	653	178.00	963
65.00	280	103.00	142	139.00	160	207.00	228
66.00	34	104.00	1462	140.00	281		
67.00	892	105.00	610	141.00	3565		

Data File: bkyj01.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 13-APR-2013 13:41
Instrument: B.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



TestAmerica Burlington

Data file : /chem/G.i/Gsvr.p/giato15.b/gia01.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 23-MAR-2013 14:52
Operator : BL Inst ID: G.i
Smp Info : BFB
Misc Info : bfb
Comment :
Method : /chem/G.i/Gsvr.p/giato15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:23 jd1 Quant Type: ESTD
Cal Date : 23-JUL-2003 17:23 Cal File: ai0005i4.d
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

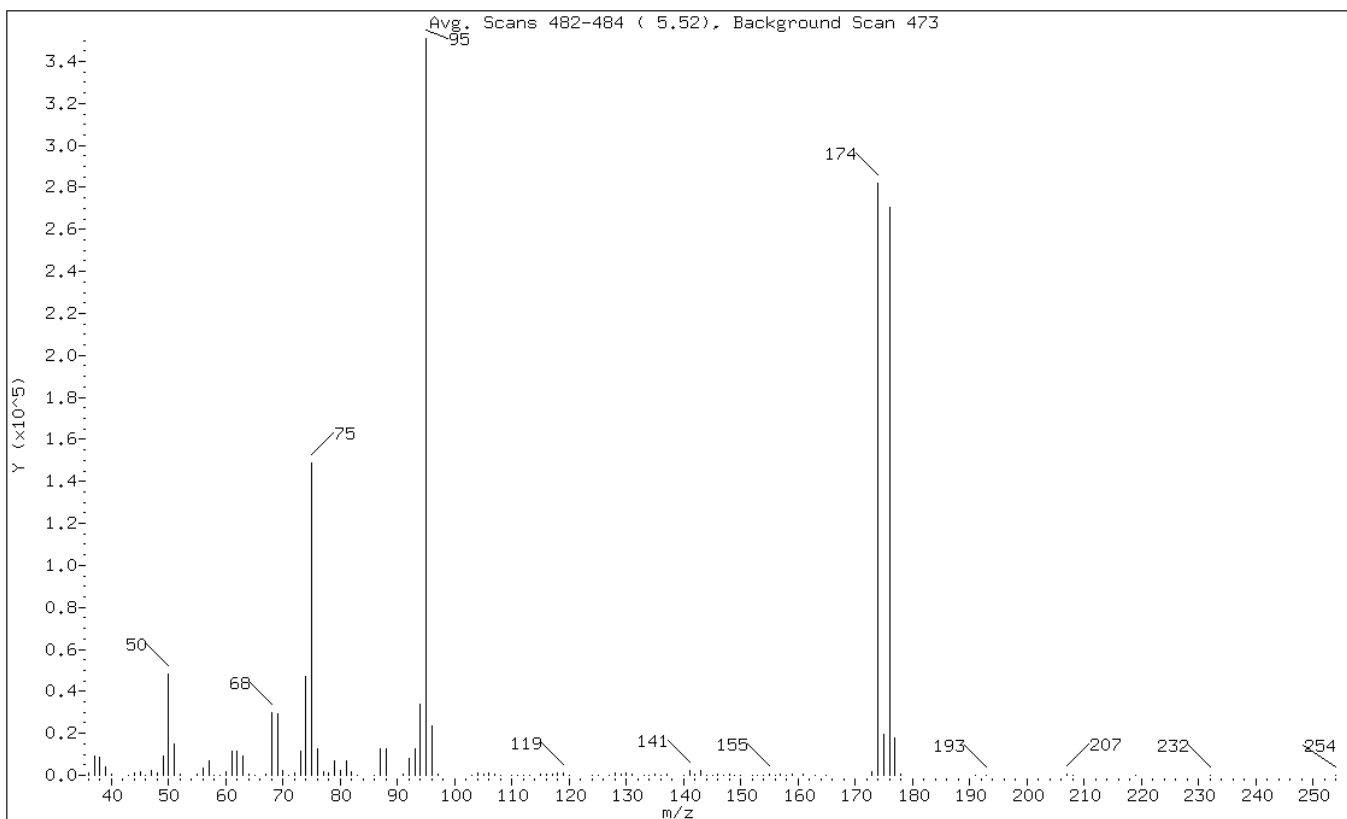
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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									
5.515	5.900	-0.385	95	350933			100.00- 100.00	100.00	
5.515	5.900	-0.385	50	48389			8.00- 40.00	13.79	
5.515	5.900	-0.385	75	148725			30.00- 66.00	42.38	
5.515	5.900	-0.385	96	23692			5.00- 9.00	6.75	
5.515	5.900	-0.385	173	1680			0.00- 2.00	0.60	
5.515	5.900	-0.385	174	282218			50.00- 120.00	80.42	
5.515	5.900	-0.385	175	19570			4.00- 9.00	6.93	
5.515	5.900	-0.385	176	270592			93.00- 101.00	95.88	
5.515	5.900	-0.385	177	17554			5.00- 9.00	6.49	

Data File: gia01.d
 Client ID: BFB
 Operator: BL
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB
 1 bfb

Date: 23-MAR-2013 14:52
 Instrument: G.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	13.79
75	30.00 - 66.00% of mass 95	42.38
96	5.00 - 9.00% of mass 95	6.75
173	Less than 2.00% of mass 174	0.48 (0.60)
174	50.00 - 120.00% of mass 95	80.42
175	4.00 - 9.00% of mass 174	5.58 (6.93)
176	93.00 - 101.00% of mass 174	77.11 (95.88)
177	5.00 - 9.00% of mass 176	5.00 (6.49)

Data File: gia01.d
 Client ID: BFB
 Operator: BL
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB

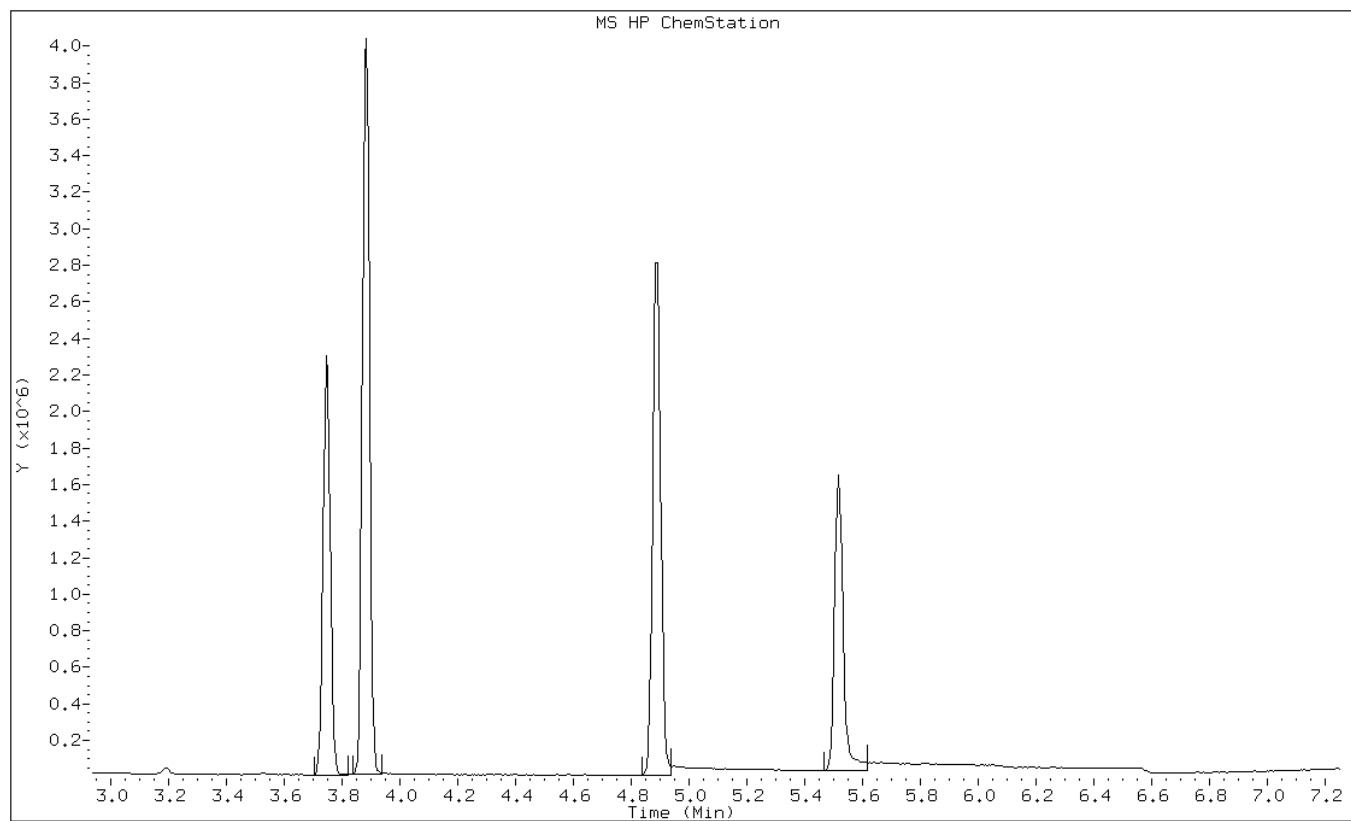
Date: 23-MAR-2013 14:52
 Instrument: G.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)

Data File: /chem/G.i/Gsvr.p/giato15.b/gia01.d
 Spectrum: Avg. Scans 482-484 (5.52), Background Scan 473
 Location of Maximum: 95.00
 Number of points: 116

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1427	71.00	75	111.00	245	149.00	150
37.00	9443	72.00	1170	112.00	73	150.00	239
38.00	8746	73.00	11278	113.00	190	152.00	111
39.00	3771	74.00	46976	115.00	419	153.00	227
40.00	460	75.00	148672	116.00	689	154.00	211
43.00	51	76.00	12350	117.00	663	155.00	835
44.00	1122	77.00	1620	118.00	1188	156.00	175
45.00	1766	78.00	1047	119.00	1189	157.00	518
46.00	188	79.00	6641	120.00	97	158.00	66
47.00	2163	80.00	2173	124.00	164	159.00	297
48.00	1186	81.00	7030	125.00	165	161.00	411
49.00	9433	82.00	1459	127.00	40	163.00	108
50.00	48384	83.00	61	128.00	1292	165.00	64
51.00	15210	86.00	212	129.00	617	173.00	1680
52.00	597	87.00	12891	130.00	1066	174.00	282176
55.00	761	88.00	12722	131.00	483	175.00	19568
56.00	3521	91.00	850	133.00	224	176.00	270592
57.00	7170	92.00	8016	134.00	54	177.00	17552
58.00	110	93.00	12726	135.00	306	178.00	298
59.00	141	94.00	34056	136.00	113	191.00	78
60.00	1925	95.00	350912	137.00	490	193.00	286
61.00	11407	96.00	23688	140.00	81	207.00	369
62.00	11350	97.00	823	141.00	2299	208.00	43
63.00	9272	103.00	255	142.00	353	219.00	65
64.00	855	104.00	1194	143.00	2125	232.00	76
65.00	124	105.00	536	144.00	150	254.00	130
67.00	728	106.00	1167	145.00	258		
68.00	30080	107.00	335	146.00	549		
69.00	29464	108.00	69	147.00	90		
70.00	2268	110.00	139	148.00	735		

Data File: gia01.d
Client ID: BFB
Operator: BL
Column Type: RTX-624
Stationary Phase: BFB
Sample Info: BFB
Lab Sample ID: BFB

Date: 23-MAR-2013 14:52
Instrument: G.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



TestAmerica Burlington

Data file : /chem/G.i/Gsvr.p/giaato15.b/giaa01.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 25-MAR-2013 10:54
Operator : BL Inst ID: G.i
Smp Info : BFB
Misc Info : bfb
Comment :
Method : /chem/G.i/Gsvr.p/giaato15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:23 jd1 Quant Type: ESTD
Cal Date : 23-JUL-2003 17:23 Cal File: ai0005i4.d
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

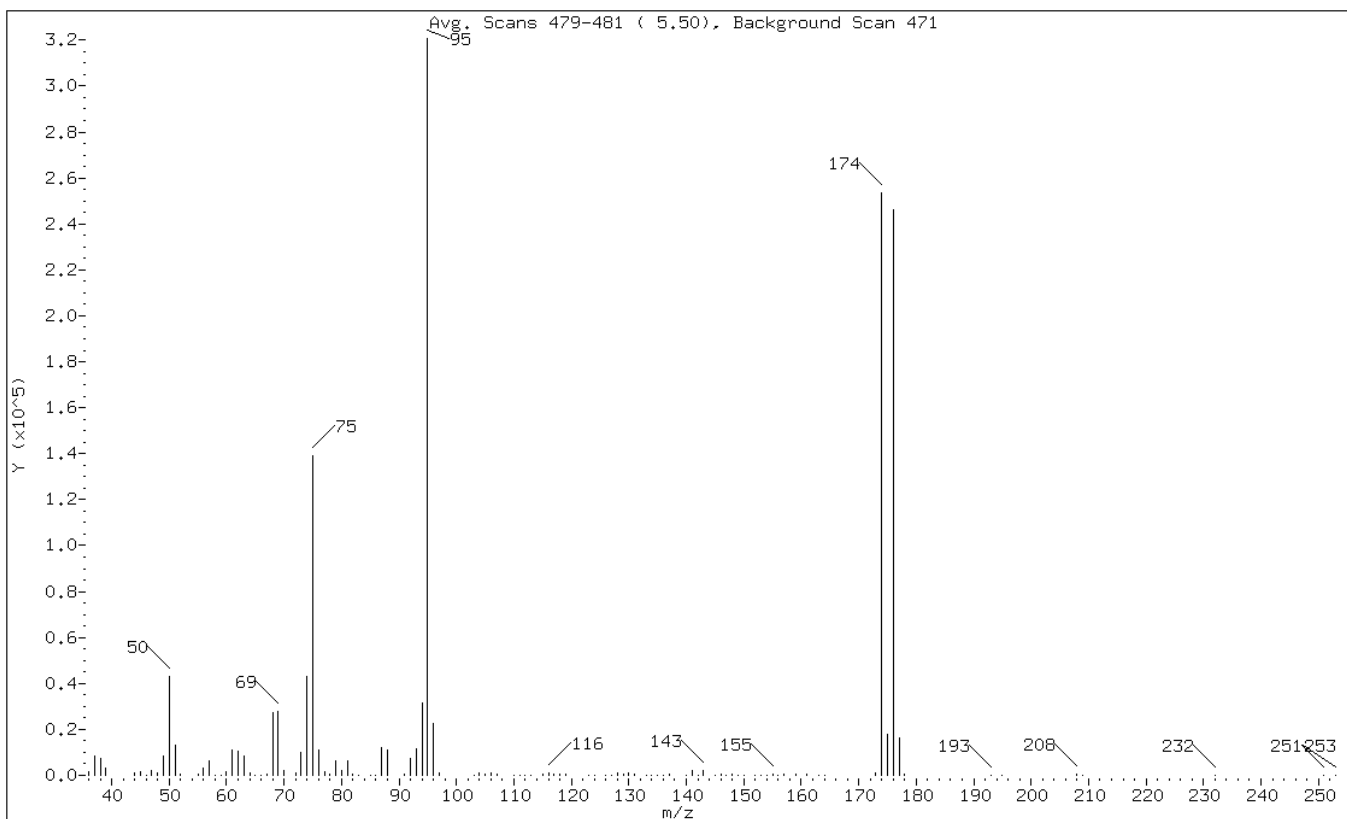
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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									
5.499	5.900	-0.401	95	320725			100.00- 100.00	100.00	
5.499	5.900	-0.401	50	43103			8.00- 40.00	13.44	
5.499	5.900	-0.401	75	139207			30.00- 66.00	43.40	
5.499	5.900	-0.401	96	22817			5.00- 9.00	7.11	
5.499	5.900	-0.401	173	1236			0.00- 2.00	0.49	
5.499	5.900	-0.401	174	253312			50.00- 120.00	78.98	
5.499	5.900	-0.401	175	17810			4.00- 9.00	7.03	
5.499	5.900	-0.401	176	246101			93.00- 101.00	97.15	
5.499	5.900	-0.401	177	16405			5.00- 9.00	6.67	

Data File: giaa01.d
 Client ID: BFB
 Operator: BL
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB
 1 bfb

Date: 25-MAR-2013 10:54
 Instrument: G.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	13.44
75	30.00 - 66.00% of mass 95	43.40
96	5.00 - 9.00% of mass 95	7.11
173	Less than 2.00% of mass 174	0.39 (0.49)
174	50.00 - 120.00% of mass 95	78.98
175	4.00 - 9.00% of mass 174	5.55 (7.03)
176	93.00 - 101.00% of mass 174	76.73 (97.15)
177	5.00 - 9.00% of mass 176	5.11 (6.67)

Data File: giaa01.d
 Client ID: BFB
 Operator: BL
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB

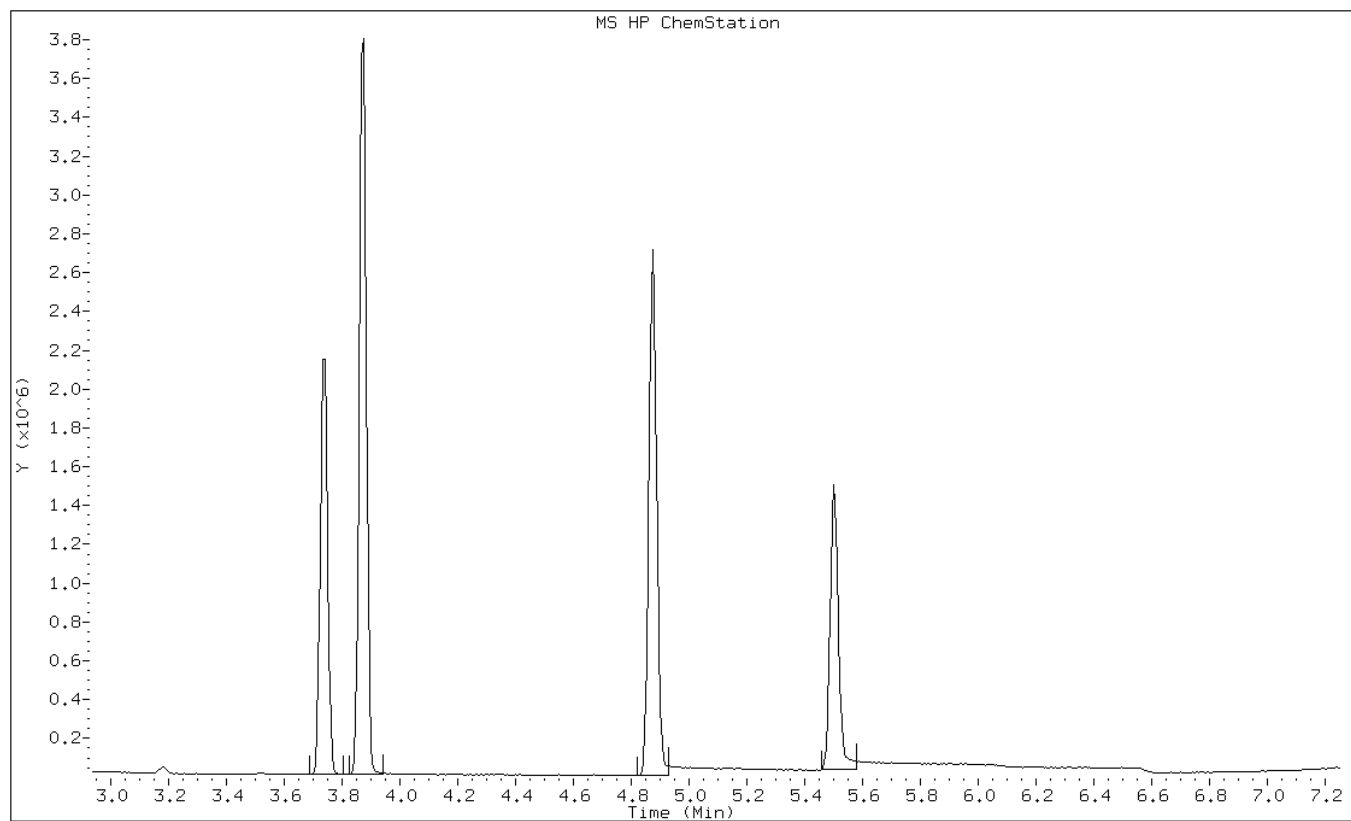
Date: 25-MAR-2013 10:54
 Instrument: G.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)

Data File: /chem/G.i/Gsvr.p/giaato15.b/giaa01.d
 Spectrum: Avg. Scans 479-481 (5.50), Background Scan 471
 Location of Maximum: 95.00
 Number of points: 112

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1561	72.00	1075	111.00	121	149.00	223
37.00	8418	73.00	9916	112.00	93	150.00	250
38.00	7382	74.00	42912	113.00	50	152.00	182
39.00	3092	75.00	139200	115.00	377	153.00	192
44.00	853	76.00	11147	116.00	939	154.00	138
45.00	1675	77.00	1497	117.00	348	155.00	754
46.00	65	78.00	417	118.00	758	156.00	75
47.00	1963	79.00	6055	119.00	761	157.00	617
48.00	1054	80.00	2082	123.00	68	159.00	350
49.00	8211	81.00	6049	124.00	163	161.00	435
50.00	43096	82.00	664	126.00	57	163.00	108
51.00	13220	83.00	132	127.00	54	164.00	61
52.00	596	85.00	63	128.00	1104	173.00	1236
55.00	393	86.00	224	129.00	502	174.00	253312
56.00	3028	87.00	12173	130.00	991	175.00	17808
57.00	6307	88.00	11136	131.00	432	176.00	246080
58.00	219	91.00	606	133.00	204	177.00	16400
59.00	71	92.00	7492	134.00	118	178.00	586
60.00	1790	93.00	11413	135.00	256	193.00	132
61.00	10872	94.00	31616	136.00	68	195.00	55
62.00	10527	95.00	320704	137.00	503	208.00	293
63.00	8276	96.00	22816	140.00	218	209.00	54
64.00	892	97.00	883	141.00	2033	232.00	219
65.00	51	103.00	66	142.00	121	251.00	57
66.00	78	104.00	1105	143.00	2154	253.00	231
67.00	591	105.00	447	145.00	202		
68.00	27192	106.00	1041	146.00	516		
69.00	27816	107.00	269	147.00	158		
70.00	2067	110.00	68	148.00	551		

Data File: giaa01.d
Client ID: BFB
Operator: BL
Column Type: RTX-624
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 25-MAR-2013 10:54
Instrument: G.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



TestAmerica Burlington

Data file : /chem/G.i/Gsvr.p/giaxto15.b/giax01.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 17-APR-2013 10:23
Operator : BL Inst ID: G.i
Smp Info : BFB
Misc Info : bfb
Comment :
Method : /chem/G.i/Gsvr.p/giaxto15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:23 jd1 Quant Type: ESTD
Cal Date : 23-JUL-2003 17:23 Cal File: ai0005i4.d
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

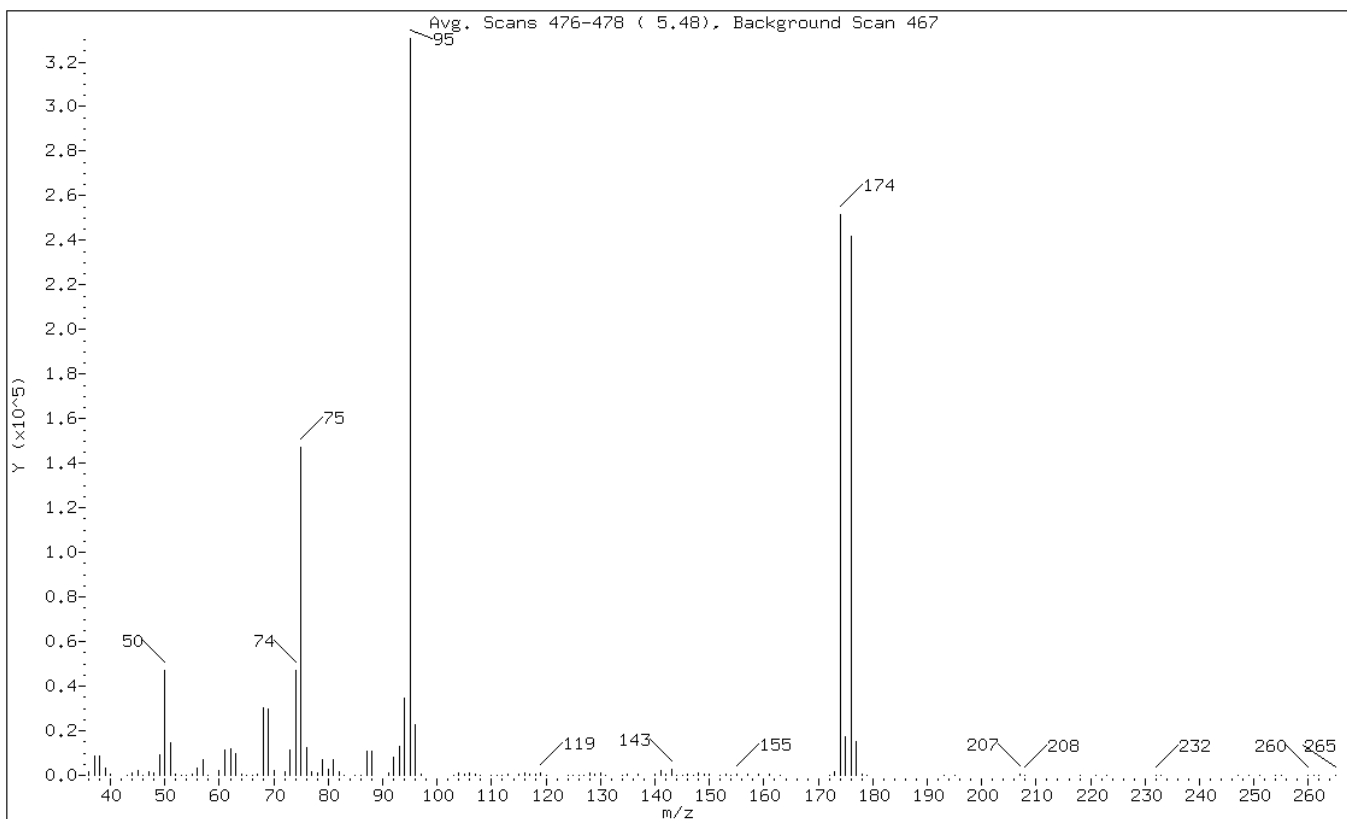
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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									
5.483	5.900	-0.417	95	330560			100.00- 100.00	100.00	
5.483	5.900	-0.417	50	47187			8.00- 40.00	14.27	
5.483	5.900	-0.417	75	147280			30.00- 66.00	44.55	
5.483	5.900	-0.417	96	22780			5.00- 9.00	6.89	
5.483	5.900	-0.417	173	1440			0.00- 2.00	0.57	
5.483	5.900	-0.417	174	251669			50.00- 120.00	76.13	
5.483	5.900	-0.417	175	17478			4.00- 9.00	6.94	
5.483	5.900	-0.417	176	241770			93.00- 101.00	96.07	
5.483	5.900	-0.417	177	15154			5.00- 9.00	6.27	

Data File: g1ax01.d
 Client ID: BFB
 Operator: BL
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB
 1 bfb

Date: 17-APR-2013 10:23
 Instrument: G.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	14.27
75	30.00 - 66.00% of mass 95	44.55
96	5.00 - 9.00% of mass 95	6.89
173	Less than 2.00% of mass 174	0.44 (0.57)
174	50.00 - 120.00% of mass 95	76.13
175	4.00 - 9.00% of mass 174	5.29 (6.94)
176	93.00 - 101.00% of mass 174	73.14 (96.07)
177	5.00 - 9.00% of mass 176	4.58 (6.27)

Data File: giax01.d
 Client ID: BFB
 Operator: BL
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB

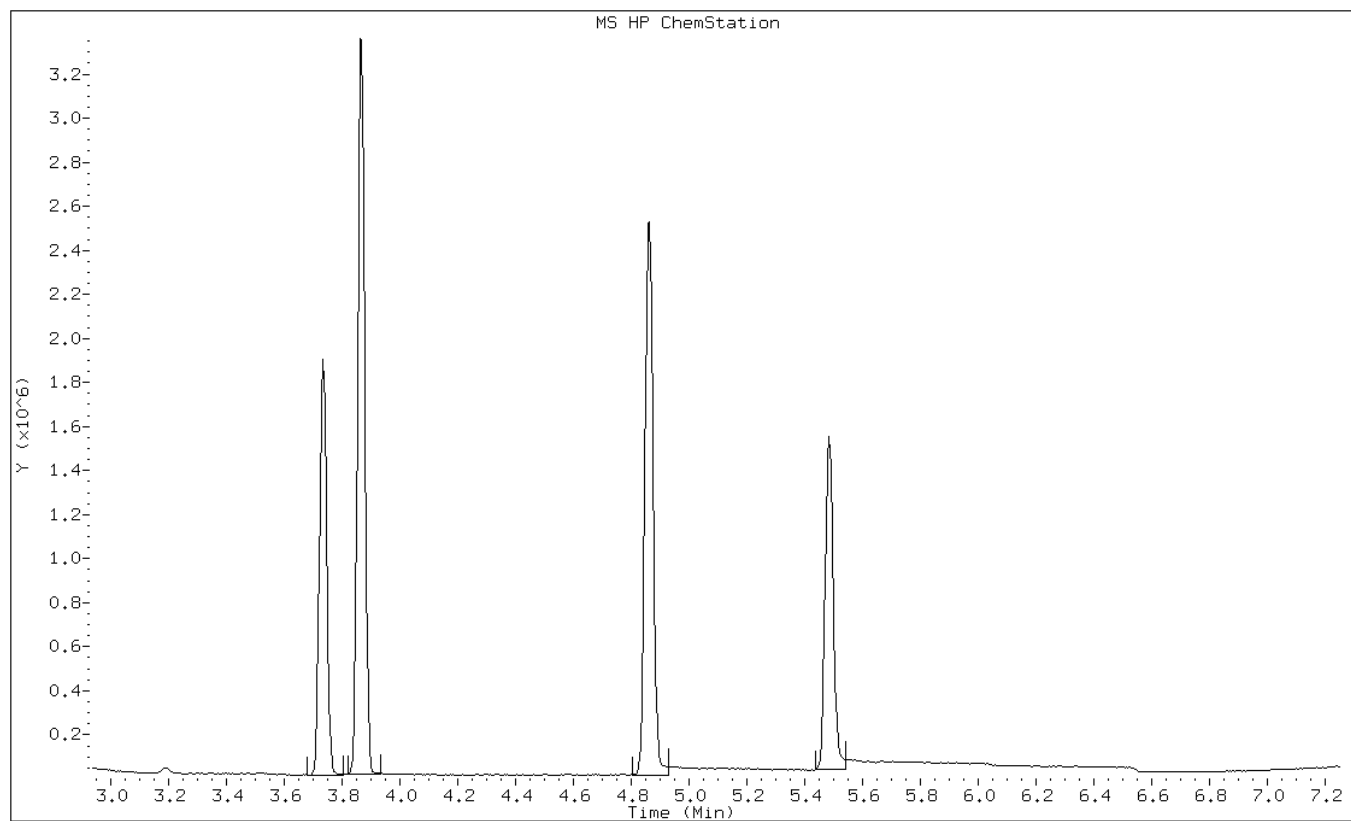
Date: 17-APR-2013 10:23
 Instrument: G.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)

Data File: /chem/G.i/Gsvr.p/giaxto15.b/giax01.d
 Spectrum: Avg. Scans 476-478 (5.48), Background Scan 467
 Location of Maximum: 95.00
 Number of points: 127

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1634	72.00	1380	113.00	290	155.00	754
37.00	8792	73.00	11450	115.00	310	157.00	604
38.00	8698	74.00	47096	116.00	845	159.00	381
39.00	3392	75.00	147264	117.00	279	161.00	431
40.00	341	76.00	12524	118.00	717	163.00	17
43.00	134	77.00	1427	119.00	1210	172.00	106
44.00	1074	78.00	900	120.00	50	173.00	1440
45.00	2045	79.00	6914	124.00	146	174.00	251648
46.00	53	80.00	2443	125.00	204	175.00	17472
47.00	1758	81.00	6921	126.00	244	176.00	241728
48.00	1289	82.00	1385	127.00	92	177.00	15154
49.00	9078	83.00	82	128.00	1181	178.00	555
50.00	47184	85.00	50	129.00	554	179.00	39
51.00	14363	86.00	113	130.00	1016	193.00	31
52.00	336	87.00	11071	131.00	243	195.00	141
53.00	57	88.00	10753	134.00	142	207.00	567
54.00	37	91.00	1085	135.00	456	208.00	211
55.00	755	92.00	8258	137.00	449	218.00	205
56.00	3335	93.00	12936	140.00	278	221.00	51
57.00	6861	94.00	34456	141.00	2181	223.00	59
58.00	255	95.00	330560	142.00	321	232.00	147
60.00	2121	96.00	22776	143.00	2555	233.00	56
61.00	11326	97.00	768	144.00	101	247.00	71
62.00	11696	103.00	137	145.00	240	249.00	97
63.00	9531	104.00	1318	146.00	511	251.00	87
64.00	716	105.00	329	147.00	41	254.00	2
65.00	170	106.00	1197	148.00	829	255.00	138
66.00	124	107.00	379	149.00	402	260.00	213
67.00	597	108.00	33	150.00	308	261.00	81
68.00	30144	110.00	205	152.00	50	262.00	78
69.00	29744	111.00	137	153.00	304	265.00	54
70.00	2069	112.00	63	154.00	248		

Data File: gfax01.d
Client ID: BFB
Operator: BL
Column Type: RTX-624
Stationary Phase: BFB
Sample Info: BFB
Lab Sample ID: BFB

Date: 17-APR-2013 10:23
Instrument: G.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.: 480-35521-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-54299/4

Matrix: Air Lab File ID: bkyj04.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 04/13/2013 16:13

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.: 54299 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

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-54299/4
 Matrix: Air Lab File ID: bkyj04.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 04/13/2013 16:13
 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.: 54299 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	0.20
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.: 480-35521-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-54299/4

Matrix: Air Lab File ID: bkyj04.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 04/13/2013 16:13

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.: 54299 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

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-54299/4
 Matrix: Air Lab File ID: bkyj04.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 04/13/2013 16:13
 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.: 54299 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.92
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/B.i/Bsvr.p/bkyjto15.b/bkyj04.d
Lab Smp Id: mb
Inj Date : 13-APR-2013 16:13
Operator : pad
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/B.i/Bsvr.p/bkyjto15.b/to15v5.m
Meth Date : 13-Apr-2013 16:01 pd
Cal Date : 03-APR-2013 16:04
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: B.i
Quant Type: ISTD
Cal File: bky03.d
QC Sample: BLANK
Compound Sublist: allT015.sub

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	6.055	5.938	(0.666)		7917		0.17114	0.17(aQ)
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	6.712	6.701	(0.738)		3264		0.08449	0.084(a)
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	9.097	9.097	(1.000)		550381		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						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	10.506	10.512	(1.000)		2666595		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.		

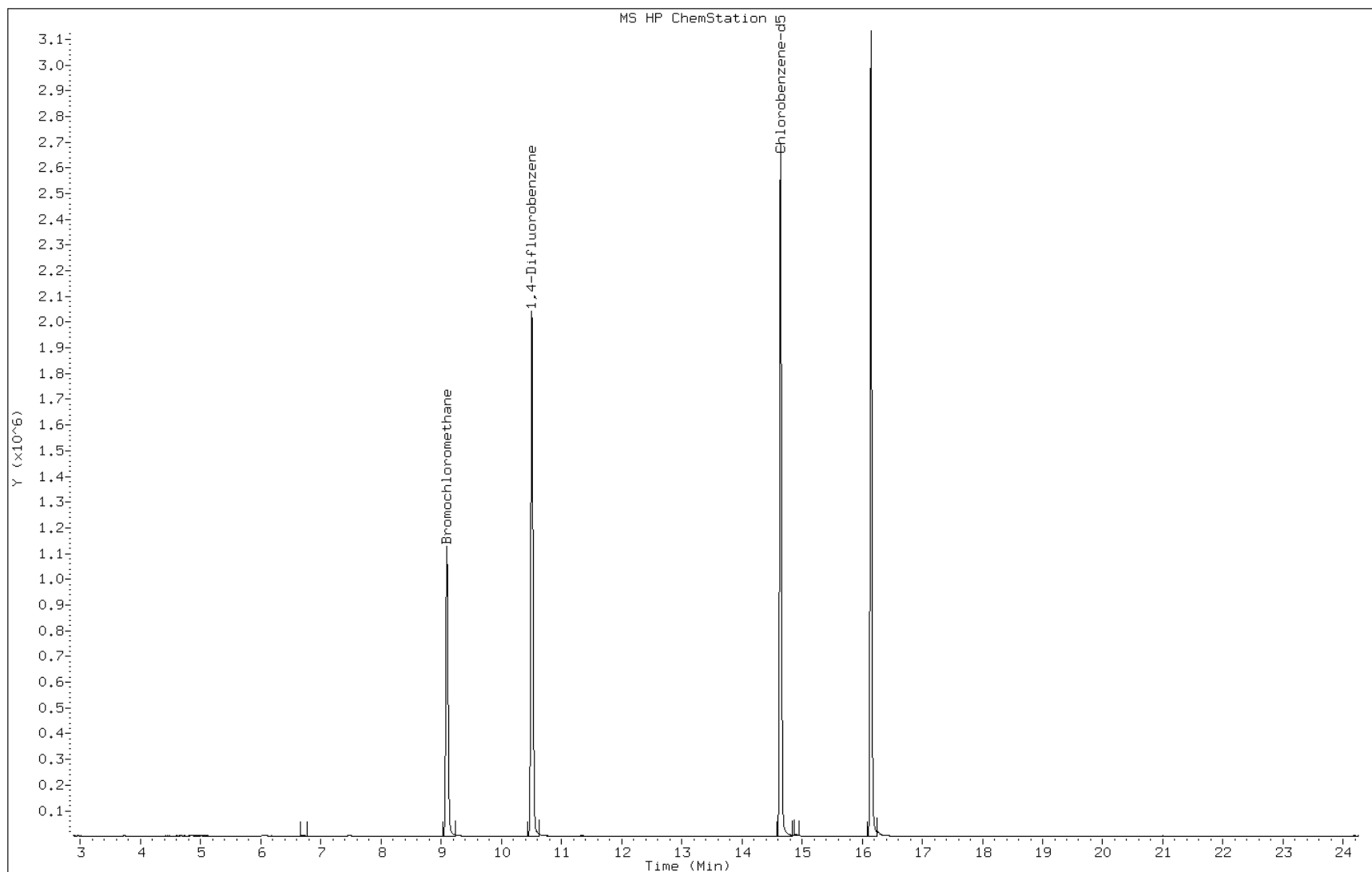
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43				Compound Not Detected.		
63 Dibromochloromethane	129				Compound Not Detected.		
64 1,2-Dibromoethane	107				Compound Not Detected.		
* 65 Chlorobenzene-d5	117	14.642	14.648	(1.000)	2333369	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.

Data File: bkyj04.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 13-APR-2013 16:13
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-35521-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-54445/4

Matrix: Air Lab File ID: giar04.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 04/17/2013 13:14

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.: 54445 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

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-54445/4
 Matrix: Air Lab File ID: giax04.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 04/17/2013 13:14
 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.: 54445 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	0.20
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.: 480-35521-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-54445/4

Matrix: Air Lab File ID: giar04.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 04/17/2013 13:14

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.: 54445 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

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-54445/4
 Matrix: Air Lab File ID: giax04.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 04/17/2013 13:14
 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.: 54445 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.92
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/G.i/Gsvr.p/giaxto15.b/giax04.d
Lab Smp Id: mb
Inj Date : 17-APR-2013 13:14
Operator : BL
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/G.i/Gsvr.p/giaxto15.b/to15v5.m
Meth Date : 18-Apr-2013 10:45 lyonsb
Cal Date : 24-MAR-2013 14:13
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: G.i
Quant Type: ISTD
Cal File: gia20.d
QC Sample: BLANK
Compound Sublist: allT015.sub

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	10.164	10.196	(1.000)		248247		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						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	12.192	12.224	(1.000)		1697600		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	15.401	15.434	(0.840)		1760		0.02758	0.028(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.		

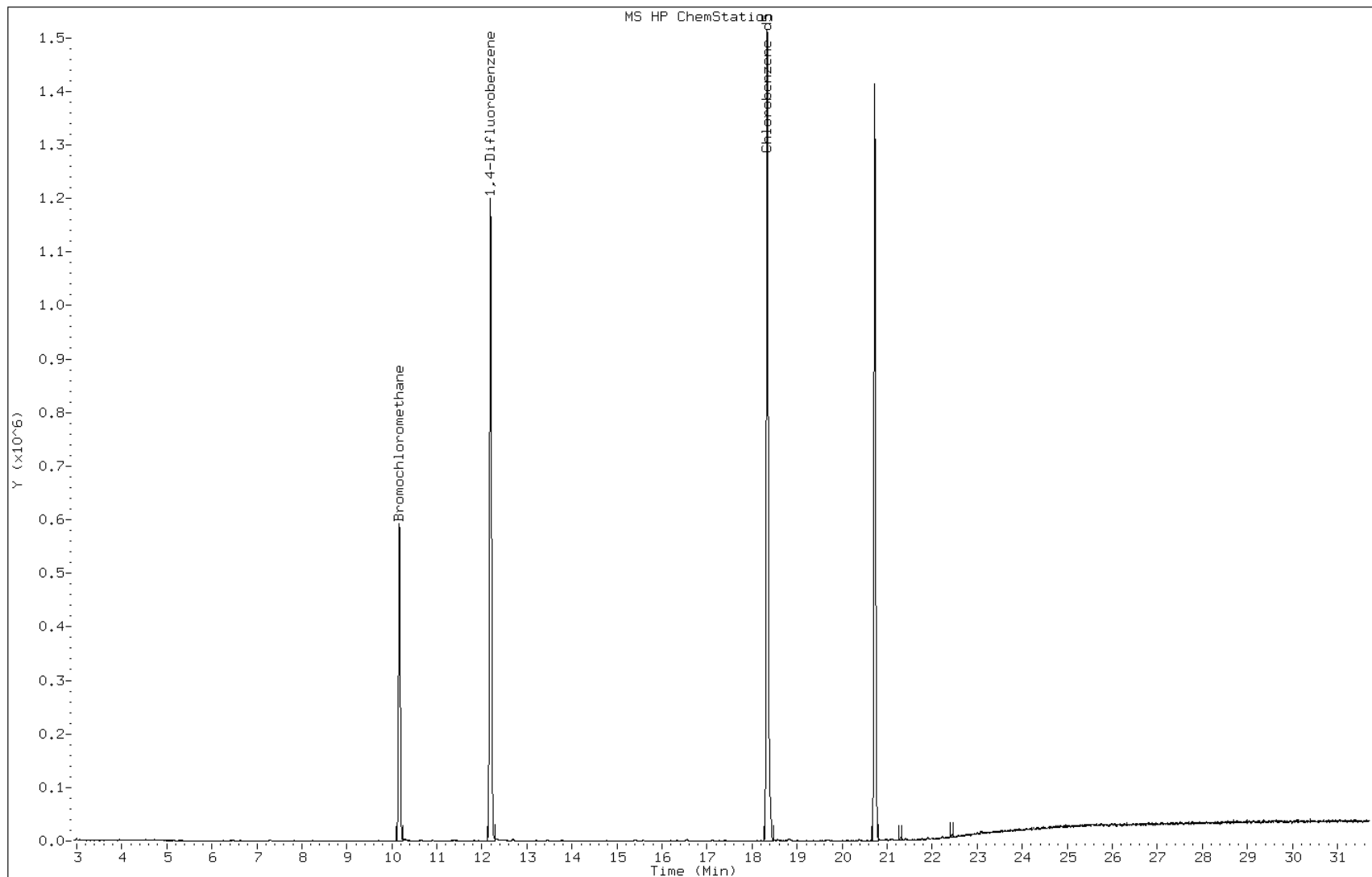
Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
62 2-Hexanone	43						Compound Not Detected.		
63 Dibromochloromethane	129						Compound Not Detected.		
64 1,2-Dibromoethane	107						Compound Not Detected.		
* 65 Chlorobenzene-d5	117	18.333	18.360	(1.000)		1679489		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).

Data File: giax04.d
Client ID:
Operator: BL
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 17-APR-2013 13:14
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-35521-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-54299/3

Matrix: Air Lab File ID: bkyj03.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 04/13/2013 15:20

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.: 54299 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	9.52		0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	9.52		0.20	0.20
74-87-3	Chloromethane	50.49	9.35		0.50	0.50
75-01-4	Vinyl chloride	62.50	9.78		0.20	0.20
106-99-0	1,3-Butadiene	54.09	10.2		0.20	0.20
74-83-9	Bromomethane	94.94	9.25		0.20	0.20
75-00-3	Chloroethane	64.52	9.46		0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	106.96	9.95		0.20	0.20
75-69-4	Trichlorofluoromethane	137.37	9.71		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	11.1		0.20	0.20
67-64-1	Acetone	58.08	10.4		5.0	5.0
67-63-0	Isopropyl alcohol	60.10	8.88		5.0	5.0
75-15-0	Carbon disulfide	76.14	10.3		0.50	0.50
107-05-1	3-Chloropropene	76.53	10.2		0.50	0.50
75-09-2	Methylene Chloride	84.93	10.4		0.50	0.50
75-65-0	tert-Butyl alcohol	74.12	9.00		5.0	5.0
1634-04-4	Methyl tert-butyl ether	88.15	10.4		0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	10.2		0.20	0.20
110-54-3	n-Hexane	86.17	10.2		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	9.63		0.50	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	10.5		0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	20.6		0.20	0.20
67-66-3	Chloroform	119.38	10.1		0.20	0.20
109-99-9	Tetrahydrofuran	72.11	10.1		5.0	5.0
71-55-6	1,1,1-Trichloroethane	133.41	10.0		0.20	0.20
110-82-7	Cyclohexane	84.16	10.3		0.20	0.20
56-23-5	Carbon tetrachloride	153.81	9.80		0.20	0.20
540-84-1	2,2,4-Trimethylpentane	114.23	10.6		0.20	0.20
71-43-2	Benzene	78.11	10.0		0.20	0.20
107-06-2	1,2-Dichloroethane	98.96	10.1		0.20	0.20
142-82-5	n-Heptane	100.21	10.3		0.20	0.20
79-01-6	Trichloroethene	131.39	9.87		0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-54299/3
 Matrix: Air Lab File ID: bkyj03.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 04/13/2013 15:20
 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.: 54299 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	9.84		0.20	0.20
123-91-1	1,4-Dioxane	88.11	7.87		5.0	5.0
75-27-4	Bromodichloromethane	163.83	10.5		0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	10.3		0.20	0.20
108-10-1	methyl isobutyl ketone	100.16	10.8		0.50	0.50
108-88-3	Toluene	92.14	9.80		0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	10.1		0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	9.39		0.20	0.20
127-18-4	Tetrachloroethene	165.83	9.26		0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10.5		0.50	0.50
124-48-1	Dibromochloromethane	208.29	10.2		0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	9.72		0.20	0.20
108-90-7	Chlorobenzene	112.30	9.30		0.20	0.20
100-41-4	Ethylbenzene	106.17	9.70		0.20	0.20
179601-23-1	m,p-Xylene	106.17	19.4		0.50	0.50
95-47-6	Xylene, o-	106.17	9.80		0.20	0.20
1330-20-7	Xylene (total)	106.17	29.2		0.20	0.20
100-42-5	Styrene	104.15	10.2		0.20	0.20
75-25-2	Bromoform	252.75	10.2		0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.63		0.20	0.20
622-96-8	4-Ethyltoluene	120.20	10.3		0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	9.61		0.20	0.20
95-49-8	2-Chlorotoluene	126.59	9.91		0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	9.50		0.20	0.20
541-73-1	1,3-Dichlorobenzene	147.00	9.20		0.20	0.20
106-46-7	1,4-Dichlorobenzene	147.00	9.29		0.20	0.20
95-50-1	1,2-Dichlorobenzene	147.00	8.93		0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	8.05		0.50	0.50
87-68-3	Hexachlorobutadiene	260.76	8.47		0.20	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bkyjto15.b/bkyj03.d
Lab Smp Id: lcs 476353
Inj Date : 13-APR-2013 15:20
Operator : pad
Smp Info : lcs 476353
Misc Info : 200,1, lcs
Comment :
Method : /chem/B.i/Bsvr.p/bkyjto15.b/to15v5.m
Meth Date : 13-Apr-2013 16:01 pd
Cal Date : 03-APR-2013 16:04
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: B.i
Quant Type: ISTD
Cal File: bky03.d
QC Sample: LCS
Compound Sublist: allT015.sub

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	FINAL
							(ppb v/v)	(ppb v/v)
1 Propene		41	2.965	2.965	(0.326)	107143	9.11140	9.1
2 Dichlorodifluoromethane		85	3.013	3.013	(0.331)	859498	9.52499	9.5
3 Chlorodifluoromethane		51	3.045	3.045	(0.335)	300595	9.45223	9.5
4 1,2-Dichloro-1,1,2,2-tetraflu		85	3.200	3.200	(0.352)	891735	9.51501	9.5
5 Chloromethane		50	3.301	3.301	(0.363)	170046	9.34822	9.3
6 Butane		43	3.445	3.446	(0.379)	269293	9.22933	9.2
7 Vinyl chloride		62	3.477	3.478	(0.382)	263884	9.77670	9.8
8 1,3-Butadiene		54	3.531	3.531	(0.388)	183057	10.1554	10
9 Bromomethane		94	4.064	4.065	(0.447)	448817	9.24829	9.2
10 Chloroethane		64	4.257	4.257	(0.468)	205505	9.45624	9.5
11 2-Methylbutane		43	4.326	4.326	(0.476)	352239	9.38783	9.4
12 Vinyl bromide		106	4.620	4.620	(0.508)	556724	9.95212	10
13 Trichlorofluoromethane		101	4.710	4.710	(0.518)	1174696	9.71300	9.7
14 Pentane		43	4.844	4.844	(0.532)	585455	9.46890	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	5.212	5.212	(0.573)	222866	17.2390	17
16 Ethyl ether	59	5.319	5.319	(0.585)	286811	9.72252	9.7
17 1,1,2-Trichloro-1,2,2-trifluo	101	5.692	5.698	(0.626)	1057392	10.7458	11
18 Acrolein	56	5.660	5.660	(0.622)	135028	8.43090	8.4
19 1,1-Dichloroethene	96	5.756	5.756	(0.633)	526676	11.1211	11
20 Acetone	43	5.938	5.938	(0.653)	498414	10.3621	10
21 Carbon disulfide	76	6.167	6.167	(0.678)	1412612	10.2918	10
22 Isopropanol	45	6.221	6.215	(0.684)	354749	8.88357	8.9
23 Allyl chloride	41	6.445	6.445	(0.708)	392088	10.1610	10
24 Acetonitrile	41	6.519	6.520	(0.717)	262697	9.65115	9.7
25 Methylene chloride	49	6.701	6.701	(0.737)	417675	10.3983	10
26 Tert-butyl alcohol	59	6.925	6.925	(0.761)	588957	9.00458	9.0
27 Methyl tert-butyl ether	73	7.080	7.080	(0.778)	1232032	10.4431	10
28 1,2-Dichloroethene (trans)	61	7.106	7.101	(0.781)	608548	10.1790	10
29 Acrylonitrile	53	7.187	7.187	(0.790)	283901	10.1748	10
30 n-Hexane	57	7.432	7.432	(0.817)	672225	10.2452	10
31 1,1-Dichloroethane	63	7.832	7.833	(0.861)	765735	10.1239	10
32 Vinyl acetate	43	7.864	7.865	(0.864)	830345	10.1392	10
M 33 1,2-Dichloroethene,Total	61				1172930	20.6456	21
34 1,2-Dichloroethene (cis)	96	8.734	8.734	(0.960)	564382	10.4666	10
35 Ethyl acetate	88	8.777	8.772	(0.965)	45195	10.0021	10
36 Methyl Ethyl Ketone	72	8.745	8.745	(0.961)	240795	9.62788	9.6
* 37 Bromochloromethane	128	9.097	9.097	(1.000)	572254	10.0000	
38 Tetrahydrofuran	42	9.140	9.135	(0.870)	382823	10.0790	10
39 Chloroform	83	9.183	9.183	(1.009)	927625	10.0641	10
40 Cyclohexane	84	9.433	9.434	(0.897)	742104	10.3418	10
41 1,1,1-Trichloroethane	97	9.423	9.423	(0.896)	956282	10.0153	10
42 Carbon tetrachloride	117	9.626	9.626	(0.916)	1022672	9.80165	9.8
43 2,2,4-Trimethylpentane	57	9.919	9.925	(0.944)	2112349	10.5764	11
44 Benzene	78	9.951	9.951	(0.947)	1552852	10.0224	10
45 1,2-Dichloroethane	62	10.058	10.058	(0.957)	494832	10.0649	10
46 n-Heptane	43	10.186	10.186	(0.969)	643344	10.2879	10
* 47 1,4-Difluorobenzene	114	10.511	10.512	(1.000)	2725979	10.0000	
48 n-Butanol	56	10.821	10.821	(1.029)	173554	8.43403	8.4
49 Trichloroethene	95	10.869	10.875	(1.034)	689478	9.87189	9.9
50 1,2-Dichloropropane	63	11.232	11.232	(1.069)	503106	9.84150	9.8
51 Methyl methacrylate	69	11.312	11.312	(1.076)	516028	10.5056	11
52 Dibromomethane	174	11.424	11.424	(1.087)	699359	9.64077	9.6
53 1,4-Dioxane	88	11.419	11.414	(1.086)	204389	7.86809	7.9
54 Bromodichloromethane	83	11.600	11.600	(1.104)	1043651	10.4525	10
55 1,3-Dichloropropene (cis)	75	12.230	12.230	(1.163)	797820	10.3312	10
56 Methyl isobutyl ketone	43	12.417	12.417	(1.181)	781391	10.7564	11
57 n-Octane	43	12.668	12.668	(1.205)	880618	10.4037	10
58 Toluene	92	12.652	12.657	(0.864)	1204508	9.80270	9.8
59 1,3-Dichloropropene (trans)	75	13.030	13.031	(1.240)	785350	10.0717	10
60 1,1,2-Trichloroethane	83	13.292	13.292	(0.907)	533757	9.39219	9.4
61 Tetrachloroethene	166	13.420	13.420	(0.916)	1074927	9.26316	9.3

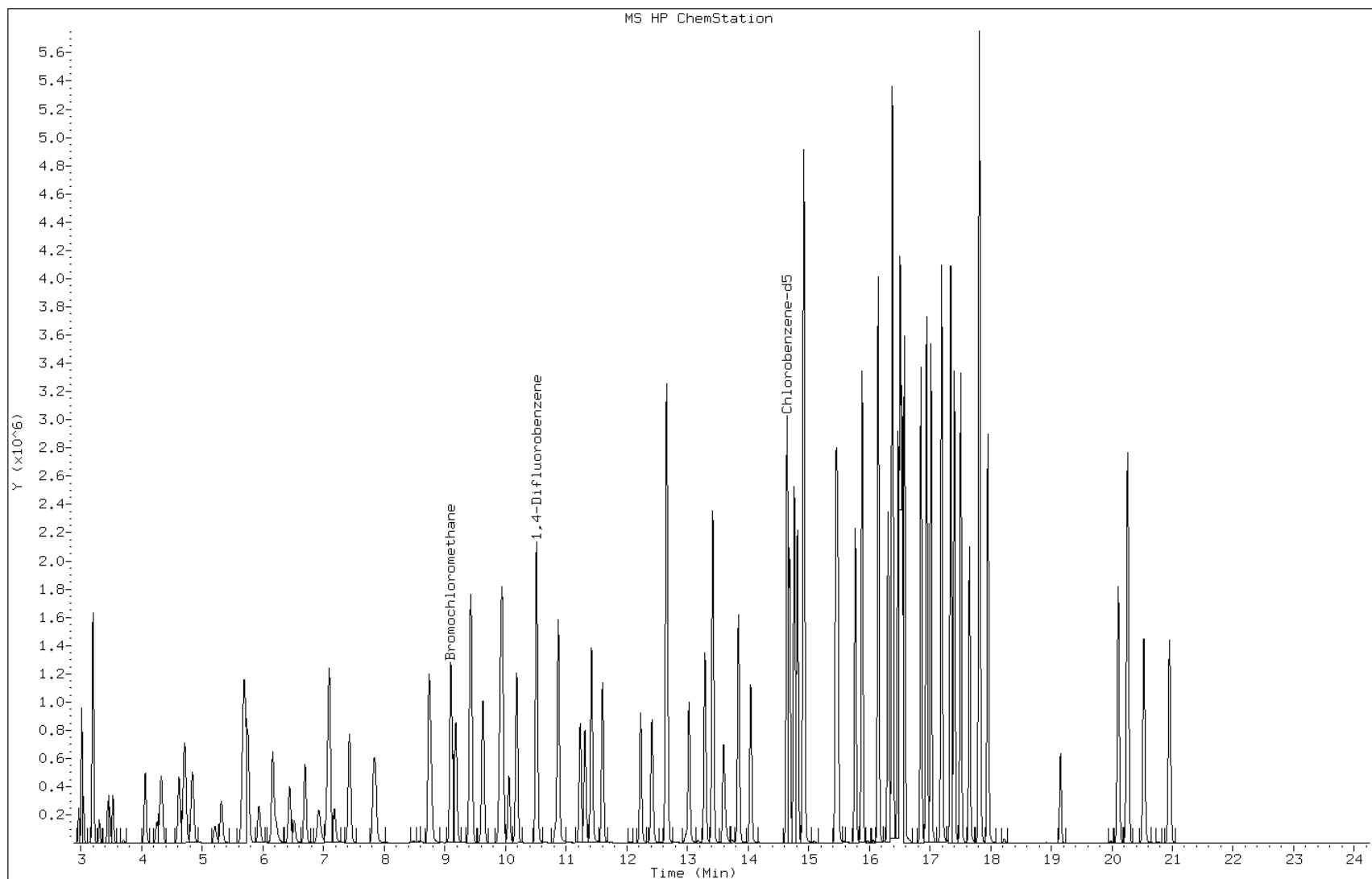
Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	13.596	13.602	(0.928)	717187	10.4626	10
63 Dibromochloromethane	129	13.842	13.847	(0.945)	1272410	10.2077	10
64 1,2-Dibromoethane	107	14.044	14.050	(0.959)	1081828	9.71803	9.7
* 65 Chlorobenzene-d5	117	14.648	14.648	(1.000)	2534017	10.0000	
66 Chlorobenzene	112	14.685	14.690	(1.003)	1705698	9.29584	9.3
67 n-Nonane	57	14.818	14.819	(1.012)	999556	9.94761	9.9
68 Ethylbenzene	91	14.765	14.771	(1.008)	2524995	9.69585	9.7
69 Xylene (m,p)	106	14.925	14.925	(1.019)	2243307	19.4480	19
M 70 Xylenes, Total	106				3292570	29.2482	29
71 Xylene (o)	106	15.453	15.459	(1.055)	1049263	9.80018	9.8
72 Styrene	104	15.480	15.486	(1.057)	1632850	10.2364	10
73 Bromoform	173	15.774	15.774	(1.077)	1333967	10.1977	10
74 Isopropylbenzene	105	15.886	15.886	(1.085)	3007027	10.0858	10
75 1,1,2,2-Tetrachloroethane	83	16.313	16.313	(1.114)	1449450	9.62830	9.6
76 n-Propylbenzene	91	16.382	16.382	(1.118)	3568189	10.3100	10
77 1,2,3-Trichloropropane	75	16.387	16.393	(1.119)	1078349	10.0309	10
78 n-Decane	57	16.478	16.478	(1.125)	1191594	9.60091	9.6
79 4-Ethyltoluene	105	16.510	16.516	(1.127)	3221041	10.3003	10
80 2-Chlorotoluene	91	16.542	16.542	(1.129)	2669482	9.90939	9.9
81 1,3,5-Trimethylbenzene	105	16.585	16.585	(1.132)	2463180	9.61292	9.6
82 Alpha Methyl Styrene	118	16.857	16.857	(1.151)	1364342	10.9814	11
83 tert-butylbenzene	119	16.948	16.953	(1.157)	2501782	9.99204	10
84 1,2,4-Trimethylbenzene	105	17.022	17.023	(1.162)	2384909	9.49979	9.5
85 sec-Butylbenzene	105	17.193	17.199	(1.174)	3732028	9.88624	9.9
86 4-Isopropyltoluene	119	17.348	17.348	(1.184)	3157424	9.97216	10
87 1,3-Dichlorobenzene	146	17.407	17.407	(1.188)	1826509	9.19974	9.2
88 1,4-Dichlorobenzene	146	17.513	17.514	(1.196)	1836354	9.29321	9.3
89 Benzyl chloride	91	17.658	17.658	(1.205)	1924133	9.71528	9.7
90 Undecane	57	17.812	17.818	(1.216)	984081	8.32331	8.3
91 n-Butylbenzene	91	17.823	17.823	(1.217)	2667923	10.0619	10
92 1,2-Dichlorobenzene	146	17.956	17.962	(1.226)	1684849	8.93458	8.9
93 Dodecane	57	19.152	19.157	(1.308)	289336	3.89394	3.9(aR)
94 1,2,4-Trichlorobenzene	180	20.107	20.113	(1.373)	989971	8.05139	8.1
95 1,3-Hexachlorobutadiene	225	20.262	20.268	(1.383)	935790	8.47379	8.5
96 Naphthalene	128	20.529	20.534	(1.402)	2050882	8.84811	8.8
97 1,2,3-Trichlorobenzene	180	20.950	20.956	(1.430)	854236	9.52886	9.5

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- R - Spike/Surrogate failed recovery limits.

Data File: bkyj03.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: lcs 482067
Lab Sample ID: lcs 482067

Date: 13-APR-2013 15:20
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-35521-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-54445/3

Matrix: Air Lab File ID: giax03.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 04/17/2013 12:13

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.: 54445 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	12.4		0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	11.5		0.20	0.20
74-87-3	Chloromethane	50.49	11.2		0.50	0.50
75-01-4	Vinyl chloride	62.50	10.2		0.20	0.20
106-99-0	1,3-Butadiene	54.09	11.9		0.20	0.20
74-83-9	Bromomethane	94.94	10.4		0.20	0.20
75-00-3	Chloroethane	64.52	10.2		0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	106.96	10.4		0.20	0.20
75-69-4	Trichlorofluoromethane	137.37	11.0		0.20	0.20
76-13-1	Freon TF	187.38	12.0		0.20	0.20
75-35-4	1,1-Dichloroethene	96.94	12.2		0.20	0.20
67-64-1	Acetone	58.08	11.9		5.0	5.0
67-63-0	Isopropyl alcohol	60.10	11.1		5.0	5.0
75-15-0	Carbon disulfide	76.14	11.4		0.50	0.50
107-05-1	3-Chloropropene	76.53	11.5		0.50	0.50
75-09-2	Methylene Chloride	84.93	12.1		0.50	0.50
75-65-0	tert-Butyl alcohol	74.12	11.0		5.0	5.0
1634-04-4	Methyl tert-butyl ether	88.15	11.5		0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	11.6		0.20	0.20
110-54-3	n-Hexane	86.17	11.8		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	11.3		0.20	0.20
78-93-3	Methyl Ethyl Ketone	72.11	10.8		0.50	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	11.6		0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	23.2		0.20	0.20
67-66-3	Chloroform	119.38	11.5		0.20	0.20
109-99-9	Tetrahydrofuran	72.11	11.2		5.0	5.0
71-55-6	1,1,1-Trichloroethane	133.41	11.3		0.20	0.20
110-82-7	Cyclohexane	84.16	11.2		0.20	0.20
56-23-5	Carbon tetrachloride	153.81	10.4		0.20	0.20
540-84-1	2,2,4-Trimethylpentane	114.23	11.0		0.20	0.20
71-43-2	Benzene	78.11	10.8		0.20	0.20
107-06-2	1,2-Dichloroethane	98.96	11.2		0.20	0.20
142-82-5	n-Heptane	100.21	10.9		0.20	0.20
79-01-6	Trichloroethene	131.39	10.6		0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-35521-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-54445/3
 Matrix: Air Lab File ID: giar03.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 04/17/2013 12:13
 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.: 54445 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	10.2		0.20	0.20
123-91-1	1,4-Dioxane	88.11	9.60		5.0	5.0
75-27-4	Bromodichloromethane	163.83	11.3		0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	9.74		0.20	0.20
108-10-1	methyl isobutyl ketone	100.16	10.5		0.50	0.50
108-88-3	Toluene	92.14	9.76		0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	9.97		0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	9.53		0.20	0.20
127-18-4	Tetrachloroethene	165.83	9.03		0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10.2		0.50	0.50
124-48-1	Dibromochloromethane	208.29	10.5		0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	9.26		0.20	0.20
108-90-7	Chlorobenzene	112.30	8.85		0.20	0.20
100-41-4	Ethylbenzene	106.17	10.0		0.20	0.20
179601-23-1	m,p-Xylene	106.17	19.2		0.50	0.50
95-47-6	Xylene, o-	106.17	9.68		0.20	0.20
1330-20-7	Xylene (total)	106.17	28.9		0.20	0.20
100-42-5	Styrene	104.15	9.86		0.20	0.20
75-25-2	Bromoform	252.75	9.74		0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.51		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	9.71		0.20	0.20
95-49-8	2-Chlorotoluene	126.59	10.1		0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	9.72		0.20	0.20
541-73-1	1,3-Dichlorobenzene	147.00	8.41		0.20	0.20
106-46-7	1,4-Dichlorobenzene	147.00	8.29		0.20	0.20
95-50-1	1,2-Dichlorobenzene	147.00	8.38		0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	8.32		0.50	0.50
87-68-3	Hexachlorobutadiene	260.76	9.48		0.20	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/giaxto15.b/giax03.d
Lab Smp Id: lcs 476351
Inj Date : 17-APR-2013 12:13
Operator : BL
Smp Info : lcs 476351
Misc Info : 200,1, lcs
Comment :
Method : /chem/G.i/Gsvr.p/giaxto15.b/to15v5.m
Meth Date : 18-Apr-2013 10:45 lyonsb
Cal Date : 24-MAR-2013 14:13
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gia20.d
QC Sample: LCS
Compound Sublist: allT015.sub

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	2.995	3.001	(0.295)	107054	11.3585	11
2 Dichlorodifluoromethane	85	3.065	3.070	(0.301)	771099	12.3543	12
3 Chlorodifluoromethane	51	3.108	3.113	(0.306)	325925	11.8733	12
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.322	3.333	(0.327)	681849	11.5244	12
5 Chloromethane	50	3.439	3.450	(0.338)	141321	11.1705	11
6 Butane	43	3.653	3.659	(0.359)	204958	11.5812	12
7 Vinyl chloride	62	3.680	3.691	(0.362)	177979	10.1862	10
8 1,3-Butadiene	54	3.760	3.771	(0.370)	112502	11.9146	12
9 Bromomethane	94	4.408	4.424	(0.433)	242557	10.3695	10
10 Chloroethane	64	4.643	4.659	(0.457)	74934	10.2054	10
11 2-Methylbutane	43	4.756	4.772	(0.468)	148227	10.7818	11
12 Vinyl bromide	106	5.034	5.044	(0.495)	253608	10.4321	10
13 Trichlorofluoromethane	101	5.157	5.173	(0.507)	776439	10.9675	11
14 Pentane	43	5.317	5.333	(0.523)	221694	11.3574	11

Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
	MASS						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====		=====	=====	=====
15 Ethanol	45		5.676	5.702 (0.558)		79126	17.9153	18
16 Ethyl ether	59		5.820	5.836 (0.572)		86028	10.6258	11
17 1,1,2-Trichloro-1,2,2-trifluo	101		6.243	6.264 (0.614)		529026	11.9572	12
18 Acrolein	56		6.125	6.146 (0.602)		41727	9.27122	9.3
19 1,1-Dichloroethene	96		6.253	6.275 (0.615)		220537	12.1755	12
20 Acetone	43		6.430	6.457 (0.632)		218631	11.8749	12
21 Carbon disulfide	76		6.633	6.655 (0.652)		602387	11.4181	11
22 Isopropanol	45		6.756	6.783 (0.664)		147148	11.1038	11
23 Allyl chloride	41		7.018	7.040 (0.690)		166266	11.4839	11(M)
24 Acetonitrile	41		7.040	7.072 (0.692)		92361	11.5582	12(M)
25 Methylene chloride	49		7.297	7.318 (0.718)		197789	12.0576	12
26 Tert-butyl alcohol	59		7.537	7.564 (0.741)		253615	11.0432	11
27 Methyl tert-butyl ether	73		7.757	7.783 (0.763)		489788	11.4825	11
28 1,2-Dichloroethene (trans)	61		7.767	7.789 (0.764)		282209	11.6486	12
29 Acrylonitrile	53		7.826	7.853 (0.770)		93071	11.5917	12
30 n-Hexane	57		8.222	8.238 (0.808)		215018	11.8079	12
31 1,1-Dichloroethane	63		8.607	8.634 (0.846)		350757	11.3350	11
32 Vinyl acetate	43		8.704	8.730 (0.856)		281869	11.0076	11
M 33 1,2-Dichloroethene,Total	61					553342	23.2000	23
34 1,2-Dichloroethene (cis)	96		9.715	9.741 (0.955)		271133	11.5513	12
35 Ethyl acetate	88		9.838	9.865 (0.967)		11241	10.4741	10
36 Methyl Ethyl Ketone	72		9.747	9.774 (0.958)		71720	10.7531	11
* 37 Bromochloromethane	128		10.169	10.196 (1.000)		287222	10.0000	
38 Tetrahydrofuran	42		10.212	10.239 (0.837)		133910	11.1592	11
39 Chloroform	83		10.319	10.346 (1.015)		619521	11.4544	11
40 Cyclohexane	84		10.651	10.672 (0.873)		308926	11.1605	11
41 1,1,1-Trichloroethane	97		10.624	10.651 (0.871)		745992	11.2886	11
42 Carbon tetrachloride	117		10.908	10.929 (0.894)		830998	10.4202	10
43 2,2,4-Trimethylpentane	57		11.405	11.432 (0.935)		945413	11.0052	11
44 Benzene	78		11.341	11.362 (0.930)		766042	10.8487	11
45 1,2-Dichloroethane	62		11.475	11.502 (0.941)		396482	11.2247	11
46 n-Heptane	43		11.817	11.833 (0.969)		310643	10.9046	11
* 47 1,4-Difluorobenzene	114		12.197	12.224 (1.000)		1647674	10.0000	
48 n-Butanol	56		12.582	12.620 (1.032)		74845	9.79366	9.8
49 Trichloroethene	95		12.689	12.716 (1.040)		528458	10.5961	11
50 1,2-Dichloropropane	63		13.208	13.240 (1.083)		293237	10.1548	10
51 Methyl methacrylate	69		13.438	13.460 (1.102)		232899	10.4926	10
52 Dibromomethane	174		13.465	13.492 (1.104)		421417	9.61378	9.6
53 1,4-Dioxane	88		13.465	13.486 (1.104)		124330	9.59750	9.6
54 Bromodichloromethane	83		13.786	13.813 (1.130)		884738	11.3162	11
55 1,3-Dichloropropene (cis)	75		14.770	14.797 (1.211)		469926	9.74013	9.7
56 Methyl isobutyl ketone	43		15.064	15.097 (1.235)		430707	10.4700	10
57 n-Octane	43		15.578	15.605 (1.277)		494333	9.78131	9.8
58 Toluene	92		15.412	15.434 (0.840)		724322	9.76317	9.8
59 1,3-Dichloropropene (trans)	75		15.979	16.006 (1.310)		439757	9.97018	10
60 1,1,2-Trichloroethane	83		16.343	16.375 (0.891)		332208	9.52742	9.5
61 Tetrachloroethene	166		16.552	16.573 (0.903)		659829	9.03361	9.0

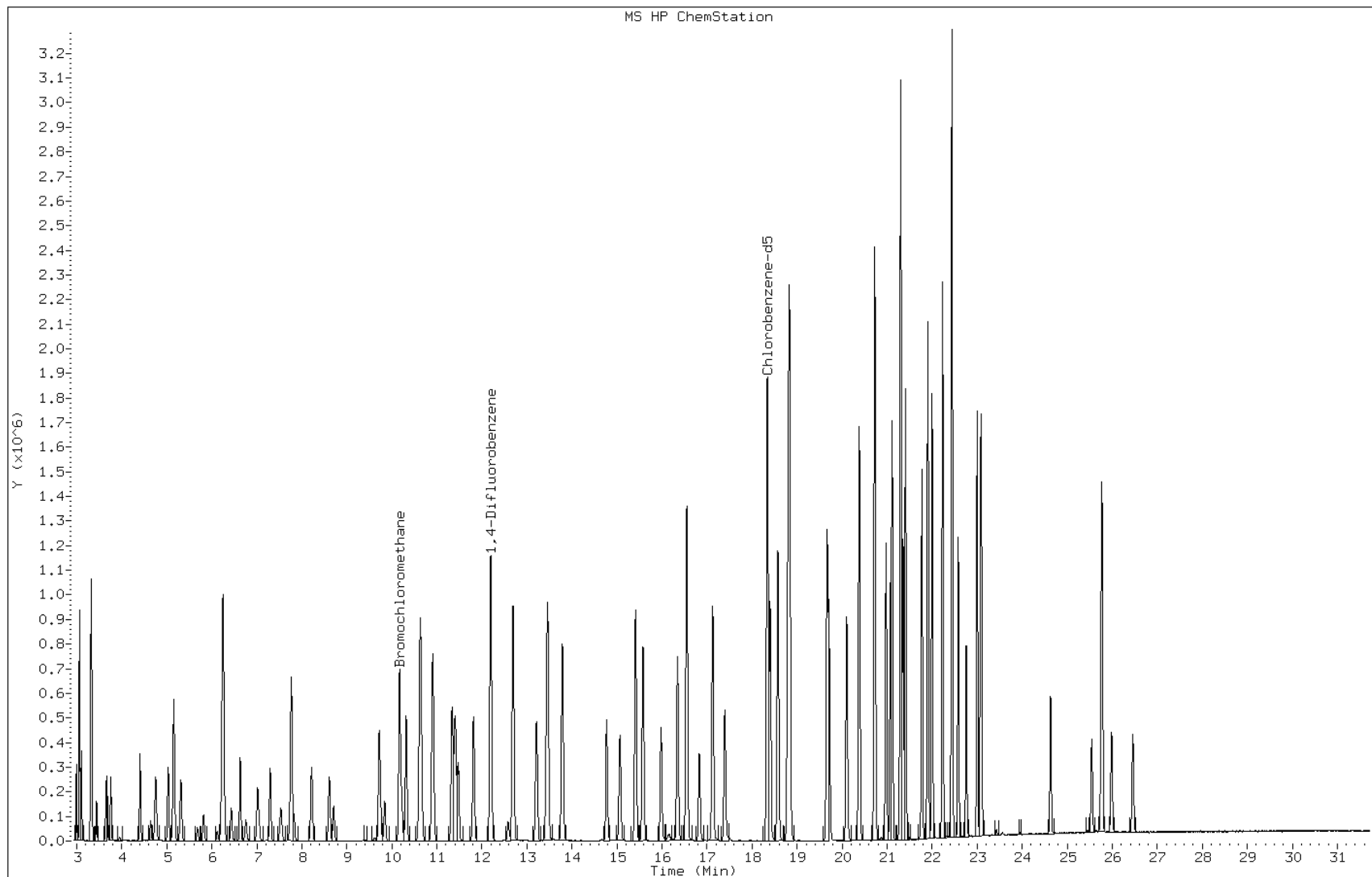
Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	16.824	16.851	(0.917)	350940	10.1809	10
63 Dibromochloromethane	129	17.129	17.151	(0.934)	868086	10.5014	11
64 1,2-Dibromoethane	107	17.397	17.424	(0.949)	621331	9.26195	9.3
* 65 Chlorobenzene-d5	117	18.338	18.360	(1.000)	1952356	10.0000	
66 Chlorobenzene	112	18.397	18.424	(1.003)	924287	8.85162	8.9
67 n-Nonane	57	18.793	18.815	(1.025)	496861	9.67232	9.7
68 Ethylbenzene	91	18.574	18.601	(1.013)	1490560	10.0023	10
69 Xylene (m,p)	106	18.831	18.852	(1.027)	1148426	19.2062	19
M 70 Xylenes, Total	106				1771348	28.8880	29
71 Xylene (o)	106	19.665	19.687	(1.072)	622922	9.68181	9.7
72 Styrene	104	19.708	19.735	(1.075)	755549	9.86079	9.9
73 Bromoform	173	20.104	20.125	(1.096)	639628	9.74236	9.7
74 Isopropylbenzene	105	20.382	20.398	(1.111)	1835489	9.83432	9.8
75 1,1,2,2-Tetrachloroethane	83	20.976	20.997	(1.144)	817383	9.51460	9.5
76 n-Propylbenzene	91	21.110	21.126	(1.151)	1852428	9.86889	9.9
77 1,2,3-Trichloropropane	75	21.072	21.094	(1.149)	599912	9.68052	9.7
78 n-Decane	57	21.350	21.366	(1.164)	541768	10.3713	10
79 4-Ethyltoluene	105	21.302	21.318	(1.162)	1575449	10.1036	10
80 2-Chlorotoluene	91	21.297	21.313	(1.161)	1371531	10.0720	10
81 1,3,5-Trimethylbenzene	105	21.409	21.425	(1.167)	1401086	9.71409	9.7
82 Alpha Methyl Styrene	118	21.773	21.789	(1.187)	613446	10.2003	10
83 tert-butylbenzene	119	21.907	21.923	(1.195)	1469298	9.70940	9.7
84 1,2,4-Trimethylbenzene	105	21.998	22.008	(1.200)	1314180	9.71627	9.7
85 sec-Butylbenzene	105	22.233	22.249	(1.212)	2031096	9.78821	9.8
86 4-Isopropyltoluene	119	22.436	22.452	(1.223)	1627473	10.0332	10
87 1,3-Dichlorobenzene	146	22.447	22.463	(1.224)	670481	8.41445	8.4
88 1,4-Dichlorobenzene	146	22.581	22.597	(1.231)	625025	8.29428	8.3
89 Benzyl chloride	91	22.757	22.768	(1.241)	682342	9.36744	9.4
90 Undecane	57	23.073	23.089	(1.258)	392586	10.8673	11
91 n-Butylbenzene	91	23.003	23.014	(1.254)	1178396	10.4487	10
92 1,2-Dichlorobenzene	146	23.094	23.110	(1.259)	712855	8.38153	8.4
93 Dodecane	57	24.630	24.646	(1.343)	242043	12.9822	13
94 1,2,4-Trichlorobenzene	180	25.544	25.561	(1.393)	176700	8.31890	8.3
95 1,3-Hexachlorobutadiene	225	25.769	25.785	(1.405)	394769	9.47893	9.5
96 Naphthalene	128	25.988	26.010	(1.417)	549384	10.3911	10
97 1,2,3-Trichlorobenzene	180	26.454	26.475	(1.443)	201618	9.38773	9.4

QC Flag Legend

M - Compound response manually integrated.

Data File: giax03.d
Client ID:
Operator: BL
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: lcs 476351
Lab Sample ID: lcs 476351

Date: 17-APR-2013 12:13
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32

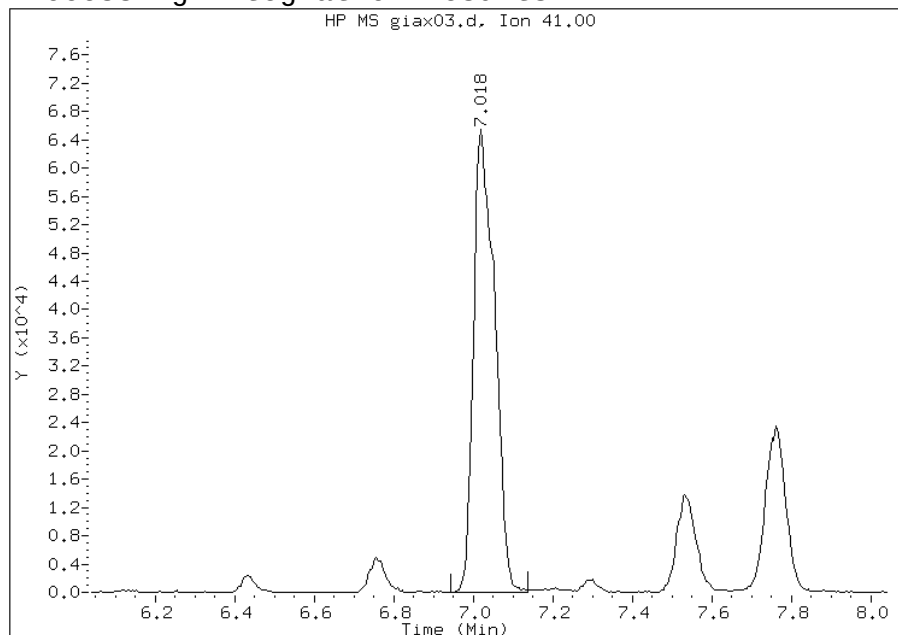


Manual Integration Report

Data File: giax03.d
Lab Sample ID: lcs 476351
Inj. Date and Time: 17-APR-2013 12:13
Instrument ID: G.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/18/2013

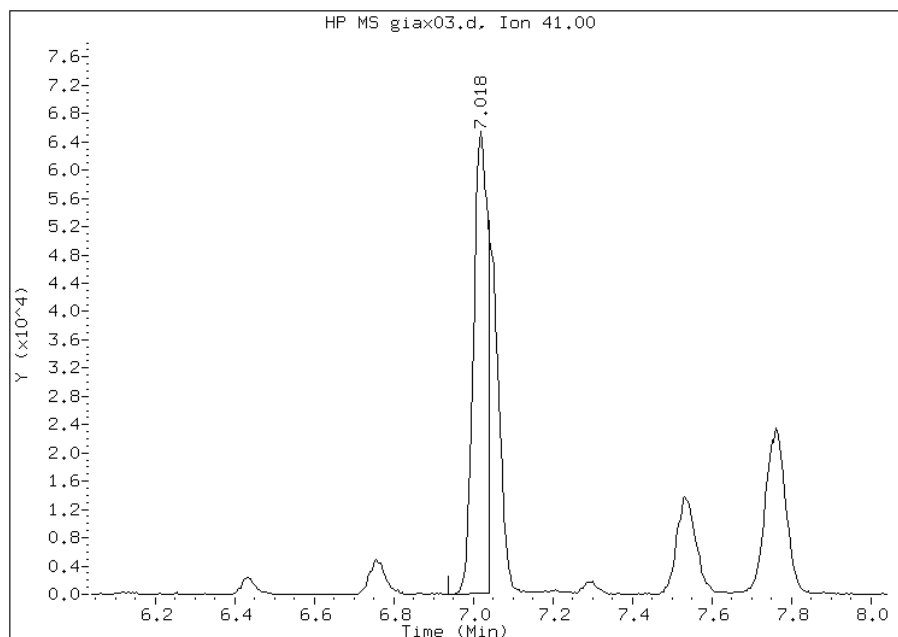
Processing Integration Results

RT: 7.02
Response: 242904
Amount: 16.78
Conc: 16.78



Manual Integration Results

RT: 7.02
Response: 166266
Amount: 11.48
Conc: 11.48



File Uploaded By: lyonsb
Manual Integration Reason: Poor chromatography

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 480-35521-1

SDG No.: _____

Instrument ID: B.iStart Date: 04/03/2013 14:22Analysis Batch Number: 53873End Date: 04/04/2013 12:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-53873/1		04/03/2013 14:22	1	bky01.d	RTX-624 0.32 (mm)
VIBLK 200-53873/2		04/03/2013 15:12	1		RTX-624 0.32 (mm)
IC 200-53873/3		04/03/2013 16:04	1	bky03.d	RTX-624 0.32 (mm)
IC 200-53873/4		04/03/2013 16:56	1	bky04.d	RTX-624 0.32 (mm)
IC 200-53873/5		04/03/2013 17:49	1	bky05.d	RTX-624 0.32 (mm)
IC 200-53873/6		04/03/2013 18:41	1	bky06.d	RTX-624 0.32 (mm)
ICIS 200-53873/7		04/03/2013 19:33	1	bky07.d	RTX-624 0.32 (mm)
IC 200-53873/8		04/03/2013 20:26	1	bky08.d	RTX-624 0.32 (mm)
IC 200-53873/9		04/03/2013 21:18	1	bky09.d	RTX-624 0.32 (mm)
IC 200-53873/10		04/03/2013 22:10	1	bky10.d	RTX-624 0.32 (mm)
VIBLK 200-53873/11		04/03/2013 23:02	1		RTX-624 0.32 (mm)
VIBLK 200-53873/12		04/03/2013 23:54	1		RTX-624 0.32 (mm)
VIBLK 200-53873/13		04/04/2013 00:45	1		RTX-624 0.32 (mm)
ICV 200-53873/14		04/04/2013 01:37	1	bky14.d	RTX-624 0.32 (mm)
VIBLK 200-53873/15		04/04/2013 02:30	1		RTX-624 0.32 (mm)
ZZZZZ		04/04/2013 03:22	1		RTX-624 0.32 (mm)
ZZZZZ		04/04/2013 04:14	1		RTX-624 0.32 (mm)
ZZZZZ		04/04/2013 05:06	10.1		RTX-624 0.32 (mm)
ZZZZZ		04/04/2013 05:58	35.2		RTX-624 0.32 (mm)
ZZZZZ		04/04/2013 06:50	1		RTX-624 0.32 (mm)
ZZZZZ		04/04/2013 07:42	1		RTX-624 0.32 (mm)
ZZZZZ		04/04/2013 08:34	1		RTX-624 0.32 (mm)
ZZZZZ		04/04/2013 09:27	1		RTX-624 0.32 (mm)
ZZZZZ		04/04/2013 10:20	1		RTX-624 0.32 (mm)
ZZZZZ		04/04/2013 11:13	1		RTX-624 0.32 (mm)
ZZZZZ		04/04/2013 12:06	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 480-35521-1

SDG No.: _____

Instrument ID: B.iStart Date: 04/13/2013 13:41Analysis Batch Number: 54299End Date: 04/14/2013 09:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-54299/1		04/13/2013 13:41	1	bkyj01.d	RTX-624 0.32 (mm)
CCVIS 200-54299/2		04/13/2013 14:30	1	bkyj02.d	RTX-624 0.32 (mm)
LCS 200-54299/3		04/13/2013 15:20	1	bkyj03.d	RTX-624 0.32 (mm)
MB 200-54299/4		04/13/2013 16:13	1	bkyj04.d	RTX-624 0.32 (mm)
ZZZZZ		04/13/2013 17:05	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2013 17:57	12		RTX-624 0.32 (mm)
ZZZZZ		04/13/2013 18:50	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2013 19:42	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2013 20:35	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2013 21:27	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2013 22:19	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2013 23:12	1		RTX-624 0.32 (mm)
ZZZZZ		04/14/2013 00:04	1		RTX-624 0.32 (mm)
ZZZZZ		04/14/2013 00:56	1		RTX-624 0.32 (mm)
ZZZZZ		04/14/2013 01:48	1		RTX-624 0.32 (mm)
ZZZZZ		04/14/2013 02:41	1		RTX-624 0.32 (mm)
ZZZZZ		04/14/2013 03:33	1		RTX-624 0.32 (mm)
ZZZZZ		04/14/2013 04:25	1		RTX-624 0.32 (mm)
ZZZZZ		04/14/2013 05:17	1		RTX-624 0.32 (mm)
ZZZZZ		04/14/2013 06:09	1		RTX-624 0.32 (mm)
ZZZZZ		04/14/2013 07:01	1		RTX-624 0.32 (mm)
ZZZZZ		04/14/2013 07:53	1		RTX-624 0.32 (mm)
ZZZZZ		04/14/2013 08:45	1.78		RTX-624 0.32 (mm)
480-35521-2	AS Effluent	04/14/2013 09:37	12	bkyj24.d	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 480-35521-1

SDG No.: _____

Instrument ID: G.iStart Date: 03/23/2013 14:52Analysis Batch Number: 53355End Date: 03/24/2013 15:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-53355/1		03/23/2013 14:52	1	gia01.d	RTX-624 0.32 (mm)
VIBLK 200-53355/2		03/23/2013 16:12	1		RTX-624 0.32 (mm)
VIBLK 200-53355/3		03/23/2013 17:03	1		RTX-624 0.32 (mm)
IC 200-53355/4		03/23/2013 17:53	1	gia04.d	RTX-624 0.32 (mm)
ZZZZZ		03/23/2013 18:43	1		RTX-624 0.32 (mm)
IC 200-53355/6		03/23/2013 19:33	1	gia06.d	RTX-624 0.32 (mm)
ZZZZZ		03/23/2013 20:24	1		RTX-624 0.32 (mm)
ICIS 200-53355/8		03/23/2013 21:15	1	gia08.d	RTX-624 0.32 (mm)
IC 200-53355/9		03/23/2013 22:05	1	gia09.d	RTX-624 0.32 (mm)
IC 200-53355/10		03/23/2013 22:56	1	gia10.d	RTX-624 0.32 (mm)
IC 200-53355/11		03/23/2013 23:46	1	gia11.d	RTX-624 0.32 (mm)
VIBLK 200-53355/12		03/24/2013 00:36	1		RTX-624 0.32 (mm)
VIBLK 200-53355/13		03/24/2013 01:26	1		RTX-624 0.32 (mm)
ICV 200-53355/14		03/24/2013 02:16	1		RTX-624 0.32 (mm)
ICV 200-53355/15		03/24/2013 03:07	1		RTX-624 0.32 (mm)
ICV 200-53355/16		03/24/2013 03:57	1		RTX-624 0.32 (mm)
VIBLK 200-53355/17		03/24/2013 04:48	1		RTX-624 0.32 (mm)
ZZZZZ		03/24/2013 12:31	1		RTX-624 0.32 (mm)
IC 200-53355/19		03/24/2013 13:22	1	gia19.d	RTX-624 0.32 (mm)
IC 200-53355/20		03/24/2013 14:13	1	gia20.d	RTX-624 0.32 (mm)
VIBLK 200-53355/21		03/24/2013 15:04	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 480-35521-1

SDG No.: _____

Instrument ID: G.iStart Date: 03/25/2013 10:54Analysis Batch Number: 53428End Date: 03/26/2013 08:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-53428/1		03/25/2013 10:54	1	giaa01.d	RTX-624 0.32 (mm)
CCVIS 200-53428/2		03/25/2013 11:52	1		RTX-624 0.32 (mm)
ICV 200-53428/3		03/25/2013 12:48	1	giaa03.d	RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 13:39	1		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 14:29	1		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 15:19	20		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 16:09	4		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 17:00	1		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 17:51	1		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 18:42	1		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 19:33	262		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 20:23	1		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 21:14	1		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 22:04	3.51		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 22:55	1		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 23:45	1		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 00:35	1		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 01:26	1		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 02:17	1		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 03:08	2		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 03:58	1		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 04:48	4		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 05:38	1		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 06:28	2		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 07:19	1		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 08:45	0.2		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 480-35521-1

SDG No.: _____

Instrument ID: G.iStart Date: 04/17/2013 10:23Analysis Batch Number: 54445End Date: 04/18/2013 10:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-54445/1		04/17/2013 10:23	1	giax01.d	RTX-624 0.32 (mm)
CCVIS 200-54445/2		04/17/2013 11:18	1	giax02.d	RTX-624 0.32 (mm)
LCS 200-54445/3		04/17/2013 12:13	1	giax03.d	RTX-624 0.32 (mm)
MB 200-54445/4		04/17/2013 13:14	1	giax04.d	RTX-624 0.32 (mm)
ZZZZZ		04/17/2013 14:04	4807.1		RTX-624 0.32 (mm)
ZZZZZ		04/17/2013 14:54	4413.7		RTX-624 0.32 (mm)
ZZZZZ		04/17/2013 15:44	3814		RTX-624 0.32 (mm)
ZZZZZ		04/17/2013 16:38	5641.7		RTX-624 0.32 (mm)
ZZZZZ		04/17/2013 17:39	2.5		RTX-624 0.32 (mm)
ZZZZZ		04/17/2013 18:56	2.5		RTX-624 0.32 (mm)
ZZZZZ		04/17/2013 19:46	8027.8		RTX-624 0.32 (mm)
ZZZZZ		04/17/2013 20:37	8032.9		RTX-624 0.32 (mm)
ZZZZZ		04/17/2013 21:27	6026.1		RTX-624 0.32 (mm)
ZZZZZ		04/17/2013 22:18	1		RTX-624 0.32 (mm)
480-35521-1	LRP Effluent	04/17/2013 23:08	929.1	giax15.d	RTX-624 0.32 (mm)
ZZZZZ		04/17/2013 23:58	238.7		RTX-624 0.32 (mm)
ZZZZZ		04/18/2013 00:48	18.5		RTX-624 0.32 (mm)
ZZZZZ		04/18/2013 01:38	302.9		RTX-624 0.32 (mm)
ZZZZZ		04/18/2013 02:28	30.59		RTX-624 0.32 (mm)
ZZZZZ		04/18/2013 03:19	1		RTX-624 0.32 (mm)
ZZZZZ		04/18/2013 04:10	1		RTX-624 0.32 (mm)
ZZZZZ		04/18/2013 05:00	1		RTX-624 0.32 (mm)
ZZZZZ		04/18/2013 05:51	1		RTX-624 0.32 (mm)
ZZZZZ		04/18/2013 06:42	1		RTX-624 0.32 (mm)
ZZZZZ		04/18/2013 07:32	1		RTX-624 0.32 (mm)
ZZZZZ		04/18/2013 08:23	1		RTX-624 0.32 (mm)
ZZZZZ		04/18/2013 09:13	3.51		RTX-624 0.32 (mm)
ZZZZZ		04/18/2013 10:04	10		RTX-624 0.32 (mm)

Certification Type: ☒ Batch ☐ Individual

04/23/2013

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-15693-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: giac03.d
 Lab ID: LCS 200-53546/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	9.71	97	70-130	
Dichlorodifluoromethane	10.0	10.8	108	70-130	
Freon 22	10.0	10.4	104	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.6	106	70-130	
Chloromethane	10.0	10.1	101	70-130	
n-Butane	10.0	9.70	97	70-130	
Vinyl chloride	10.0	9.29	93	70-130	
1,3-Butadiene	10.0	10.6	107	70-130	
Bromomethane	10.0	10.3	103	70-130	
Chloroethane	10.0	11.2	112	70-130	
Bromoethene (Vinyl Bromide)	10.0	11.6	116	70-130	
Trichlorofluoromethane	10.0	10.4	104	70-130	
Ethanol	15.0	12.8	86	70-130	
Freon TF	10.0	11.2	112	70-130	
1,1-Dichloroethene	10.0	11.3	113	70-130	
Acetone	10.0	8.38	84	70-130	
Isopropyl alcohol	10.0	8.66	87	70-130	
Carbon disulfide	10.0	10.6	106	70-130	
3-Chloropropene	10.0	11.6	116	70-130	
Methylene Chloride	10.0	11.0	110	70-130	
tert-Butyl alcohol	10.0	8.68	87	70-130	
Methyl tert-butyl ether	10.0	8.73	87	70-130	
trans-1,2-Dichloroethene	10.0	10.6	106	70-130	
n-Hexane	10.0	10.7	107	70-130	
1,1-Dichloroethane	10.0	10.8	108	70-130	
Vinyl acetate	10.0	8.66	87	70-130	
Ethyl acetate	10.0	8.94	89	70-130	
Methyl Ethyl Ketone	10.0	8.55	85	70-130	
cis-1,2-Dichloroethene	10.0	10.5	105	70-130	
Chloroform	10.0	10.6	106	70-130	
Tetrahydrofuran	10.0	9.39	94	70-130	
1,1,1-Trichloroethane	10.0	10.9	109	70-130	
Cyclohexane	10.0	10.9	109	70-130	
Carbon tetrachloride	10.0	10.6	106	70-130	
2,2,4-Trimethylpentane	10.0	10.7	107	70-130	
Benzene	10.0	10.4	104	70-130	
1,2-Dichloroethane	10.0	10.4	104	70-130	
n-Heptane	10.0	10.2	102	70-130	
Trichloroethene	10.0	9.88	99	70-130	
Methyl methacrylate	10.0	9.74	97	70-130	
1,2-Dichloropropane	10.0	9.65	96	70-130	
1,4-Dioxane	10.0	8.90	89	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.: 200-15693-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: giac03.d
 Lab ID: LCS 200-53546/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	11.0	110	70-130	
cis-1,3-Dichloropropene	10.0	9.61	96	70-130	
methyl isobutyl ketone	10.0	9.93	99	70-130	
Toluene	10.0	9.34	93	70-130	
trans-1,3-Dichloropropene	10.0	9.95	100	70-130	
1,1,2-Trichloroethane	10.0	9.30	93	70-130	
Tetrachloroethene	10.0	9.85	99	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	11.0	110	70-130	
Dibromochloromethane	10.0	10.8	108	70-130	
1,2-Dibromoethane	10.0	9.98	100	70-130	
Chlorobenzene	10.0	9.04	90	70-130	
Ethylbenzene	10.0	9.28	93	70-130	
m,p-Xylene	20.0	18.1	91	70-130	
Xylene, o-	10.0	8.68	87	70-130	
Styrene	10.0	9.95	100	70-130	
Bromoform	10.0	10.8	108	70-130	
Cumene	10.0	8.81	88	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.04	90	70-130	
n-Propylbenzene	10.0	9.38	94	70-130	
4-Ethyltoluene	10.0	9.61	96	70-130	
1,3,5-Trimethylbenzene	10.0	8.96	90	70-130	
2-Chlorotoluene	10.0	9.49	95	70-130	
tert-Butylbenzene	10.0	9.09	91	70-130	
1,2,4-Trimethylbenzene	10.0	9.24	92	70-130	
sec-Butylbenzene	10.0	9.05	91	70-130	
4-Isopropyltoluene	10.0	9.59	96	70-130	
1,3-Dichlorobenzene	10.0	9.27	93	70-130	
1,4-Dichlorobenzene	10.0	9.45	95	70-130	
Benzyl chloride	10.0	11.0	110	70-130	
n-Butylbenzene	10.0	10.4	105	70-130	
1,2-Dichlorobenzene	10.0	9.02	90	70-130	
1,2,4-Trichlorobenzene	10.0	12.6	126	70-130	
Hexachlorobutadiene	10.0	10.9	109	70-130	
Naphthalene	10.0	13.7	137	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.: 200-15693-1
SDG No.: _____
Lab File ID: giac04.d Lab Sample ID: MB 200-53546/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: G.i Date Analyzed: 03/27/2013 14:26
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 200-53546/3	giac03.d	03/27/2013 13:36
5159	200-15693-7	giac05.d	03/27/2013 15:22

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-15693-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-53546/4
 Matrix: Air Lab File ID: giac04.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 03/27/2013 14:26
 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.: 53546 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-15693-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-53546/4
 Matrix: Air Lab File ID: giac04.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 03/27/2013 14:26
 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.: 53546 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-15693-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 200-53546/4
Matrix: Air Lab File ID: giac04.d
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 03/27/2013 14:26
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.: 53546 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/giacto15.b/giac04.d
Lab Smp Id: mb
Inj Date : 27-MAR-2013 14:26
Operator : BL
Smp Info : mb
Misc Info : 200,1 mb
Comment :
Method : /chem/G.i/Gsvr.p/giacto15.b/to15v5.m
Meth Date : 28-Mar-2013 10:47 lyonsb
Cal Date : 24-MAR-2013 14:13
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gia20.d
Compound Sublist: allT015.sub

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

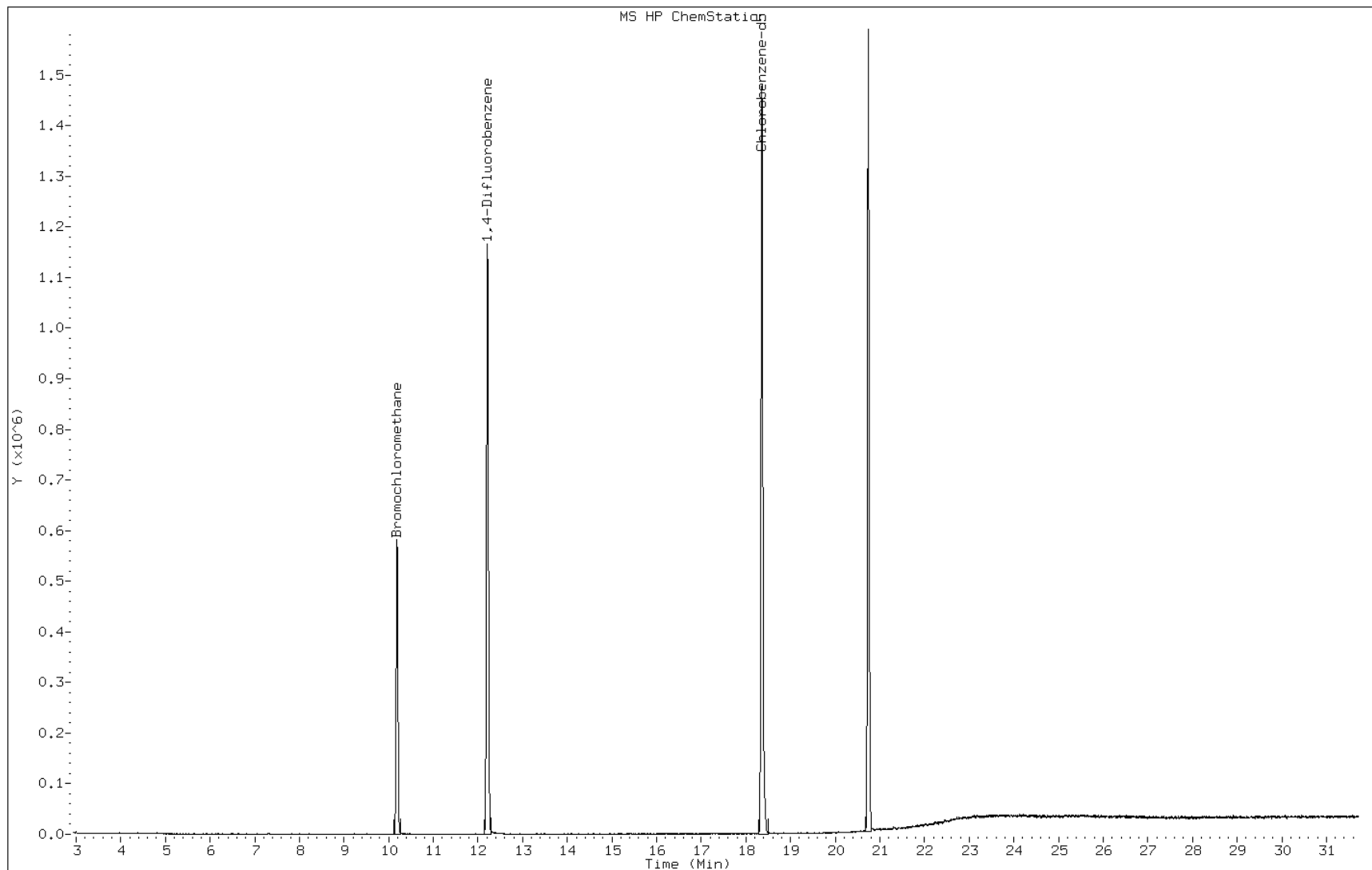
Compounds	QUANT SIG MASS						CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE		ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
1 Propene	41							
2 Dichlorodifluoromethane	85							
3 Chlorodifluoromethane	51							
4 1,2-Dichloro-1,1,2,2-tetraflu	85							
5 Chloromethane	50							
6 Butane	43							
7 Vinyl chloride	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	10.186	10.196	(1.000)		249889		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						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	12.213	12.224	(1.000)		1691883		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	18.355	18.360	(1.000)		1663170		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.		

Data File: giac04.d
Client ID:
Operator: BL
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 27-MAR-2013 14:26
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-15693-1
 SDG No.: _____
 Lab File ID: gia01.d BFB Injection Date: 03/23/2013
 Instrument ID: G.i BFB Injection Time: 14:52
 Analysis Batch No.: 53355

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	13.8
75	30.0 - 66.0% of mass 95	42.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 120.0% of mass 95	80.4
175	4.0 - 9.0 % of mass 174	5.6 (6.9) 1
176	93.0 - 101.0% of mass 174	77.1 (95.9) 1
177	5.0 - 9.0% of mass 176	5.0 (6.5) 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 200-53355/4	gia04.d	03/23/2013	17:53
	IC 200-53355/6	gia06.d	03/23/2013	19:33
	ICIS 200-53355/8	gia08.d	03/23/2013	21:15
	IC 200-53355/9	gia09.d	03/23/2013	22:05
	IC 200-53355/10	gia10.d	03/23/2013	22:56
	IC 200-53355/11	gia11.d	03/23/2013	23:46
	IC 200-53355/19	gia19.d	03/24/2013	13:22
	IC 200-53355/20	gia20.d	03/24/2013	14:13

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-15693-1
 SDG No.: _____
 Lab File ID: giaa01.d BFB Injection Date: 03/25/2013
 Instrument ID: G.i BFB Injection Time: 10:54
 Analysis Batch No.: 53428

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	13.4
75	30.0 - 66.0% of mass 95	43.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.4 (0.5) 1
174	50.0 - 120.0% of mass 95	79.0
175	4.0 - 9.0 % of mass 174	5.6 (7.0) 1
176	93.0 - 101.0% of mass 174	76.7 (97.2) 1
177	5.0 - 9.0% of mass 176	5.1 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 200-53428/3	giaa03.d	03/25/2013	12:48

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-15693-1
 SDG No.: _____
 Lab File ID: giac01.d BFB Injection Date: 03/27/2013
 Instrument ID: G.i BFB Injection Time: 12:05
 Analysis Batch No.: 53546

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	13.6
75	30.0 - 66.0% of mass 95	43.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.4 (0.5) 1
174	50.0 - 120.0% of mass 95	81.7
175	4.0 - 9.0 % of mass 174	5.8 (7.1) 1
176	93.0 - 101.0% of mass 174	78.3 (95.9) 1
177	5.0 - 9.0% of mass 176	5.1 (6.5) 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 200-53546/2	giac02.d	03/27/2013	12:46
	LCS 200-53546/3	giac03.d	03/27/2013	13:36
	MB 200-53546/4	giac04.d	03/27/2013	14:26
5159	200-15693-7	giac05.d	03/27/2013	15:22

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

Lab Name: TestAmerica Burlington Job No.: 200-15693-1
SDG No.: _____
Sample No.: ICIS 200-53355/8 Date Analyzed: 03/23/2013 21:15
Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm)
Lab File ID (Standard): gia08.d Heated Purge: (Y/N) N
Calibration ID: 20860

	BCM		DFB		CBZ	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	328010	10.20	1830104	12.22	2196950	18.36
UPPER LIMIT	459214	10.53	2562146	12.55	3075730	18.69
LOWER LIMIT	196806	9.87	1098062	11.89	1318170	18.03
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-53428/3		318783	10.20	1602506	12.22	2098911 18.36

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.: 200-15693-1
 SDG No.: _____
 Sample No.: CCVIS 200-53546/2 Date Analyzed: 03/27/2013 12:46
 Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): giac02.d Heated Purge: (Y/N) N
 Calibration ID: 20860

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		288440	10.19	1582292	12.21	1873124	18.35
UPPER LIMIT		403816	10.52	2215209	12.54	2622374	18.68
LOWER LIMIT		173064	9.86	949375	11.88	1123874	18.02
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-53546/3		291602	10.19	1621317	12.22	1835504	18.35
MB 200-53546/4		249889	10.19	1691883	12.21	1663170	18.35
200-15693-7	5159	243719	10.19	1668396	12.21	1476662	18.35

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.: 200-15693-1
 SDG No.: _____
 Client Sample ID: 5159 Lab Sample ID: 200-15693-7
 Matrix: Air Lab File ID: giac05.d
 Analysis Method: TO-15 Date Collected: 03/26/2013 00:00
 Sample wt/vol: 1000(mL) Date Analyzed: 03/27/2013 15:22
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 53546 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene (Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-15693-1
 SDG No.: _____
 Client Sample ID: 5159 Lab Sample ID: 200-15693-7
 Matrix: Air Lab File ID: giac05.d
 Analysis Method: TO-15 Date Collected: 03/26/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/27/2013 15:22
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 53546 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-15693-1
SDG No.: _____
Client Sample ID: 5159 Lab Sample ID: 200-15693-7
Matrix: Air Lab File ID: giac05.d
Analysis Method: TO-15 Date Collected: 03/26/2013 00:00
Sample wt/vol: 1000 (mL) Date Analyzed: 03/27/2013 15:22
Soil Aliquot Vol: _____ Dilution Factor: 0.2
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 53546 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-15693-7
Client Smp ID: 5159
Inj Date : 27-MAR-2013 15:22
Operator : BL
Smp Info : 200-15693-A-7
Misc Info : 1000,0.2
Comment :
Method : /chem/G.i/Gsvr.p/giacto15.b/to15v5.m
Meth Date : 28-Mar-2013 10:47 lyonsb
Cal Date : 24-MAR-2013 14:13
Als bottle: 4
Dil Factor: 0.20000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gia20.d
Compound Sublist: all74+MN.sub

Concentration Formula: $\text{Amt} * \text{DF} * \text{Uf} * (\text{Vo}/\text{Vo}) * (\text{Vf}/\text{Vf}) * \text{CpndVariable}$

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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							
12 Vinyl bromide	106							
13 Trichlorofluoromethane	101							
15 Ethanol	45							
17 1,1,2-Trichloro-1,2,2-trifluo	101							

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
19 1,1-Dichloroethene	96				Compound Not Detected.		
20 Acetone	43	6.462	6.457	(0.634)	9627	0.61622	0.12(a)
21 Carbon disulfide	76	6.650	6.655	(0.653)	3560	0.07952	0.016(a)
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				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	10.186	10.196	(1.000)	243719	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				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	12.213	12.224	(1.000)	1668396	10.0000	
49 Trichloroethene	95				Compound Not Detected.		
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				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.		
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	18.355	18.360	(1.000)	1476662	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.		

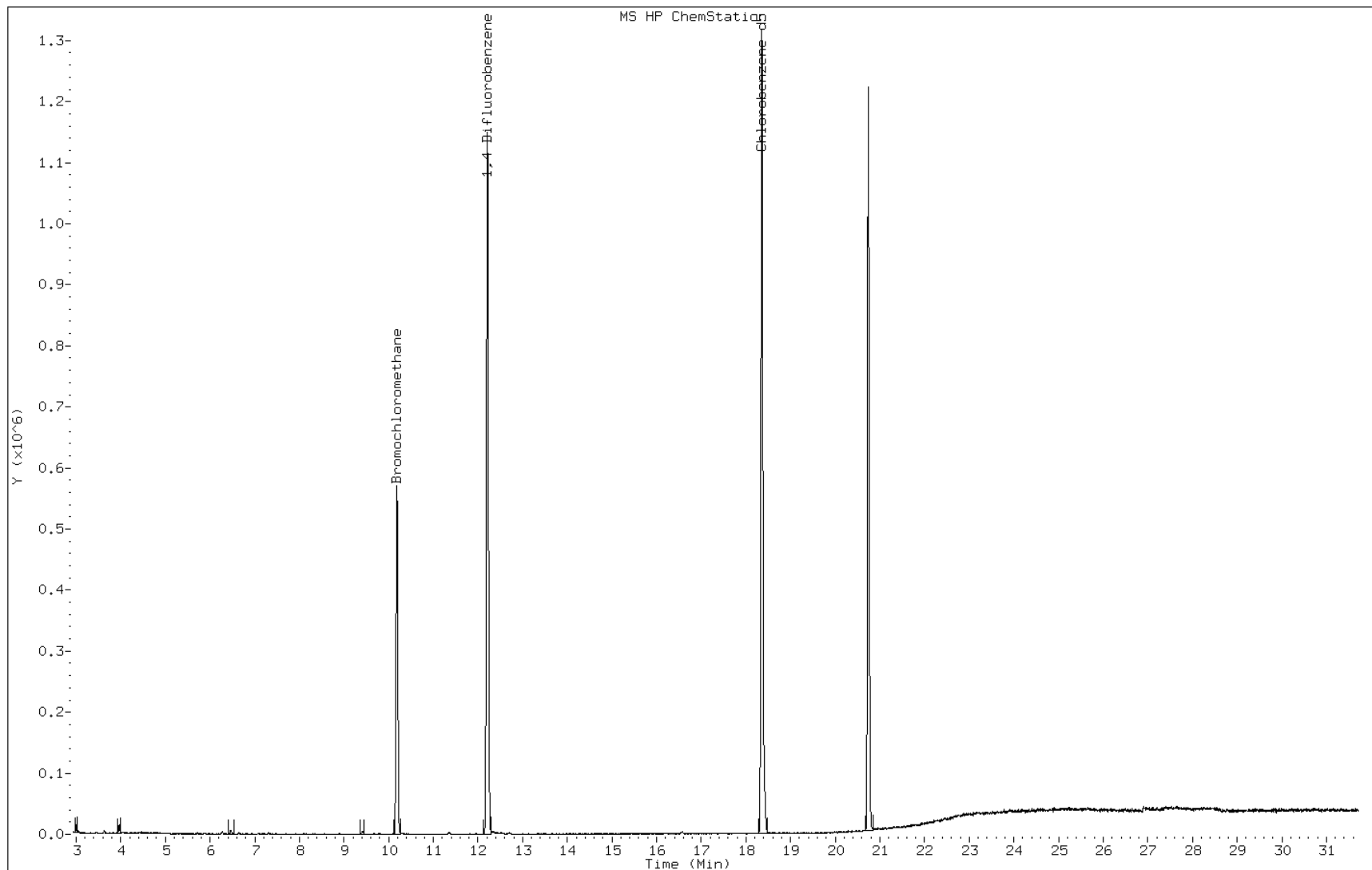
Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
72 Styrene	104		Compound	Not	Detected.				
73 Bromoform	173		Compound	Not	Detected.				
74 Isopropylbenzene	105		Compound	Not	Detected.				
75 1,1,2,2-Tetrachloroethane	83		Compound	Not	Detected.				
76 n-Propylbenzene	91		Compound	Not	Detected.				
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).

Data File: giac05.d
Client ID: 5159
Operator: BL
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-15693-A-7
Lab Sample ID: 200-15693-7

Date: 27-MAR-2013 15:22
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-15693-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-53355/4	gia04.d
Level 2	IC 200-53355/19	gia19.d
Level 3	IC 200-53355/6	gia06.d
Level 4	IC 200-53355/20	gia20.d
Level 5	ICIS 200-53355/8	gia08.d
Level 6	IC 200-53355/9	gia09.d
Level 7	IC 200-53355/10	gia10.d
Level 8	IC 200-53355/11	gia11.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	++++ 0.3035	++++ 0.3077	0.4411 0.2913	0.3159	0.3095	Ave		0.3281				17.0		30.0			
Dichlorodifluoromethane	++++ 2.1176	++++ 2.1533	2.3382 1.9415	2.2684	2.2194	Ave		2.1731				6.4		30.0			
Freon 22	++++ 0.9278	++++ 0.9467	1.0605 0.8597	0.9782	0.9614	Ave		0.9557				6.9		30.0			
1,2-Dichlorotetrafluoroethane	++++ 1.9959	2.0559 2.1156	2.1876 1.8092	2.1574	2.0978	Ave		2.0599				6.2		30.0			
Chloromethane	++++ 0.4191	++++ 0.4505	0.4955 0.4024	0.4365	0.4389	Ave		0.4405				7.2		30.0			
n-Butane	++++ 0.6071	++++ 0.6284	0.6264 0.5745	0.6336	0.6270	Ave		0.6162				3.6		30.0			
Vinyl chloride	0.8856 0.5534	0.5580 0.5692	0.6139 0.5206	0.5847	0.5811	Ave		0.6083				18.9		30.0			
1,3-Butadiene	++++ 0.3389	0.2569 0.3525	0.3362 0.3204	0.3528	0.3435	Ave		0.3287				10.2		30.0			
Bromomethane	++++ 0.7809	0.8574 0.8049	0.8745 0.7160	0.8520	0.8151	Ave		0.8144				6.7		30.0			
Chloroethane	++++ 0.2446	++++ 0.2391	0.3083 0.2213	0.2539	0.2665	Ave		0.2556				11.7		30.0			
Isopentane	++++ 0.4534	0.4480 0.4728	0.5437 0.4346	0.4850	0.5131	Ave		0.4786				8.1		30.0			
Bromoethene (Vinyl Bromide)	++++ 0.7974	0.8040 0.8053	0.9682 0.7529	0.8419	0.9552	Ave		0.8464				9.8		30.0			
Trichlorofluoromethane	++++ 2.3451	2.4294 2.3237	2.6845 2.1663	2.5293	2.7752	Ave		2.4648				8.7		30.0			
n-Pentane	++++ 0.6668	++++ 0.6682	0.6436 0.6450	0.6916	0.7625	Ave		0.6796				6.5		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.: 200-15693-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

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								
Ethanol	+++++ 0.1446	+++++ 0.1593	0.1446 0.1414	0.1664	0.1664	Ave		0.1538				7.5		30.0			
Ethyl ether	+++++ 0.2758	0.2534 0.2765	0.2904 0.2742	0.2939	0.3090	Ave		0.2819				6.3		30.0			
Acrolein	+++++ 0.1525	+++++ 0.1548	0.1556	0.1527	0.1679	Ave		0.1567				4.1		30.0			
Freon TF	+++++ 1.4914	1.4748 1.4840	1.6053 1.3806	1.5997	1.7469	Ave		1.5404				7.8		30.0			
1,1-Dichloroethene	+++++ 0.6120	0.5941 0.6097	0.6568 0.5667	0.6545	0.7206	Ave		0.6306				8.1		30.0			
Acetone	+++++ 0.6160	+++++ 0.6214	0.6021	0.6634	0.7020	Ave		0.6410				6.4		30.0			
Carbon disulfide	+++++ 1.7821	+++++ 1.7780	1.9678 1.7033	1.8965	1.8931	Ave		1.8368				5.3		30.0			
Isopropyl alcohol	+++++ 0.4684	+++++ 0.4727	0.4425	0.4478	0.4755	Ave		0.4614				3.3		30.0			
3-Chloropropene	+++++ 0.4961	0.4708 0.5013	0.4865 0.4994	0.5510	0.5235	Ave		0.5041				5.2		30.0			
Acetonitrile	+++++ 0.2915	+++++ 0.2989	0.2745	0.2501	0.2760	Ave		0.2782				6.8		30.0			
Methylene Chloride	+++++ 0.5487	+++++ 0.5479	0.6571 0.5230	0.5852	0.5647	Ave		0.5711				8.2		30.0			
tert-Butyl alcohol	+++++ 0.8131	+++++ 0.8166	0.7753	0.7641	0.8288	Ave		0.7996				3.5		30.0			
trans-1,2-Dichloroethene	+++++ 0.8336	0.8179 0.8266	0.9140 0.7776	0.8887	0.8460	Ave		0.8435				5.4		30.0			
Methyl tert-butyl ether	+++++ 1.4767	1.4544 1.4806	1.5215 1.4081	1.5706	1.4837	Ave		1.4851				3.4		30.0			
Acrylonitrile	+++++ 0.2749	+++++ 0.2779	0.2708 0.2799	0.2889	0.2848	Ave		0.2795				2.4		30.0			
n-Hexane	+++++ 0.6360	0.6468 0.6452	0.5920 0.6168	0.6624	0.6388	Ave		0.6340				3.6		30.0			
1,1-Dichloroethane	1.3244 1.0409	0.9797 1.0393	1.1038 0.9970	1.0823	1.0516	Ave		1.0774				10.0		30.0			
Vinyl acetate	+++++ 0.8823	+++++ 0.8970	0.9242	0.8966	0.8575	Ave		0.8915				2.7		30.0			
cis-1,2-Dichloroethene	+++++ 0.7983	0.8938 0.7843	0.8567 0.7530	0.8364	0.7979	Ave		0.8172				5.9		30.0			
Methyl Ethyl Ketone	+++++ 0.2163	+++++ 0.2159	0.2964 0.2221	0.2284	0.2141	Ave		0.2322				13.7		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.: 200-15693-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

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								
Ethyl acetate	++++ 0.0364	++++ 0.0370	0.0389	0.0377	0.0368	Ave		0.0374				2.6		30.0			
Tetrahydrofuran	++++ 0.0712	++++ 0.0719	0.0661	0.0784	0.0765	Ave		0.0728				6.6		30.0			
Chloroform	++++ 1.8477	1.9654 1.7962	1.9993 1.7725	1.9531	1.8472	Ave		1.8831				4.7		30.0			
1,1,1-Trichloroethane	++++ 0.3825	0.3903 0.3822	0.4653 0.3327	0.4311	0.4234	Ave		0.4011				10.7		30.0			
Cyclohexane	++++ 0.1600	0.1666 0.1596	0.1922 0.1403	0.1789	0.1784	Ave		0.1680				10.1		30.0			
Carbon tetrachloride	0.5710 0.4552	0.4500 0.4556	0.5275 0.4073	0.5048	0.5007	Ave		0.4840				10.7		30.0			
Benzene	++++ 0.3985	0.4666 0.3912	0.5049 0.3862	0.4400	0.4126	Ave		0.4286				10.3		30.0			
2,2,4-Trimethylpentane	++++ 0.4919	0.5335 0.4936	0.5782 0.4754	0.5402	0.5368	Ave		0.5214				6.9		30.0			
1,2-Dichloroethane	++++ 0.2028	0.2229 0.1948	0.2479 0.1978	0.2238	0.2107	Ave		0.2144				8.7		30.0			
n-Heptane	++++ 0.1623	0.1962 0.1618	0.1850 0.1607	0.1756	0.1686	Ave		0.1729				7.8		30.0			
n-Butanol	++++ 0.0435	++++ 0.0461	0.0498	0.0447	0.0478	Ave		0.0464				5.3		30.0			
Trichloroethene	0.4627 0.2587	0.2981 0.2464	0.3310 0.2454	0.3100	0.2691	Ave		0.3027				23.7		30.0			
1,2-Dichloropropane	++++ 0.1650	0.1842 0.1638	0.1967 0.1683	0.1787	0.1701	Ave		0.1753				6.9		30.0			
Methyl methacrylate	++++ 0.1318	++++ 0.1438	0.1116 0.1407	0.1431	0.1373	Ave		0.1347				9.0		30.0			
1,4-Dioxane	++++ 0.0774	++++ 0.0820	0.0680	0.0775	0.0883	Ave		0.0786				9.4		30.0			
Dibromomethane	++++ 0.2464	0.2821 0.2424	0.3100 0.2266	0.2902	0.2646	Ave		0.2660				11.2		30.0			
Bromodichloromethane	++++ 0.4854	0.4468 0.4544	0.4979 0.4599	0.5004	0.4769	Ave		0.4745				4.5		30.0			
cis-1,3-Dichloropropene	++++ 0.3095	0.3019 0.2653	0.3254 0.2750	0.2955	0.2771	Ave		0.2928				7.3		30.0			
methyl isobutyl ketone	++++ 0.2773	++++ 0.2372	0.2374 0.2325	0.2600	0.2537	Ave		0.2497				6.9		30.0			
Toluene	++++ 0.3970	0.4182 0.3348	0.4458 0.3564	0.3597	0.3480	Ave		0.3800				10.8		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.: 200-15693-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

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								
n-Octane	+++++ 0.3221	0.3743 0.2723	0.3410 0.2467	0.3023	0.2884	Ave		0.3067				14.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.2896	0.2682 0.2517	0.2768 0.2450	0.2763	0.2663	Ave		0.2677				5.7		30.0			
1,1,2-Trichloroethane	+++++ 0.1883	0.1894 0.1598	0.2062 0.1673	0.1708	0.1683	Ave		0.1786				9.2		30.0			
Tetrachloroethene	+++++ 0.3806	0.4198 0.3198	0.4557 0.3286	0.3667	0.3477	Ave		0.3741				13.2		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.1929	+++++ 0.1657	0.1569 0.1898	0.1736	0.1805	Ave		0.1766				7.9		30.0			
Dibromochloromethane	+++++ 0.4425	0.3825 0.4127	0.4153 0.4436	0.4360	0.4314	Ave		0.4234				5.1		30.0			
1,2-Dibromoethane	+++++ 0.3283	0.3519 0.2989	0.3686 0.3349	0.3779	0.3448	Ave		0.3436				7.7		30.0			
Chlorobenzene	+++++ 0.4778	0.6119 0.4836	0.6193 0.4950	0.5565	0.4998	Ave		0.5348				11.4		30.0			
Ethylbenzene	+++++ 0.7212	0.8026 0.7290	0.8296 0.7382	0.7809	0.7416	Ave		0.7633				5.4		30.0			
n-Nonane	+++++ 0.2330	0.3843 0.2389	0.2609 0.2292	0.2325	0.2632	Ave		0.2631				21.0		30.0			
m,p-Xylene	+++++ 0.2862	0.3291 0.2928	0.3553 0.2808	0.2970	0.3027	Ave		0.3063				8.7		30.0			
Xylene, o-	+++++ 0.3130	0.3283 0.3010	0.3608 0.3229	0.3151	0.3656	Ave		0.3295				7.5		30.0			
Styrene	+++++ 0.4036	0.3246 0.3897	0.3588 0.4441	0.3806	0.4457	Ave		0.3925				11.2		30.0			
Bromoform	+++++ 0.3497	0.2684 0.3317	0.3266 0.3678	0.3300	0.3799	Ave		0.3363				10.7		30.0			
Cumene	+++++ 0.9337	0.9229 0.8578	1.0831 0.9977	0.8830	1.0137	Ave		0.9560				8.3		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.4314	0.4066 0.3910	0.5089 0.4616	0.3996	0.4811	Ave		0.4400				10.2		30.0			
1,2,3-Trichloropropane	+++++ 0.2992	+++++ 0.2762	0.3607 0.3304	0.2973	0.3407	Ave		0.3174				10.0		30.0			
n-Propylbenzene	+++++ 0.9859	0.9342 0.8657	1.0239 1.0142	0.8795	1.0265	Ave		0.9614				7.1		30.0			
2-Chlorotoluene	+++++ 0.6909	0.6945 0.6041	0.8148 0.6746	0.6597	0.7437	Ave		0.6975				9.6		30.0			
4-Ethyltoluene	+++++ 0.8227	0.7436 0.7283	0.8336 0.8331	0.7499	0.8793	Ave		0.7987				7.2		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.: 200-15693-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

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								
n-Decane	++++ 0.2753	++++ 0.2443	0.3018 0.2944	0.1740	0.3156	Ave		0.2676				19.5		30.0			
1,3,5-Trimethylbenzene	++++ 0.7230	++++ 0.6686	0.7018 0.7921	0.6820	0.7942	Ave		0.7388				8.0		30.0			
Alpha Methyl Styrene	++++ 0.3674	0.2034 0.3222	0.2251 0.4064	0.2772	0.3546	Ave		0.3080				24.6		30.0			
tert-Butylbenzene	++++ 0.7936	0.7766 0.6722	0.8812 0.7860	0.7058	0.8104	Ave		0.7751				8.9		30.0			
1,2,4-Trimethylbenzene	++++ 0.7408	0.6355 0.6332	0.7082 0.7626	0.6134	0.7558	Ave		0.6928				9.2		30.0			
sec-Butylbenzene	++++ 1.1041	1.0579 0.9309	1.1788 1.0867	0.9548	1.1267	Ave		1.0628				8.5		30.0			
4-Isopropyltoluene	++++ 0.8900	0.8204 0.7462	0.8675 0.8484	0.7307	0.9125	Ave		0.8308				8.4		30.0			
1,3-Dichlorobenzene	++++ 0.4268	0.4065 0.3560	0.4347 0.4302	0.3660	0.4368	Ave		0.4081				8.3		30.0			
1,4-Dichlorobenzene	++++ 0.3986	0.3720 0.3529	0.3806 0.4716	0.3293	0.3967	Ave		0.3860				11.7		30.0			
Benzyl chloride	++++ 0.4001	0.3274 0.3635	0.2848 0.5159	0.3232	0.3969	Ave		0.3731				20.2		30.0			
n-Butylbenzene	++++ 0.6450	0.5467 0.5525	0.5299 0.6914	0.4359	0.6422	Ave		0.5777				15.1		30.0			
n-Undecane	++++ 0.2187	++++ 0.1679	++++ 0.2432	0.0515	0.2438	Ave		0.1850				43.6	*	30.0			
1,2-Dichlorobenzene	++++ 0.4491	0.4361 0.3875	0.4518 0.4772	0.3919	0.4558	Ave		0.4356				7.7		30.0			
n-Dodecane	++++ 0.1194	++++ 0.0676	++++ 0.1344	0.0086	0.1475	Ave		0.0955				60.0	*	30.0			
1,2,4-Trichlorobenzene	++++ 0.1133	++++ 0.1052	0.0945 0.1558	0.0643	0.1197	Ave		0.1088				27.7		30.0			
Hexachlorobutadiene	++++ 0.2100	0.2496 0.1899	0.2758 0.1884	0.1543	0.2252	Ave		0.2133				19.2		30.0			
Naphthalene	++++ 0.3022	++++ 0.2505	0.2262 0.4040	0.1271	0.3148	Ave		0.2708				34.5	*	30.0			
1,2,3-Trichlorobenzene	++++ 0.1145	0.1153 0.0965	0.1096 0.1472	0.0644	0.1224	Ave		0.1100				23.0		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.: 200-15693-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-53355/4	gia04.d
Level 2	IC 200-53355/19	gia19.d
Level 3	IC 200-53355/6	gia06.d
Level 4	IC 200-53355/20	gia20.d
Level 5	ICIS 200-53355/8	gia08.d
Level 6	IC 200-53355/9	gia09.d
Level 7	IC 200-53355/10	gia10.d
Level 8	IC 200-53355/11	gia11.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	++++ 154800	++++ 209480	7091 412019	50439	101506	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	++++ 1080049	++++ 1466145	37591 2746117	362230	727989	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	++++ 473234	++++ 644582	17049 1216017	156205	315343	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1018006	13267 1440514	35170 2558901	344505	688105	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	++++ 213750	++++ 306730	7966 569135	69696	143969	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	++++ 309625	++++ 427853	10070 812570	101182	205668	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	1181 282245	3601 387556	9870 736367	93374	190605	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	++++ 172866	1658 239995	5405 453174	56341	112665	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	++++ 398270	5533 548055	14059 1012744	136056	267355	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	++++ 124750	++++ 162831	4957 313009	40550	87428	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	++++ 231233	2891 321923	8741 614685	77452	168286	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 406698	5188 548326	15565 1064947	134436	313302	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	++++ 1196104	15677 1582195	43159 3064045	403876	910307	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Pentane	BCM	Ave	++++ 340079	++++ 455004	10347 912223	110437	250095	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Ethanol	BCM	Ave	++++ 98335	++++ 216961	23242 499848	53150	81852	++++ 20.0	++++ 40.0	5.00 100	10.0	15.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-15693-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

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
Ethyl ether	BCM	Ave	++++ 140666	1635 188247	4669 387766	46930	101370	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	++++ 77767	3834 105388	220140	24384	55070	++++ 15.0	++++ 20.0	40.0	5.00	10.0
Freon TF	BCM	Ave	++++ 760660	9517 1010454	25809 1952675	255438	573009	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	++++ 312147	3834 415152	10560 801561	104507	236353	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	++++ 314203	++++ 423138	851671	105931	230273	++++ 15.0	++++ 20.0	40.0	5.00	10.0
Carbon disulfide	BCM	Ave	++++ 908956	++++ 1210614	31636 2409182	302843	620947	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	++++ 238902	++++ 321845	625855	71509	155985	++++ 15.0	++++ 20.0	40.0	5.00	10.0
3-Chloropropene	BCM	Ave	++++ 253043	3038 341321	7822 706298	87981	171703	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	++++ 148685	++++ 203511	388288	39940	90538	++++ 15.0	++++ 20.0	40.0	5.00	10.0
Methylene Chloride	BCM	Ave	++++ 279881	++++ 373080	10564 739781	93444	185231	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	++++ 414728	++++ 555999	1096601	122015	271848	++++ 15.0	++++ 20.0	40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	++++ 425178	5278 562823	14695 1099857	141905	277483	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	++++ 753168	9385 1008108	24462 1991611	250804	486679	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	++++ 140228	++++ 189218	4353 395941	46135	93423	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Hexane	BCM	Ave	++++ 324360	4174 439291	9518 872381	105766	209542	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	1766 530910	6322 707650	17746 1410155	172826	344934	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	++++ 450014	++++ 610751	1307219	143177	281268	++++ 15.0	++++ 20.0	40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	++++ 407166	5768 534046	13774 1065012	133557	261705	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	++++ 110325	++++ 147004	4766 314088	36477	70236	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	++++ 18586	++++ 25165	55063	6019	12072	++++ 15.0	++++ 20.0	40.0	5.00	10.0
Tetrahydrofuran	DFB	Ave	++++ 215847	++++ 289591	611330	70385	140040	++++ 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.: 200-15693-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

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
Chloroform	BCM	Ave	++++ 942395	12683 1223043	32143 2507012	311880	605891	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	++++ 1159755	14626 1539320	39578 3075962	387029	774793	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	++++ 485142	6243 642638	16348 1296968	160588	326561	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	4574 1380306	16862 1834819	44870 3765200	453193	916369	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	++++ 1208230	17484 1575290	42948 3570394	394981	755064	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	++++ 1491580	19994 1987583	49185 4395047	484951	982386	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	++++ 614895	8352 784303	21086 1828440	200932	385632	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	++++ 492095	7352 651670	15740 1485893	157655	308515	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	++++ 131980	++++ 185822	459949	40101	87509	++++ 15.0	++++ 20.0	40.0	5.00	10.0
Trichloroethene	DFB	Ave	3707 784285	11171 992438	28159 2269025	278271	492519	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	++++ 500225	6904 659691	16735 1555845	160397	311260	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	++++ 399639	++++ 579076	9493 1300880	128440	251271	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	++++ 234580	++++ 330037	628926	69558	161563	++++ 15.0	++++ 20.0	40.0	5.00	10.0
Dibromomethane	DFB	Ave	++++ 747261	10570 976000	26370 2094473	260557	484261	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	++++ 1471822	16742 1829948	42349 4251725	449188	872696	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	++++ 938557	11314 1068287	27680 2542410	265254	507102	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
methyl isobutyl ketone	DFB	Ave	++++ 840871	++++ 955412	20191 2148937	233381	464236	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	++++ 1396008	18274 1629964	42307 3439202	404866	764617	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	++++ 976618	14027 1096478	29010 2280860	271370	527739	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	++++ 878078	10050 1013643	23542 2264478	248069	487428	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	++++ 662202	8277 777819	19568 1614745	192286	369732	++++ 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.: 200-15693-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

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	++++ 1338303	18340 1556983	43247 3171142	412725	763812	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 678155	++++ 806581	14891 1832078	195385	396452	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	++++ 1555739	16711 2009358	39411 4280722	490691	947690	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	++++ 1154350	15374 1455043	34978 3232578	425314	757497	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	++++ 1680080	26734 2354200	58777 4777232	626292	1098106	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	++++ 2535770	35066 3548888	78736 7124171	878902	1629241	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	++++ 819128	16789 1162983	24762 2211578	261645	578136	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m,p-Xylene	CBZ	Ave	++++ 2012360	28756 2851037	67445 5420663	668461	1330015	++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
Xylene, o-	CBZ	Ave	++++ 1100687	14344 1465346	34243 3116311	354697	803282	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	++++ 1419171	14184 1897251	34052 4286418	428318	979233	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	++++ 1229486	11728 1614761	30995 3549222	371395	834540	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	++++ 3283146	40324 4176229	102787 9628345	993804	2226953	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	++++ 1516869	17764 1903682	48293 4455150	449731	1056917	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	++++ 1051860	++++ 1344618	34230 3189122	334596	748575	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	++++ 3466609	40818 4214664	97176 9788291	989823	2255088	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	++++ 2429146	30343 2941079	77329 6510419	742538	1633958	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	++++ 2892898	32490 3545619	79113 8040643	844054	1931865	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	++++ 967988	++++ 1189231	28644 2841002	195854	693293	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	++++ 2542258	30662 3254922	76839 7644814	767554	1744780	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Alpha Methyl Styrene	CBZ	Ave	++++ 1291928	8885 1568774	21361 3922590	311942	778951	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butylbenzene	CBZ	Ave	++++ 2790327	33933 3272320	83626 7585737	794352	1780351	++++ 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.: 200-15693-1 Analy Batch No.: 53355

SDG No.: _____

Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2013 17:53 Calibration End Date: 03/24/2013 14:13 Calibration ID: 20860

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
1,2,4-Trimethylbenzene	CBZ	Ave	++++ 2604766	27765 3082403	67210 7360100	690397	1660475	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	++++ 3882236	46221 4531928	111870 10487522	1074649	2475326	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	++++ 3129548	35847 3632935	82325 8187922	822434	2004753	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	++++ 1500640	17763 1732896	41254 4151730	411876	959653	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	++++ 1401697	16255 1717899	36121 4551837	370677	871479	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	++++ 1406799	14306 1769436	27026 4978868	363725	871891	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	++++ 2268050	23888 2689886	50289 6672429	490552	1410831	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Undecane	CBZ	Ave	++++ 769125	++++ 817485	++++ 2346694	58014	535649	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	++++ 1579113	19056 1886412	42880 4605539	441040	1001339	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	++++ 420000	++++ 328929	++++ 1296795	9634	324132	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 398472	++++ 512232	8973 1503231	72320	262901	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	++++ 738354	10907 924644	26170 1818570	173643	494742	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	++++ 1062712	++++ 1219451	21464 3898847	143088	691639	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	++++ 402684	5039 470003	10405 1420767	72511	268808	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

Curve Type Legend:

Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-15693-1
 SDG No.: _____
 Lab Sample ID: ICV 200-53428/3 Calibration Date: 03/25/2013 12:48
 Instrument ID: G.i Calib Start Date: 03/23/2013 17:53
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/24/2013 14:13
 Lab File ID: giaa03.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.3281	0.3196		9.74	10.0	-2.6	30.0
Dichlorodifluoromethane	Ave	2.173	2.273		10.5	10.0	4.6	30.0
Freon 22	Ave	0.9557	0.999		10.4	10.0	4.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.060	2.129		10.3	10.0	3.4	30.0
Chloromethane	Ave	0.4405	0.4508		10.2	10.0	2.4	30.0
n-Butane	Ave	0.6162	0.6400		10.4	10.0	3.9	30.0
Vinyl chloride	Ave	0.6083	0.5970		9.81	10.0	-1.9	30.0
1,3-Butadiene	Ave	0.3287	0.3754		11.4	10.0	14.2	30.0
Bromomethane	Ave	0.8144	0.8129		9.98	10.0	-0.2	30.0
Chloroethane	Ave	0.2556	0.2687		10.5	10.0	5.1	30.0
Isopentane	Ave	0.4786	0.4889		10.2	10.0	2.1	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8464	0.8493		10.0	10.0	0.3	30.0
Trichlorofluoromethane	Ave	2.465	2.479		10.1	10.0	0.6	30.0
n-Pentane	Ave	0.6796	0.6936		10.2	10.0	2.1	30.0
Ethanol	Ave	0.1538	0.1291		12.6	15.0	-16.0	30.0
Ethyl ether	Ave	0.2819	0.2355		8.35	10.0	-16.4	30.0
Acrolein	Ave	0.1567	0.1172		7.48	10.0	-25.2	30.0
Freon TF	Ave	1.540	1.709		11.1	10.0	11.0	30.0
1,1-Dichloroethene	Ave	0.6306	0.7068		11.2	10.0	12.1	30.0
Acetone	Ave	0.6410	0.5354		8.35	10.0	-16.5	30.0
Carbon disulfide	Ave	1.837	1.900		10.3	10.0	3.4	30.0
Isopropyl alcohol	Ave	0.4614	0.3971		8.61	10.0	-13.9	30.0
3-Chloropropene	Ave	0.5041	0.5105		10.1	10.0	1.3	30.0
Acetonitrile	Ave	0.2782	0.2563		9.21	10.0	-7.9	30.0
Methylene Chloride	Ave	0.5711	0.6180		10.8	10.0	8.2	30.0
tert-Butyl alcohol	Ave	0.7996	0.6817		8.52	10.0	-14.7	30.0
Methyl tert-butyl ether	Ave	1.485	1.311		8.83	10.0	-11.7	30.0
trans-1,2-Dichloroethene	Ave	0.8435	0.8801		10.4	10.0	4.3	30.0
Acrylonitrile	Ave	0.2795	0.2487		8.89	10.0	-11.0	30.0
n-Hexane	Ave	0.6340	0.6677		10.5	10.0	5.3	30.0
1,1-Dichloroethane	Ave	1.077	1.088		10.4	10.0	4.4	30.0
Vinyl acetate	Ave	0.8915	0.7590		8.51	10.0	-14.9	30.0
cis-1,2-Dichloroethene	Ave	0.8172	0.8366		10.2	10.0	2.4	30.0
Methyl Ethyl Ketone	Ave	0.2322	0.1959		8.44	10.0	-15.6	30.0
Ethyl acetate	Ave	0.0374	0.0299		7.99	10.0	-20.1	30.0
Tetrahydrofuran	Ave	0.0728	0.0740		10.2	10.0	1.5	30.0
Chloroform	Ave	1.883	1.881		9.99	10.0	-0.1	30.0
1,1,1-Trichloroethane	Ave	0.4011	0.4714		11.8	10.0	17.5	30.0
Cyclohexane	Ave	0.1680	0.1983		11.8	10.0	18.0	30.0
Carbon tetrachloride	Ave	0.4840	0.5508		11.4	10.0	13.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-15693-1
 SDG No.: _____
 Lab Sample ID: ICV 200-53428/3 Calibration Date: 03/25/2013 12:48
 Instrument ID: G.i Calib Start Date: 03/23/2013 17:53
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/24/2013 14:13
 Lab File ID: giaa03.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.4286	0.4613		10.8	10.0	7.7	30.0
2,2,4-Trimethylpentane	Ave	0.5214	0.5972		11.5	10.0	14.5	30.0
1,2-Dichloroethane	Ave	0.2144	0.2283		10.6	10.0	6.5	30.0
n-Heptane	Ave	0.1729	0.1888		10.9	10.0	9.2	30.0
n-Butanol	Ave	0.0464	0.0458		9.87	10.0	-1.3	30.0
Trichloroethene	Ave	0.3027	0.3096		10.2	10.0	2.3	30.0
1,2-Dichloropropane	Ave	0.1753	0.1759		10.0	10.0	0.4	30.0
Methyl methacrylate	Ave	0.1347	0.1379		10.2	10.0	2.4	30.0
1,4-Dioxane	Ave	0.0786	0.0742		9.43	10.0	-5.7	30.0
Dibromomethane	Ave	0.2660	0.2853		10.7	10.0	7.2	30.0
Bromodichloromethane	Ave	0.4745	0.5282		11.1	10.0	11.3	30.0
cis-1,3-Dichloropropene	Ave	0.2928	0.2845		9.72	10.0	-2.8	30.0
methyl isobutyl ketone	Ave	0.2497	0.2608		10.4	10.0	4.5	30.0
Toluene	Ave	0.3800	0.3284		8.64	10.0	-13.6	30.0
n-Octane	Ave	0.3067	0.2946		9.60	10.0	-3.9	30.0
trans-1,3-Dichloropropene	Ave	0.2677	0.2748		10.3	10.0	2.7	30.0
1,1,2-Trichloroethane	Ave	0.1786	0.1510		8.45	10.0	-15.5	30.0
Tetrachloroethene	Ave	0.3741	0.3325		8.89	10.0	-11.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.1766	0.1744		9.88	10.0	-1.2	30.0
Dibromochloromethane	Ave	0.4234	0.4198		9.91	10.0	-0.8	30.0
1,2-Dibromoethane	Ave	0.3436	0.3031		8.82	10.0	-11.8	30.0
Chlorobenzene	Ave	0.5348	0.5067		9.47	10.0	-5.3	30.0
Ethylbenzene	Ave	0.7633	0.7438		9.74	10.0	-2.6	30.0
n-Nonane	Ave	0.2631	0.2476		9.41	10.0	-5.9	30.0
m,p-Xylene	Ave	0.3063	0.2936		19.2	20.0	-4.1	30.0
Xylene, o-	Ave	0.3295	0.2768		8.40	10.0	-16.0	30.0
Styrene	Ave	0.3925	0.3567		9.09	10.0	-9.1	30.0
Bromoform	Ave	0.3363	0.3295		9.80	10.0	-2.0	30.0
Cumene	Ave	0.9560	0.8060		8.43	10.0	-15.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.4400	0.3684		8.37	10.0	-16.3	30.0
1,2,3-Trichloropropane	Ave	0.3174	0.2718		8.56	10.0	-14.4	30.0
n-Propylbenzene	Ave	0.9614	0.8281		8.61	10.0	-13.9	30.0
2-Chlorotoluene	Ave	0.6975	0.6161		8.83	10.0	-11.7	30.0
4-Ethyltoluene	Ave	0.7987	0.7174		8.98	10.0	-10.2	30.0
n-Decane	Ave	0.2676	0.2320		8.67	10.0	-13.3	30.0
1,3,5-Trimethylbenzene	Ave	0.7388	0.6235		8.44	10.0	-15.6	30.0
Alpha Methyl Styrene	Ave	0.3080	0.2882		9.35	10.0	-6.5	30.0
tert-Butylbenzene	Ave	0.7751	0.6517		8.41	10.0	-15.9	30.0
1,2,4-Trimethylbenzene	Ave	0.6928	0.5858		8.45	10.0	-15.4	30.0
sec-Butylbenzene	Ave	1.063	0.9121		8.58	10.0	-14.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-15693-1
 SDG No.: _____
 Lab Sample ID: ICV 200-53428/3 Calibration Date: 03/25/2013 12:48
 Instrument ID: G.i Calib Start Date: 03/23/2013 17:53
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/24/2013 14:13
 Lab File ID: giaa03.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	0.8308	0.7434		8.95	10.0	-10.5	30.0
1,3-Dichlorobenzene	Ave	0.4081	0.3430		8.40	10.0	-16.0	30.0
1,4-Dichlorobenzene	Ave	0.3860	0.3193		8.27	10.0	-17.3	30.0
Benzyl chloride	Ave	0.3731	0.3477		9.32	10.0	-6.8	30.0
n-Butylbenzene	Ave	0.5777	0.5380		9.31	10.0	-6.9	30.0
n-Undecane	Ave	0.1850	0.1906		10.3	10.0	3.0	30.0
1,2-Dichlorobenzene	Ave	0.4356	0.3600		8.26	10.0	-17.4	30.0
n-Dodecane	Ave	0.0955	0.0956		10.0	10.0	0.0	30.0
1,2,4-Trichlorobenzene	Ave	0.1088	0.1170		10.7	10.0	7.5	30.0
Hexachlorobutadiene	Ave	0.2133	0.2140		10.0	10.0	0.3	30.0
Naphthalene	Ave	0.2708	0.3369		12.4	10.0	24.4	30.0
1,2,3-Trichlorobenzene	Ave	0.1100	0.1327		12.1	10.0	20.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-15693-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-53546/2 Calibration Date: 03/27/2013 12:46
 Instrument ID: G.i Calib Start Date: 03/23/2013 17:53
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/24/2013 14:13
 Lab File ID: giac02.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.3281	0.3409		10.4	10.0	3.9	30.0
Dichlorodifluoromethane	Ave	2.173	2.412		11.1	10.0	11.0	30.0
Freon 22	Ave	0.9557	1.051		11.0	10.0	10.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.060	2.262		11.0	10.0	9.8	30.0
Chloromethane	Ave	0.4405	0.4741		10.8	10.0	7.6	30.0
n-Butane	Ave	0.6162	0.6688		10.9	10.0	8.5	30.0
Vinyl chloride	Ave	0.6083	0.6173		10.1	10.0	1.5	30.0
1,3-Butadiene	Ave	0.3287	0.3860		11.7	10.0	17.4	30.0
Bromomethane	Ave	0.8144	0.8821		10.8	10.0	8.3	30.0
Chloroethane	Ave	0.2556	0.2977		11.6	10.0	16.5	30.0
Isopentane	Ave	0.4786	0.5603		11.7	10.0	17.1	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8464	0.8904		10.5	10.0	5.2	30.0
Trichlorofluoromethane	Ave	2.465	2.616		10.6	10.0	6.1	30.0
n-Pentane	Ave	0.6796	0.7277		10.7	10.0	7.1	30.0
Ethanol	Ave	0.1538	0.1717		16.8	15.0	11.7	30.0
Ethyl ether	Ave	0.2819	0.3046		10.8	10.0	8.1	30.0
Acrolein	Ave	0.1567	0.1640		10.5	10.0	4.6	30.0
Freon TF	Ave	1.540	1.634		10.6	10.0	6.0	30.0
1,1-Dichloroethene	Ave	0.6306	0.6655		10.6	10.0	5.5	30.0
Acetone	Ave	0.6410	0.7285		11.4	10.0	13.6	30.0
Carbon disulfide	Ave	1.837	1.977		10.8	10.0	7.6	30.0
Isopropyl alcohol	Ave	0.4614	0.5318		11.5	10.0	15.3	30.0
3-Chloropropene	Ave	0.5041	0.5916		11.7	10.0	17.4	30.0
Acetonitrile	Ave	0.2782	0.2781		9.99	10.0	-0.0	30.0
Methylene Chloride	Ave	0.5711	0.6055		10.6	10.0	6.0	30.0
tert-Butyl alcohol	Ave	0.7996	0.9170		11.5	10.0	14.7	30.0
Methyl tert-butyl ether	Ave	1.485	1.596		10.7	10.0	7.5	30.0
trans-1,2-Dichloroethene	Ave	0.8435	0.9024		10.7	10.0	7.0	30.0
Acrylonitrile	Ave	0.2795	0.3004		10.7	10.0	7.4	30.0
n-Hexane	Ave	0.6340	0.6883		10.9	10.0	8.6	30.0
1,1-Dichloroethane	Ave	1.077	1.132		10.9	10.0	8.6	30.0
Vinyl acetate	Ave	0.8915	0.9468		10.6	10.0	6.2	30.0
cis-1,2-Dichloroethene	Ave	0.8172	0.8377		10.2	10.0	2.5	30.0
Methyl Ethyl Ketone	Ave	0.2322	0.2379		10.2	10.0	2.4	30.0
Ethyl acetate	Ave	0.0374	0.0380		10.2	10.0	1.6	30.0
Tetrahydrofuran	Ave	0.0728	0.0829		11.4	10.0	13.9	30.0
Chloroform	Ave	1.883	1.976		10.5	10.0	4.9	30.0
1,1,1-Trichloroethane	Ave	0.4011	0.4493		11.2	10.0	12.0	30.0
Cyclohexane	Ave	0.1680	0.1854		11.0	10.0	10.3	30.0
Carbon tetrachloride	Ave	0.4840	0.5234		10.8	10.0	8.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-15693-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-53546/2 Calibration Date: 03/27/2013 12:46
 Instrument ID: G.i Calib Start Date: 03/23/2013 17:53
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/24/2013 14:13
 Lab File ID: giac02.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.4286	0.4581		10.7	10.0	6.9	30.0
2,2,4-Trimethylpentane	Ave	0.5214	0.5753		11.0	10.0	10.3	30.0
1,2-Dichloroethane	Ave	0.2144	0.2325		10.8	10.0	8.5	30.0
n-Heptane	Ave	0.1729	0.1875		10.8	10.0	8.4	30.0
n-Butanol	Ave	0.0464	0.0525		11.3	10.0	13.1	30.0
Trichloroethene	Ave	0.3027	0.2945		9.73	10.0	-2.7	30.0
1,2-Dichloropropane	Ave	0.1753	0.1898		10.8	10.0	8.3	30.0
Methyl methacrylate	Ave	0.1347	0.1551		11.5	10.0	15.1	30.0
1,4-Dioxane	Ave	0.0786	0.0985		12.5	10.0	25.2	30.0
Dibromomethane	Ave	0.2660	0.2759		10.4	10.0	3.7	30.0
Bromodichloromethane	Ave	0.4745	0.5369		11.3	10.0	13.2	30.0
cis-1,3-Dichloropropene	Ave	0.2928	0.3115		10.6	10.0	6.4	30.0
methyl isobutyl ketone	Ave	0.2497	0.2791		11.2	10.0	11.8	30.0
Toluene	Ave	0.3800	0.3928		10.3	10.0	3.4	30.0
n-Octane	Ave	0.3067	0.3159		10.3	10.0	3.0	30.0
trans-1,3-Dichloropropene	Ave	0.2677	0.2961		11.1	10.0	10.6	30.0
1,1,2-Trichloroethane	Ave	0.1786	0.1920		10.7	10.0	7.5	30.0
Tetrachloroethene	Ave	0.3741	0.3809		10.2	10.0	1.8	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.1766	0.1980		11.2	10.0	12.1	30.0
Dibromochloromethane	Ave	0.4234	0.4755		11.2	10.0	12.3	30.0
1,2-Dibromoethane	Ave	0.3436	0.3602		10.5	10.0	4.8	30.0
Chlorobenzene	Ave	0.5348	0.5330		9.96	10.0	-0.3	30.0
Ethylbenzene	Ave	0.7633	0.8180		10.7	10.0	7.2	30.0
n-Nonane	Ave	0.2631	0.2717		10.3	10.0	3.2	30.0
m,p-Xylene	Ave	0.3063	0.3204		20.9	20.0	4.6	30.0
Xylene, o-	Ave	0.3295	0.3483		10.6	10.0	5.7	30.0
Styrene	Ave	0.3925	0.4390		11.2	10.0	11.9	30.0
Bromoform	Ave	0.3363	0.3851		11.4	10.0	14.5	30.0
Cumene	Ave	0.9560	0.9876		10.3	10.0	3.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.4400	0.4697		10.7	10.0	6.7	30.0
1,2,3-Trichloropropane	Ave	0.3174	0.3331		10.5	10.0	4.9	30.0
n-Propylbenzene	Ave	0.9614	1.022		10.6	10.0	6.3	30.0
2-Chlorotoluene	Ave	0.6975	0.7419		10.6	10.0	6.4	30.0
4-Ethyltoluene	Ave	0.7987	0.8609		10.8	10.0	7.8	30.0
n-Decane	Ave	0.2676	0.3054		11.4	10.0	14.1	30.0
1,3,5-Trimethylbenzene	Ave	0.7388	0.7949		10.8	10.0	7.6	30.0
Alpha Methyl Styrene	Ave	0.3080	0.3395		11.0	10.0	10.2	30.0
tert-Butylbenzene	Ave	0.7751	0.7914		10.2	10.0	2.1	30.0
1,2,4-Trimethylbenzene	Ave	0.6928	0.7488		10.8	10.0	8.1	30.0
sec-Butylbenzene	Ave	1.063	1.130		10.6	10.0	6.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-15693-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-53546/2 Calibration Date: 03/27/2013 12:46
 Instrument ID: G.i Calib Start Date: 03/23/2013 17:53
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/24/2013 14:13
 Lab File ID: giac02.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	0.8308	0.9495		11.4	10.0	14.3	30.0
1,3-Dichlorobenzene	Ave	0.4081	0.4512		11.1	10.0	10.6	30.0
1,4-Dichlorobenzene	Ave	0.3860	0.4307		11.2	10.0	11.6	30.0
Benzyl chloride	Ave	0.3731	0.4398		11.8	10.0	17.9	30.0
n-Butylbenzene	Ave	0.5777	0.7500		13.0	10.0	29.8	30.0
n-Undecane	Ave	0.1850	0.2776		15.0	10.0	50.0*	30.0
1,2-Dichlorobenzene	Ave	0.4356	0.5198		11.9	10.0	19.3	30.0
n-Dodecane	Ave	0.0955	0.1461		15.3	10.0	52.9*	30.0
1,2,4-Trichlorobenzene	Ave	0.1088	0.1241		11.4	10.0	14.1	30.0
Hexachlorobutadiene	Ave	0.2133	0.2456		11.5	10.0	15.1	30.0
Naphthalene	Ave	0.2708	0.3369		12.4	10.0	24.4	30.0
1,2,3-Trichlorobenzene	Ave	0.1100	0.1318		12.0	10.0	19.8	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-15693-1

SDG No.: _____

Instrument ID: G.iStart Date: 03/23/2013 14:52Analysis Batch Number: 53355End Date: 03/24/2013 15:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-53355/1		03/23/2013 14:52	1	gia01.d	RTX-624 0.32 (mm)
VIBLK 200-53355/2		03/23/2013 16:12	1		RTX-624 0.32 (mm)
VIBLK 200-53355/3		03/23/2013 17:03	1		RTX-624 0.32 (mm)
IC 200-53355/4		03/23/2013 17:53	1	gia04.d	RTX-624 0.32 (mm)
ZZZZZ		03/23/2013 18:43	1		RTX-624 0.32 (mm)
IC 200-53355/6		03/23/2013 19:33	1	gia06.d	RTX-624 0.32 (mm)
ZZZZZ		03/23/2013 20:24	1		RTX-624 0.32 (mm)
ICIS 200-53355/8		03/23/2013 21:15	1	gia08.d	RTX-624 0.32 (mm)
IC 200-53355/9		03/23/2013 22:05	1	gia09.d	RTX-624 0.32 (mm)
IC 200-53355/10		03/23/2013 22:56	1	gia10.d	RTX-624 0.32 (mm)
IC 200-53355/11		03/23/2013 23:46	1	gia11.d	RTX-624 0.32 (mm)
VIBLK 200-53355/12		03/24/2013 00:36	1		RTX-624 0.32 (mm)
VIBLK 200-53355/13		03/24/2013 01:26	1		RTX-624 0.32 (mm)
ICV 200-53355/14		03/24/2013 02:16	1		RTX-624 0.32 (mm)
ICV 200-53355/15		03/24/2013 03:07	1		RTX-624 0.32 (mm)
ICV 200-53355/16		03/24/2013 03:57	1		RTX-624 0.32 (mm)
VIBLK 200-53355/17		03/24/2013 04:48	1		RTX-624 0.32 (mm)
ZZZZZ		03/24/2013 12:31	1		RTX-624 0.32 (mm)
IC 200-53355/19		03/24/2013 13:22	1	gia19.d	RTX-624 0.32 (mm)
IC 200-53355/20		03/24/2013 14:13	1	gia20.d	RTX-624 0.32 (mm)
VIBLK 200-53355/21		03/24/2013 15:04	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-15693-1

SDG No.: _____

Instrument ID: G.iStart Date: 03/25/2013 10:54Analysis Batch Number: 53428End Date: 03/26/2013 08:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-53428/1		03/25/2013 10:54	1	giaa01.d	RTX-624 0.32 (mm)
CCVIS 200-53428/2		03/25/2013 11:52	1		RTX-624 0.32 (mm)
ICV 200-53428/3		03/25/2013 12:48	1	giaa03.d	RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 13:39	1		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 14:29	1		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 15:19	20		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 16:09	4		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 17:00	1		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 17:51	1		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 18:42	1		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 19:33	262		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 20:23	1		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 21:14	1		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 22:04	3.51		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 22:55	1		RTX-624 0.32 (mm)
ZZZZZ		03/25/2013 23:45	1		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 00:35	1		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 01:26	1		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 02:17	1		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 03:08	2		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 03:58	1		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 04:48	4		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 05:38	1		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 06:28	2		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 07:19	1		RTX-624 0.32 (mm)
ZZZZZ		03/26/2013 08:45	0.2		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-15693-1

SDG No.: _____

Instrument ID: G.iStart Date: 03/27/2013 12:05Analysis Batch Number: 53546End Date: 03/28/2013 10:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-53546/1		03/27/2013 12:05	1	giac01.d	RTX-624 0.32 (mm)
CCVIS 200-53546/2		03/27/2013 12:46	1	giac02.d	RTX-624 0.32 (mm)
LCS 200-53546/3		03/27/2013 13:36	1	giac03.d	RTX-624 0.32 (mm)
MB 200-53546/4		03/27/2013 14:26	1	giac04.d	RTX-624 0.32 (mm)
200-15693-7	5159	03/27/2013 15:22	0.2	giac05.d	RTX-624 0.32 (mm)
ZZZZZ		03/27/2013 16:12	168.3		RTX-624 0.32 (mm)
ZZZZZ		03/27/2013 17:03	1		RTX-624 0.32 (mm)
ZZZZZ		03/27/2013 17:53	1		RTX-624 0.32 (mm)
ZZZZZ		03/27/2013 18:44	1		RTX-624 0.32 (mm)
ZZZZZ		03/27/2013 19:34	1		RTX-624 0.32 (mm)
ZZZZZ		03/27/2013 20:25	1		RTX-624 0.32 (mm)
ZZZZZ		03/27/2013 21:17	1		RTX-624 0.32 (mm)
ZZZZZ		03/27/2013 22:07	1		RTX-624 0.32 (mm)
ZZZZZ		03/27/2013 22:57	1		RTX-624 0.32 (mm)
ZZZZZ		03/27/2013 23:47	1		RTX-624 0.32 (mm)
ZZZZZ		03/28/2013 00:38	1		RTX-624 0.32 (mm)
ZZZZZ		03/28/2013 01:29	1		RTX-624 0.32 (mm)
ZZZZZ		03/28/2013 02:19	1		RTX-624 0.32 (mm)
ZZZZZ		03/28/2013 03:10	1		RTX-624 0.32 (mm)
ZZZZZ		03/28/2013 04:01	6		RTX-624 0.32 (mm)
ZZZZZ		03/28/2013 04:51	6		RTX-624 0.32 (mm)
ZZZZZ		03/28/2013 05:41	40		RTX-624 0.32 (mm)
ZZZZZ		03/28/2013 06:32	1		RTX-624 0.32 (mm)
ZZZZZ		03/28/2013 07:23	1		RTX-624 0.32 (mm)
ZZZZZ		03/28/2013 08:13	57.7		RTX-624 0.32 (mm)
ZZZZZ		03/28/2013 09:04	1		RTX-624 0.32 (mm)
ZZZZZ		03/28/2013 09:55	1		RTX-624 0.32 (mm)
ZZZZZ		03/28/2013 10:52	0.2		RTX-624 0.32 (mm)

GC/MS Air Instrument Run Log

Sequence	Target Batch ID: 67A	Start Date: 3/23/13	Time: 1452	Standard Traceability	Instrument Information
	Test Method: T015	End Date: 3/24/13	Time: 1452	ISTD Container ID: 248062	Instrument ID: G
	ICAL Date:			CCV Container ID: see comments	Instrument: 5973
	Analyst / Supervisor Signature(s):	Insert signature when specified as project requirement. Otherwise leave this section blank.			Column Type: RTX-624

Sequence Information				Individual Sample Review			
Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator
1452	67A 01	N/A	BEB	N/A	1	200	BL
1703	02	4632	VEBLK		1	200	
1753	03	4304	IC-08		1	200	
1843	04	4304	Not Used		2	40	
1933	05	4304	IC-02		2	200	
2024	06	3535	IC-02		3	200	
2115	07	—	Not Used		4	200	
2205	08	4299	IC-04		5	200	
2256	09	3093	IC-05		6	200	
2346	10	3159	IC-06		7	200	
0036	11	5015	IC-07		8	200	
0126	12	4632	VEBLK		1	200	
0216	13	—	Not Used		1	200	
0307	14	—	Not Used		9	200	
0357	15	—	Not Used		10	200	
0448	16	—	Not Used		11	200	
0531	17	4632	VEBLK		1	200	
1322	18	4299	Not Used		3	200	
1413	19	4548	IC-01		2	200	
1504	20	3558	IC-03		9	200	
	21	4632	VEBLK		1	200	

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓ = Low • ✓=Reviewed and Acceptable

BRFAI031:05.24.12:4
Test/America Burlington

GC/MS Air Instrument Run Log

Sequence	Standard Traceability	Instrument Information
Target Batch ID: <u>61AC</u>	ISTD Container ID: <u>248062</u>	Instrument ID: <u>G</u>
Test Method: <u>TO15</u>	CCV Container ID: <u>474906</u>	Instrument: <u>5973</u>
ICAL Date: <u>3/23/13</u>	ICV/LCS Container ID: <u>472117</u>	Column Type: <u>RTX-624</u>
Analyst/Supervisor Signature(s): <u>Insert signature when specified as project requirement. Otherwise leave this section blank.</u>		

Sequence Information				Individual Sample Review				Comments
Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	
1205	61AC 01	N/A	N/A	N/A	1	200	BL	✓
1246	02	1	0015	1	2	200	BL	✓
1236	03	1	0015	1	3	200	BL	✓
1426	04	1	MB	1	4	1000	BL	✓
1522	05	5159	15643-07	0.2	5	200	BL	✓
1612	06	3760	15537-01	168.3	6	200	BL	✓
1703	07	3334	15629-03	1	7	200	BL	✓
1753	08	3349	15630-09	1	8	200	BL	✓
1844	09	4336	-11	1	9	200	BL	✓
1934	10	5140	-12	1	10	200	BL	✓
2025	11	2852	-14	1	11	200	BL	✓
2117	12	4925	-15	1	12	200	BL	✓
2207	13	3339	-16	1	13	200	BL	✓
2257	14	4935	15654-01	1	14	200	BL	✓
2347	15	3435	-02	1	15	200	BL	✓
2438	16	3606	-03	1	16	200	BL	✓
2529	17	4815	-04	1	1	200	BL	✓
2619	18	2974	-05	1	2	200	BL	✓
2710	19	5093	-06	1	3	200	BL	✓
2801	20	2620	15545-04	6	4	33	BL	✓
2851	21	4906	-06	6	5	33	BL	✓
2941	22	609	15702-01	40.0	6	100	BL	✓
3032	23	1	-02	1	7	200	BL	✓
3123	24	1	-03	1	8	200	BL	✓
3213	25	2402	15443-02	57.7	9	101	BL	✓
3304	26	3839	15721-08	1	10	200	BL	✓
3395	27	3313	15719-06	1	11	200	BL	✓
3486	28	3313	15718-09	0.2	12	1000	BL	✓

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓ = Low • ✓ = Reviewed and Acceptable

BRFAI031:05.24.12:4

TestAmerica Burlington

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Subcontract Data

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-35521-1

Login Number: 35521

List Number: 1

Creator: Gagne, Eric

List Source: TestAmerica Burlington

List Creation: 04/05/13 04:44 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	528380
Sample custody seals, if present, are intact.	True	
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.	False	Refer to Job Narrative for details.
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	False	Refer to Job Narrative for details.
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received 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	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

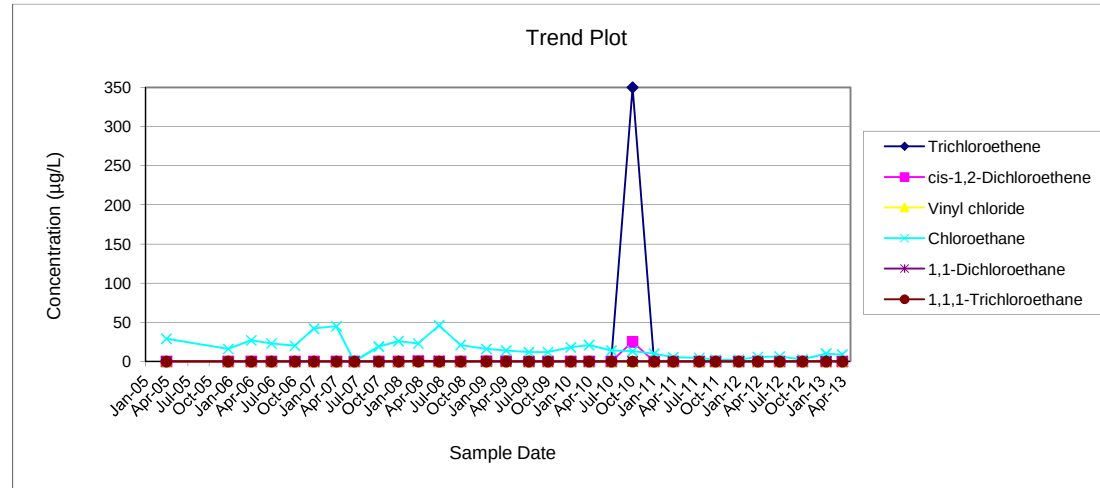
Appendix E

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
7/5/2012	<1	<1	<1	6.3	<1	<1
10/11/2012	<1	<1	<1	2.4	<1	<1
1/21/2013	0.98	<1	<1	10	<1	<1
4/1/2013	<1	<1	<1	8.8	<1	<1

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



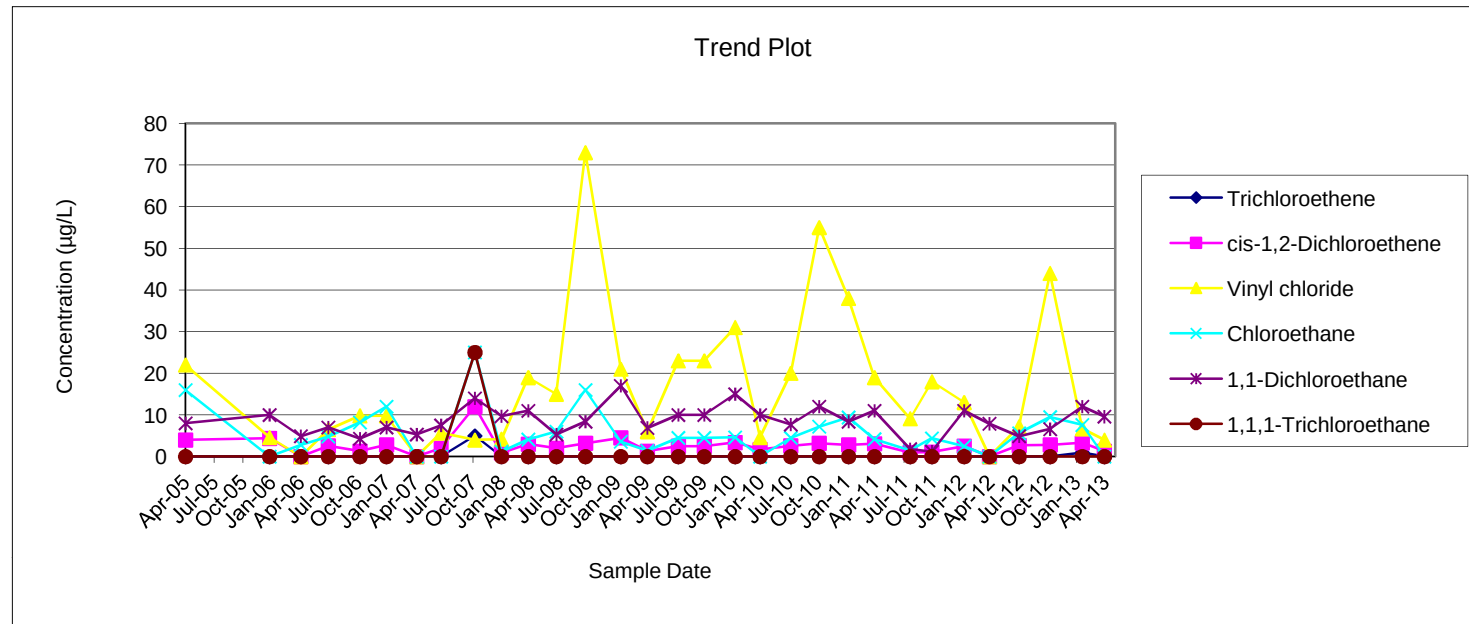
**MONITORING WELL MW-3
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**

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

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

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
7/5/2012	<1	2.7	7.2	5.6	4.9	<1
10/11/2012	<1	2.8	44	9.5	6.6	<1
1/21/2013	0.98	3.3	6.7	7.6	12	<1
4/1/2013	<1	1.3	4	<1	9.6	<1

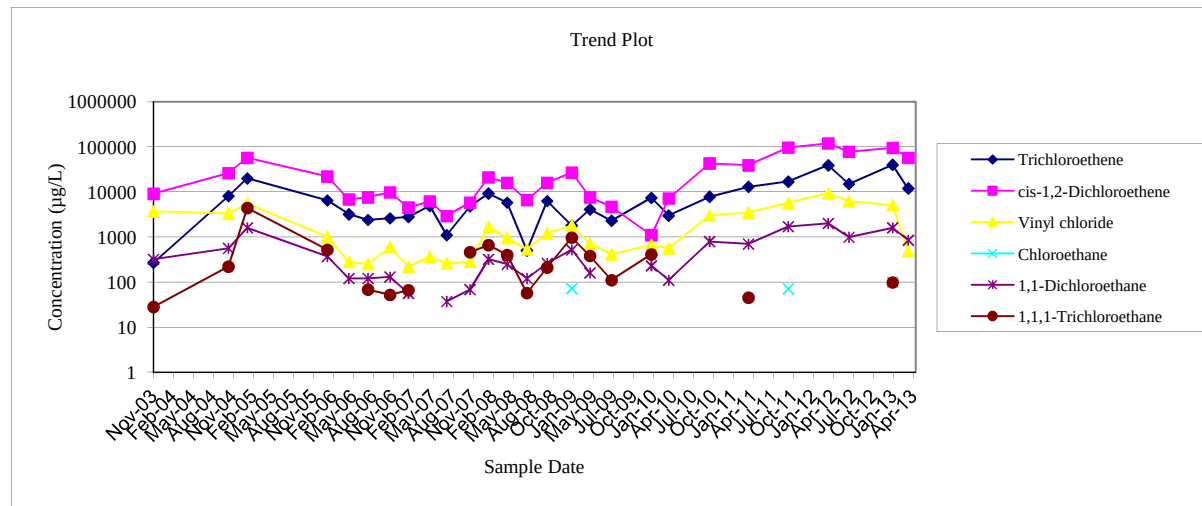
**MONITORING WELL MW-3
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**



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
7/6/2012	15,000	78,000	6,200	<1000	990	<1000
1/21/2013	40,000	95,000	5,100	100	1600	98
4/2/2013	12,000	57,000	480	<40	850	<40

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

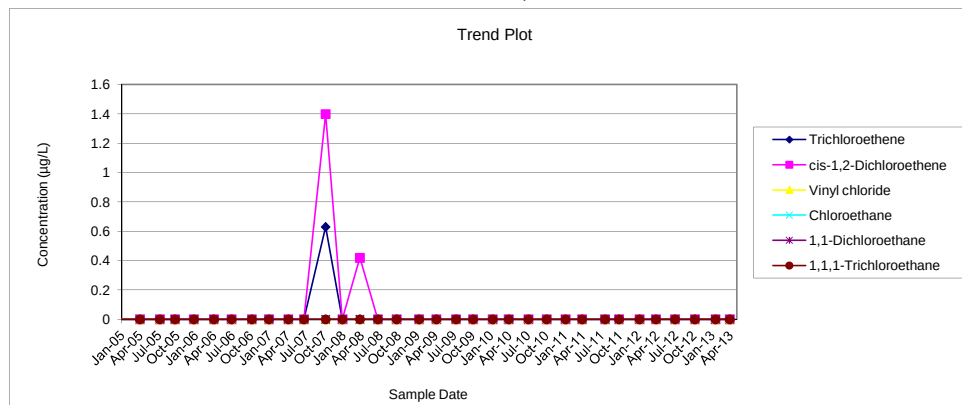


Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

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
7/5/2012	<1	<1	<1	<1	<1	<1
10/11/2012	<1	<1	<1	<1	<1	<1
1/21/2013	<1	<1	<1	<1	<1	<1
4/1/2013	<1	<1	<1	<1	<1	<1

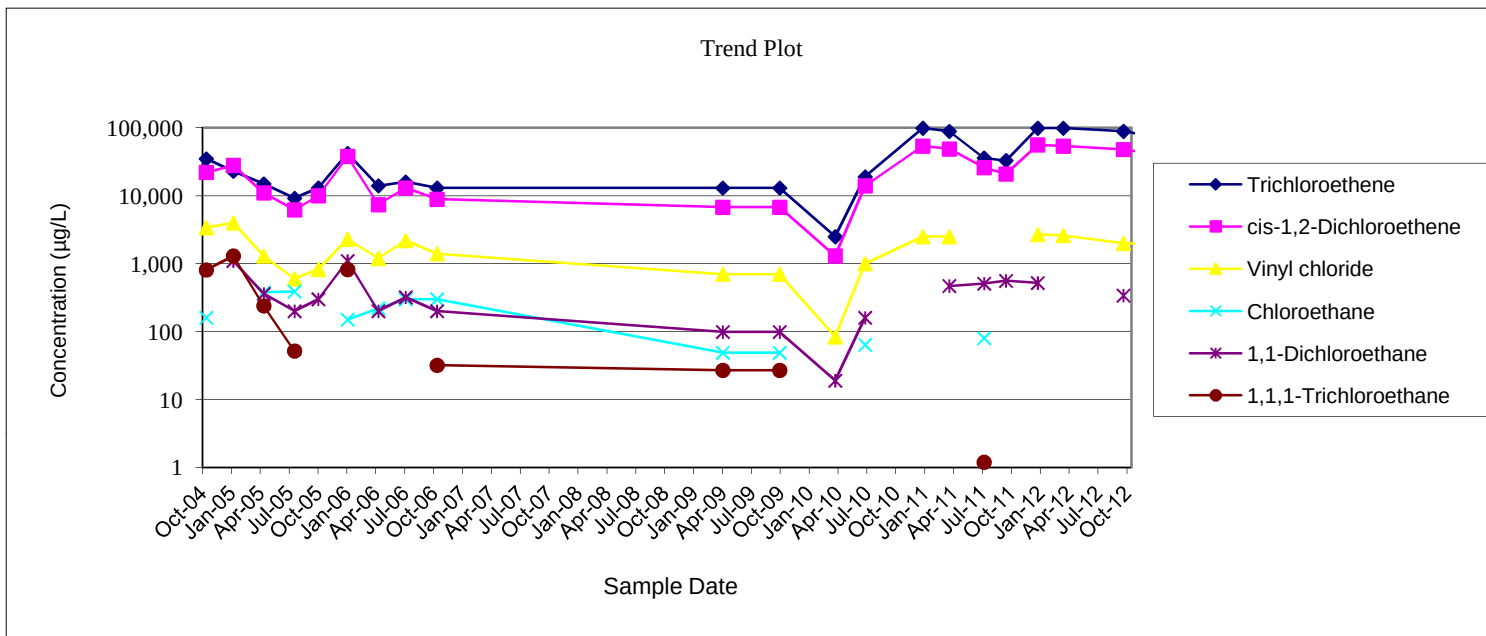
MONITORING WELL MW-6
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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
10/12/2012	89,000	48,000	2,000	<800	340	<800
4/2/2013	64,000	37,000	1,900	<1000	<1000	<1000

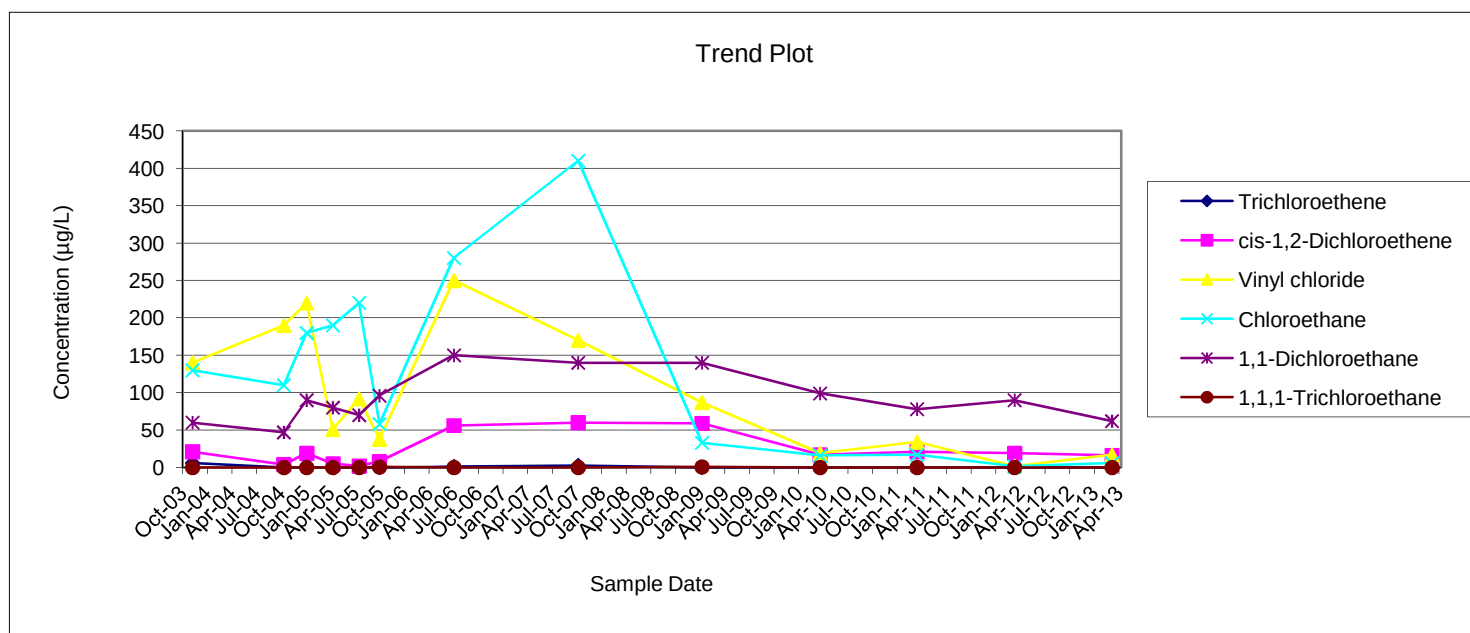
MONITORING WELL MW-8R
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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
4/1/2013	<1	16	17	5.9	62	<1

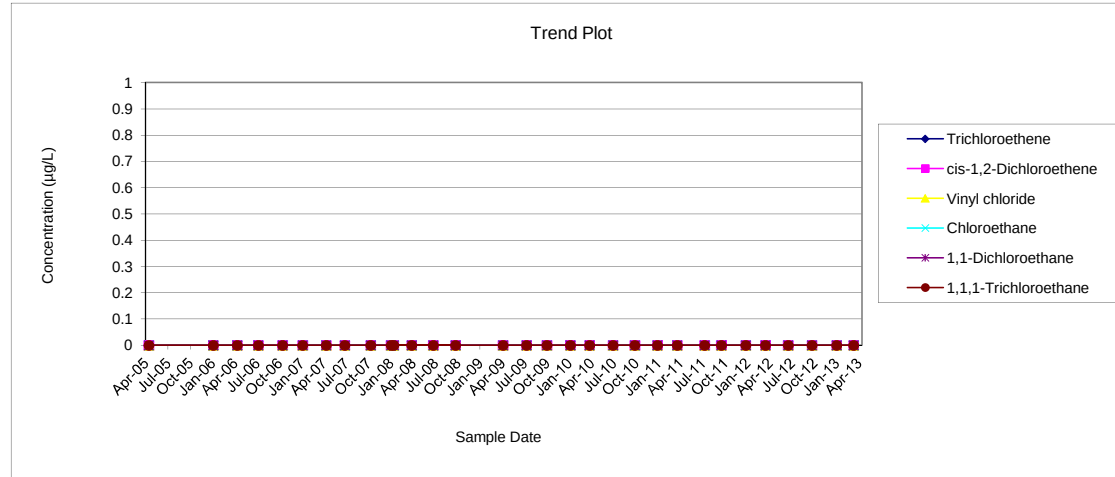
MONITORING WELL MW-9
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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
7/5/2012	<1	<1	<1	<1	<1	<1
10/11/2012	<1	<1	<1	<1	<1	<1
1/21/2013	<1	<1	<1	<1	<1	<1
4/1/2013	<1	<1	<1	<1	<1	<1

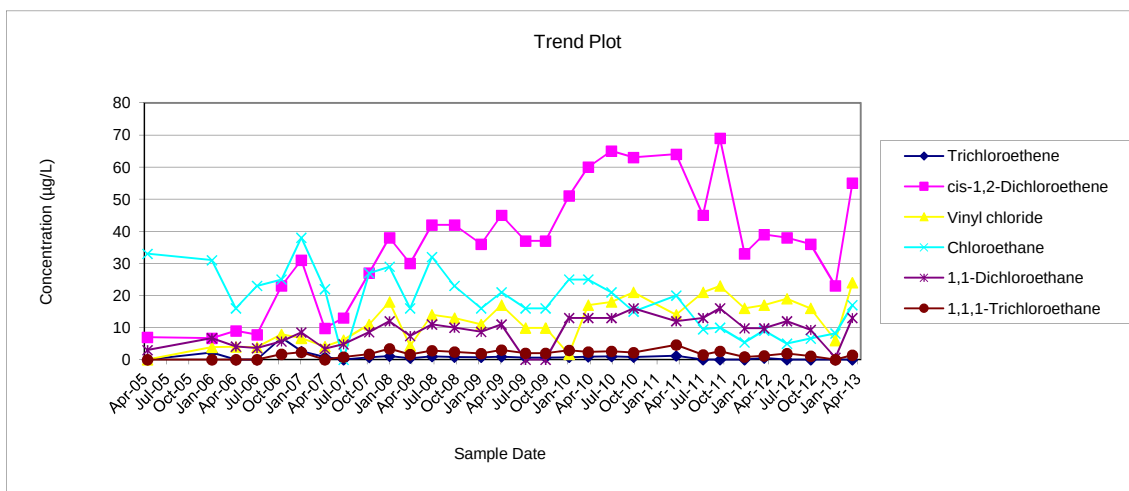
MONITORING WELL MW-10
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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
7/5/2012	<1	38	19	5	12	1.9
10/11/2012	<1	36	16	6.6	9.3	1.1
1/21/2013	<1	23	6	8.2	0.64	<1
4/1/2013	<1	55	24	17	13	1.4

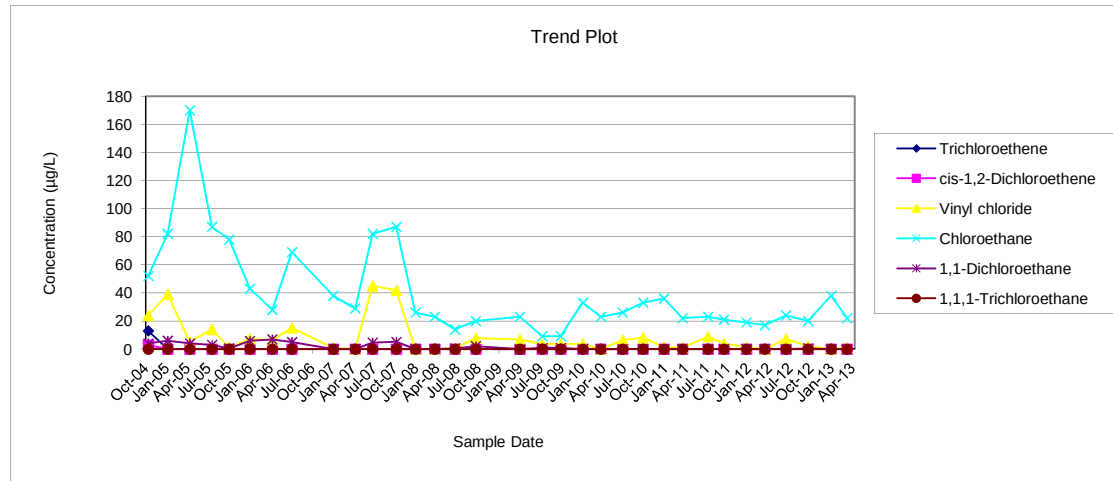
MONITORING WELL MW-11
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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
4/2/2012	< 1	< 1	< 1	17	< 1	< 1
7/5/2012	< 1	< 1	7.2	24	< 1	< 1
10/11/2012	< 1	< 1	2.1	20	0.49	< 1
1/21/2013	< 1	< 1	< 1	38	< 1	< 1
4/1/2013	< 1	< 1	1.1	22	< 1	< 1

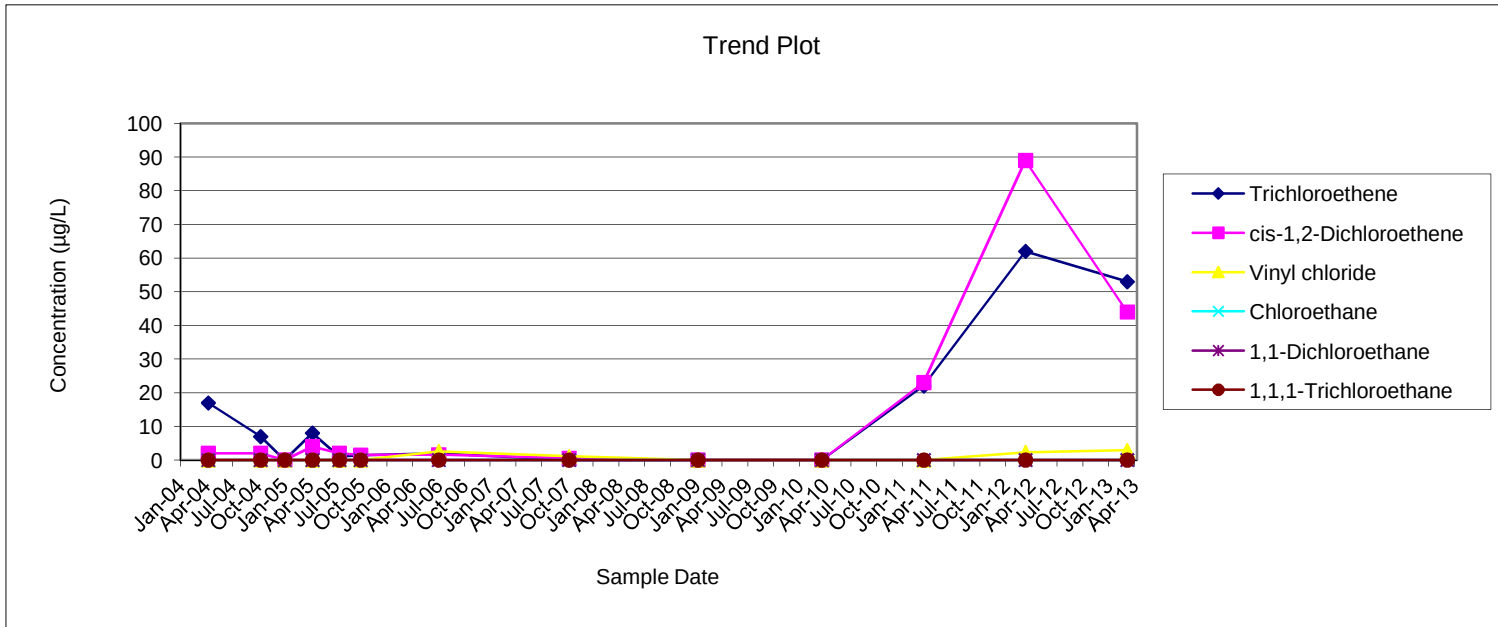
MONITORING WELL MW-12
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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	1,1,1,1-Tetrachloroethane
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
4/1/2013	53	44	2.9	<1	<1	<1

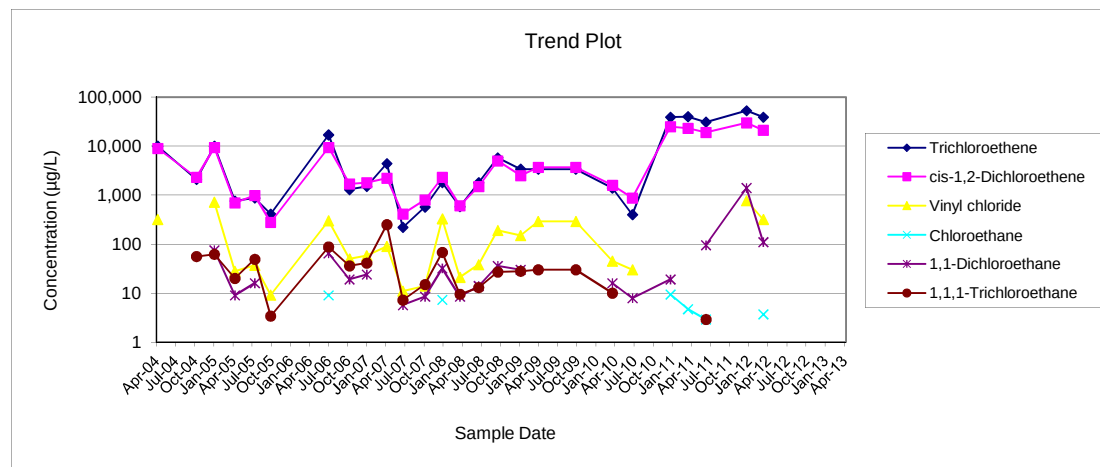
PIEZOMETER MW-13D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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
10/12/2012	41,000	24,000	<800	<800	<800	<800
4/2/2012	40,000	22,000	140	3.9	100	<1

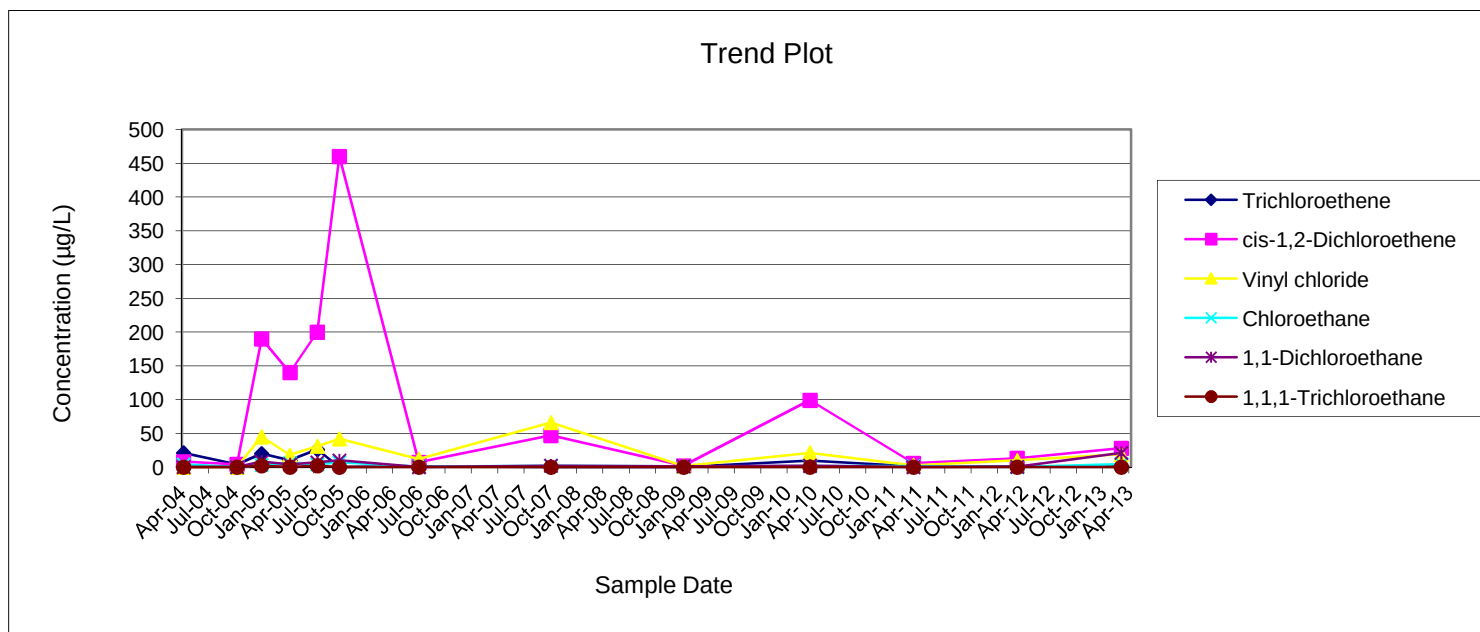
PIEZOMETER MW-13S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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	1,1,1,1-Tetrachloroethane
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
4/1/2013	0.99	28	19	4.6	21	<1

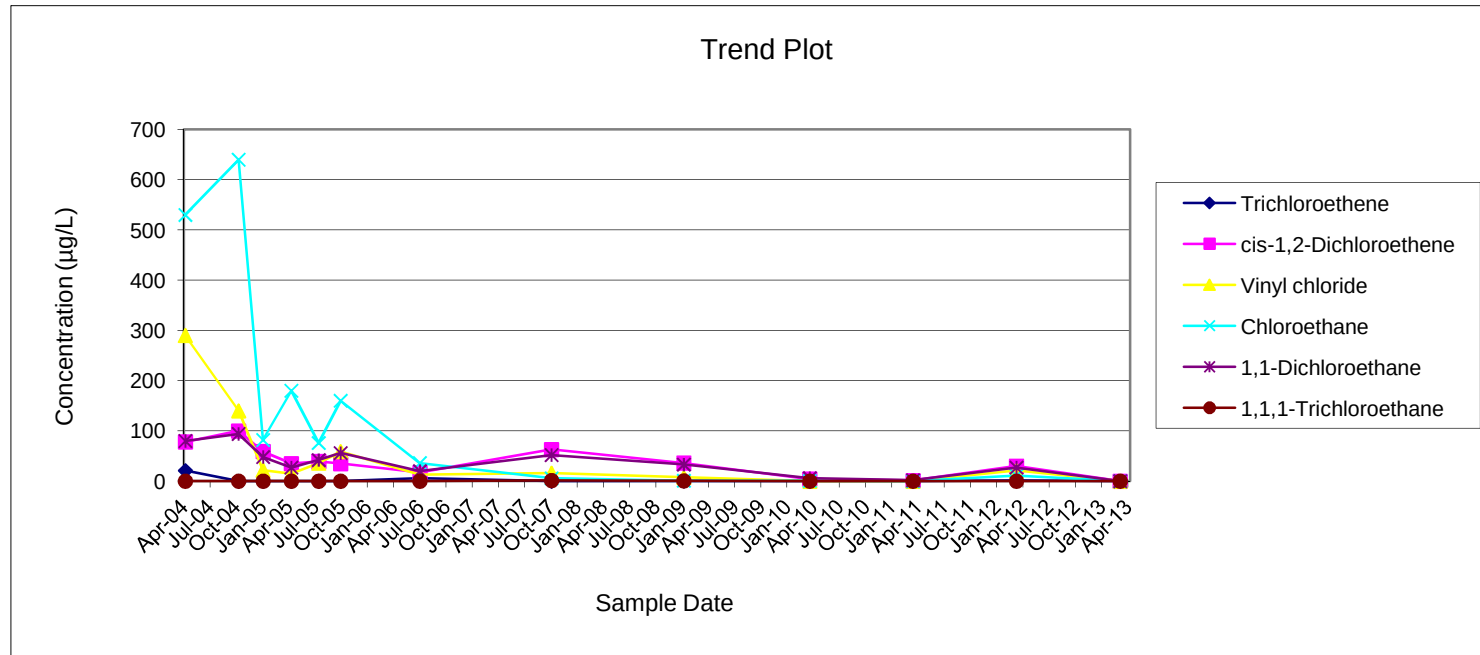
PIEZOMETER MW-14D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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
4/1/2013	<1	<1	<1	<1	<1	<1

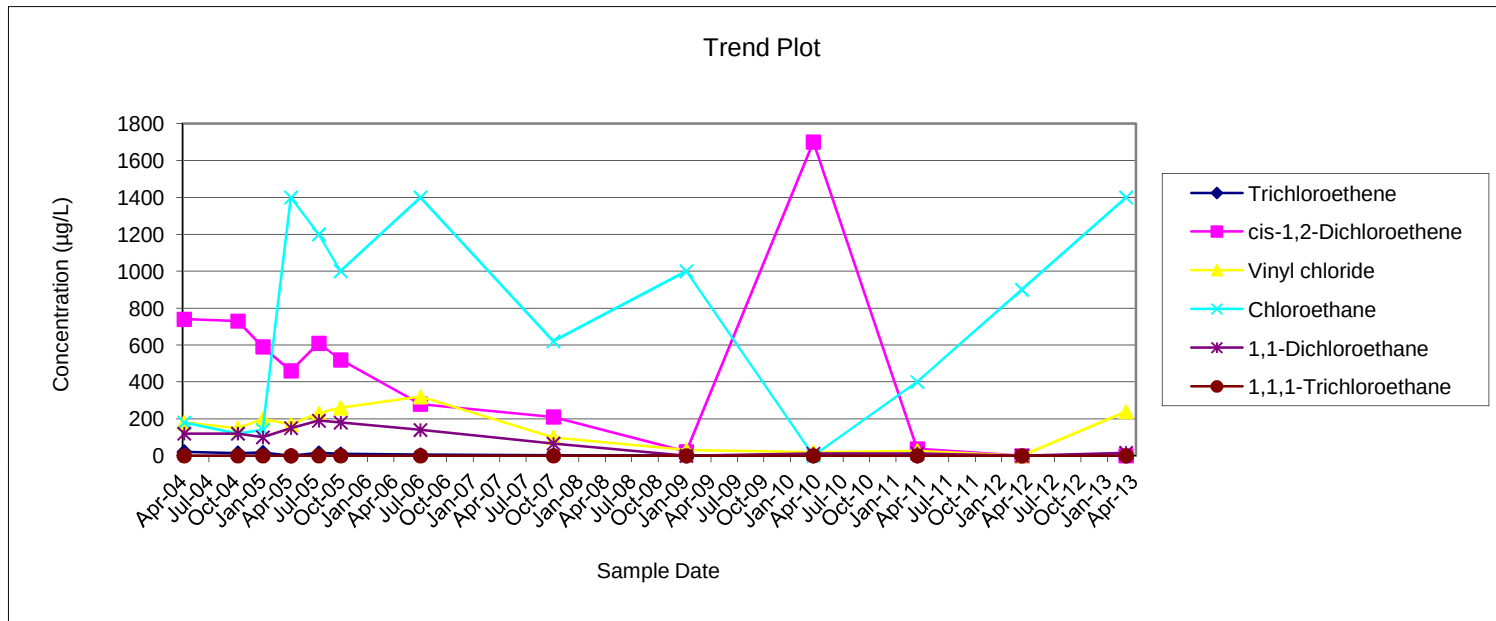
PIEZOMETER MW-14S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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
4/1/2013	<8	<8	240	1400	16	<8

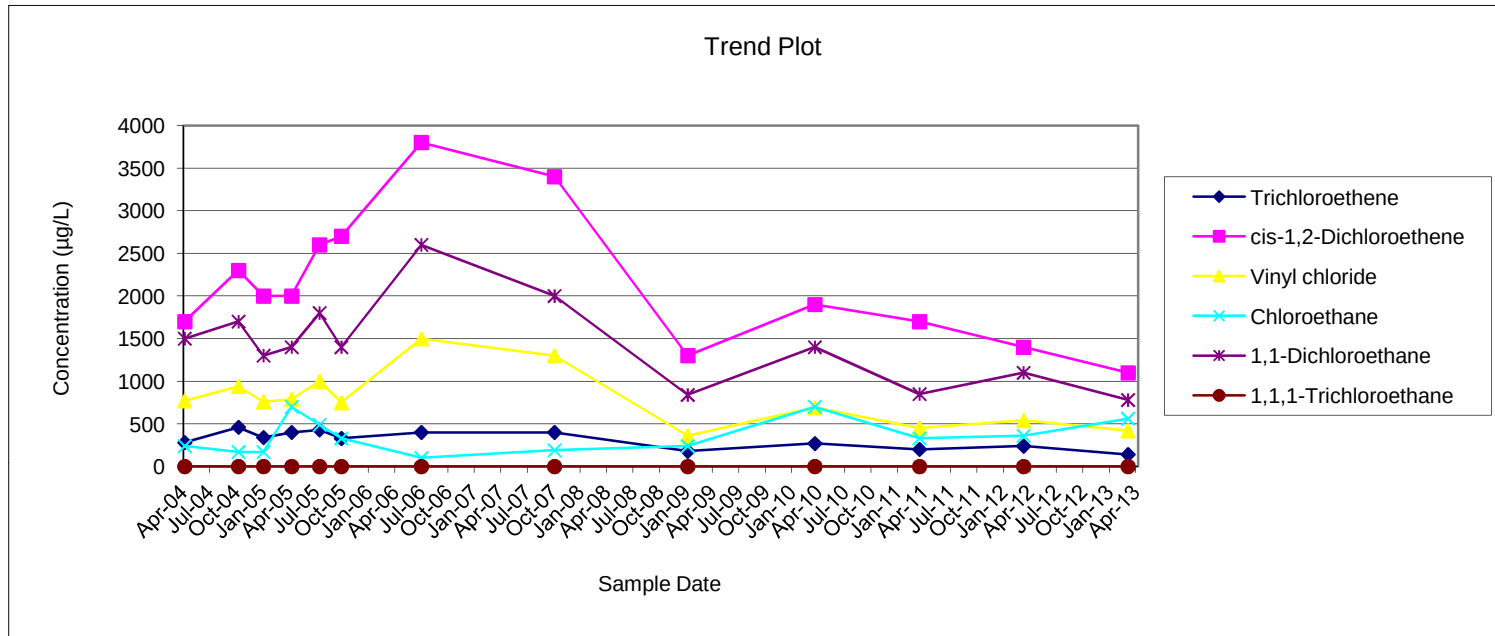
PIEZOMETER MW-15D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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
4/1/2013	140	1100	420	560	780	<20

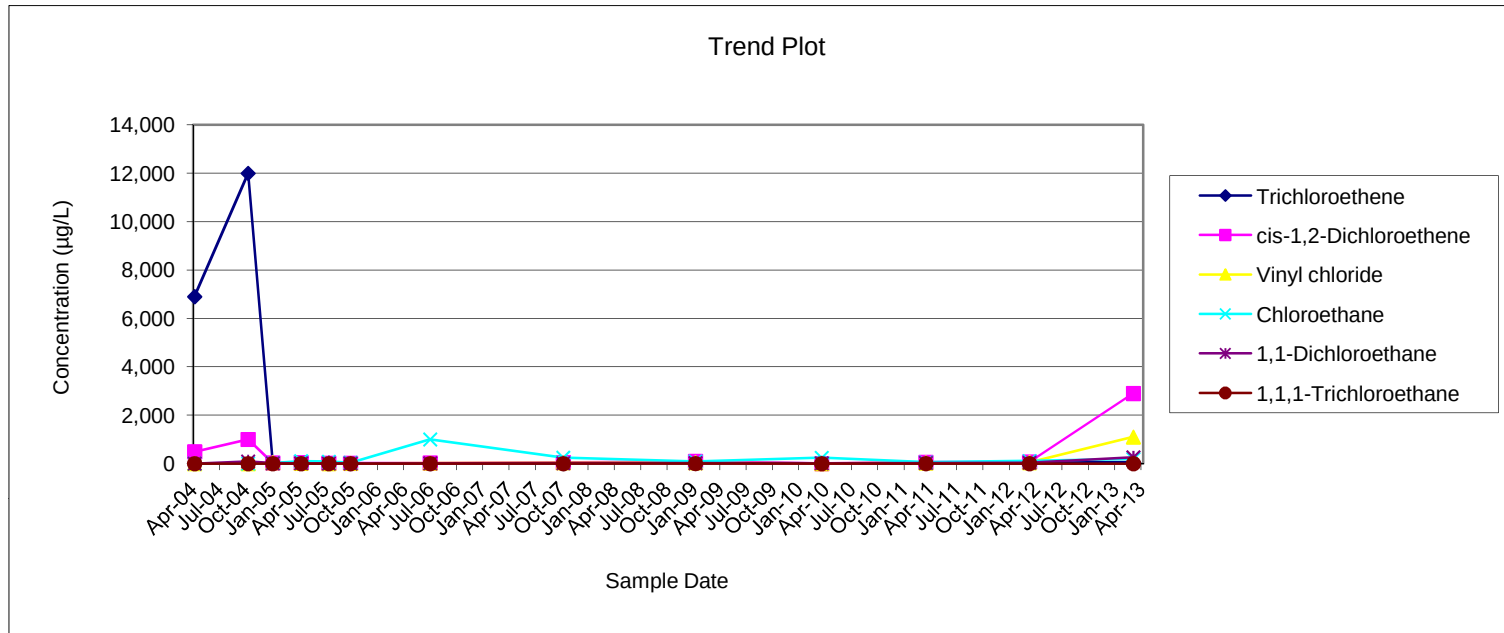
PIEZOMETER MW-15S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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	1,1,1,1-Tetrachloroethane
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
4/1/2013	57	2900	1100	190	260	<1

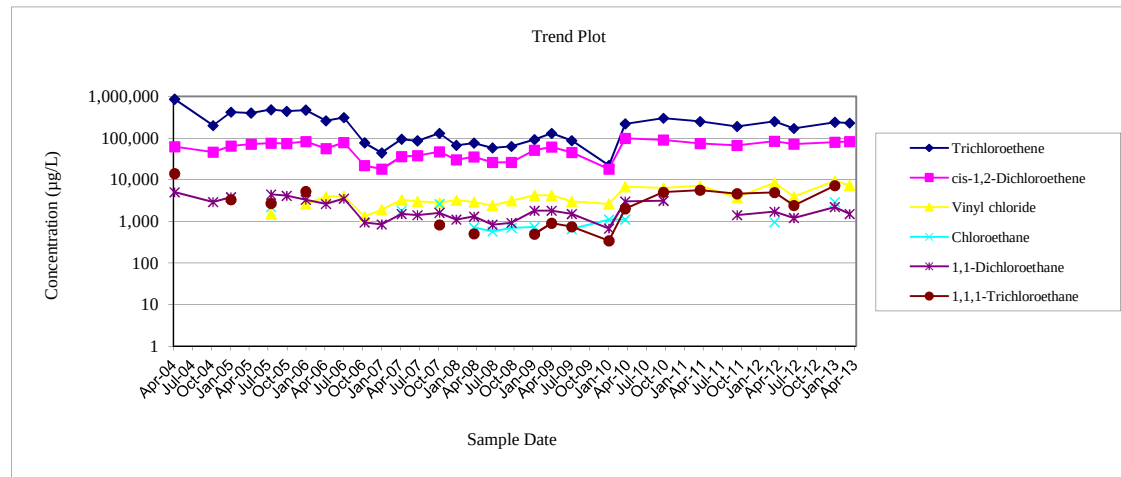
PIEZOMETER MW-16D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



**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	130000	47000	2800	2600	1600	820
1/8/2008	67000	30000	3200	< 5000	1100	< 5000
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
7/6/2012	170,000	72,000	3,900	<2000	1,200	2,400
1/21/2013	240,000	79,000	9,300	2,900	2,200	7,200
4/3/2013	230,000	82,000	7,300	<4,000	1,500	<4,000

PIEZOMETER MW-16S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



Appendix F

Completed Institutional and Engineering Controls Certification Form



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details		Box 1	
Site No.	915149		
Site Name Scott Aviation			
Site Address: 225 Erie Street		Zip Code: 14086	
City/Town: Lancaster			
County: Erie			
Site Acreage: 1.0			
Reporting Period: July 31, 2012 to July 31, 2013			
		YES	NO
1. Is the information above correct?		☒	☐
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?		☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		☐	☒
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?		☐	☒

		Box 2	
		YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial		☒	☐
7. Are all ICs/ECs in place and functioning as designed?		☒	☐
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	

Description of Institutional Controls

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
104.16-4-8.1	AVOX Systems	Monitoring Plan O&M Plan

A long-term monitoring program is in place and includes: (1) quarterly sampling of groundwater to monitor the effectiveness of the treatment systems, and (2) monthly sampling of the treatment systems to ensure compliance with discharge limits.

Description of Engineering Controls

<u>Parcel</u>	<u>Engineering Control</u>
104.16-4-8.1	Groundwater Treatment System Vapor Mitigation Cover System Groundwater Containment

In accordance with the ROD, a 200-foot long groundwater collection trench was constructed approximately 90 feet west of Plant 2 during February 1996. The purpose of the trench is to maintain hydraulic control of VOC-impacted groundwater. 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. The groundwater treatment system began operation on March 1 1996.

The groundwater collection trench system was subsequently combined with a dual phase extraction system installed at the Site between February and May 2004. The combined remediation system began operation on May 14, 2004.

A long-term operation and maintenance program is in place and includes: (1) long-term operation and maintenance of the groundwater collection and treatment system, and (2) long-term operation and maintenance of the dual phase extraction system.

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

☒ ☐

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

☒ ☐

**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

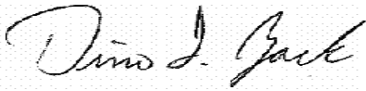
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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 Dino L. Zack at 100 Corporate Parkway, Amherst, NY 14226,
print name print business address

am certifying as AECOM Technical Services, Inc. (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

7/26/13

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)


Scott A. Underhill
Signature of Professional Engineer for the Owner or Remedial Party, Rendering Certification

Stamp
(Required for PE)

July 26, 2013
Date