Annual Summary Report for Site Management Activities Roxy Cleaners Site (442024)

Town of North Greenbush Rensselaer County, New York

Prepared for

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A
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Albany, New York 12233-7015

Prepared by

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April 2016
Version: DRAFT
EA Project No. 14907.14

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LIST OF ACRONYMS AND ABBREVIATIONS

amsl	Above mean sea level
AWQS	Ambient Water Quality Standard
DCE	Dichloroethene
EA	EA Engineering, P.C. and Its Affiliate EA Science and Technology
EPA	United States Environmental Protection Agency
FS	Feasibility study
ft	Foot or feet
gal	gallon(s)
gpm	Gallons per minute
I&R	Investigation and Response
lbs	Pounds
mg/L	Milligrams per liter
No.	Number
NTU	Nephelometric turbidity unit
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
O&M	Operations and maintenance
ORP	Oxidation-reduction potential
PCE	Tetrachloroethene
pH	Potential hydrogen
RI	Remedial investigation
ROD	Record of Decision
SMP	Site Management Plan
TCE	Trichloroethene
TOIC	Top of inner casing
VFD	Variable frequency device
VOC	Volatile organic compound

1. INTRODUCTION

1.1 PROJECT BACKGROUND

The New York State Department of Environmental Conservation (NYSDEC) tasked EA Engineering, P.C. and its affiliate EA Science and Technology (EA) to perform site management activities at the Roxy Cleaners site (NYSDEC Site Number [No.] 442024) which include groundwater sampling and oversight of the groundwater treatment plant by an Investigation and Response (I&R) contractor. The area is located in a suburban portion of Rensselaer County in North Greenbush, New York (**Figure 1**).

This Work Assignment is being conducted under the NYSDEC State Superfund Standby Contract (Work Assignment No. D007624-14). EA received the notice to proceed in March 2008; and on March 25, 2008, a site meeting was held with representatives from the NYSDEC, EA, and the I&R contractor (Aztech Environmental, Inc.). This annual site management report/groundwater sampling event includes activities completed by Aztech Environmental and EA from January 2015 to March 2016.

1.2 SITE HISTORY

From 1959 to 1998, Roxy Cleaners, Inc. operated a dry cleaning establishment at this site and allegedly spilled dry cleaning solvents, which resulted in contamination of the site's soil and groundwater. In 1990, NYSDEC initiated a remedial investigation (RI)/feasibility study (FS) to determine the extent of the contamination. Contaminants were found to be tetrachloroethene (PCE), trichloroethene (TCE), and 1,2-dichloroethene (DCE).

In January 1992, a vacuum extraction system was installed at the site as an interim remedial measure. Approximately 350 pounds (lbs) of PCE were extracted from the soil above the saturated zone using this system.

In March 1994, a Record of Decision (ROD) was completed for the site (NYSDEC 1994)[1]. According to the ROD, the remedy includes a groundwater extraction system consisting of three pumping wells. The collected water is treated by air stripping the volatile organic compounds (VOCs) prior to discharging to the Wynantskill Creek. Vapor emissions are treated by a vapor-phase, carbon adsorption system.

A water district was formed to serve residences in the impacted area of contamination. A waterline was extended to serve the impacted area from the City of Troy along Route 66 and Main Street to the site. Waterlines were also installed along Dodge Street, Ashcroft Street, Bellmeade Street, Orchard Terrace, and Lenox Avenue. Granular activated carbon filters were installed on private water supplies and were monitored until the new waterlines were installed.

[1] NYSDEC. 1994. Record of Decision. Roxy Cleaners Site (Site No. 442024), Town of North Greenbush, Rensselaer County, New York. March.

After completion of the remedial work described in the Phase I RI Report (Metcalf & Eddy 1992)[2], some contamination was left in groundwater at the site, which is hereafter referred to as "remaining contamination". In June 1995, a Long-Term Monitoring Plan was prepared for the site (Malcolm Pirnie, Inc. 1995)[3]. Subsequently, in December 2004, a Monitoring Plan for Roxy Cleaners was instituted (Malcolm Pirnie, Inc. 2004)[4]. Routine groundwater sampling has been performed on a five-quarter basis (every 15 months) since May 2008 to capture seasonal changes in groundwater elevation. Groundwater samples were collected during 19 sampling events conducted from October 1989 to February 2016 by several contractors, and analytical results indicate that the primary COCs are PCE, TCE, and *cis*-1,2-DCE.

A vapor intrusion evaluation investigation was completed in April 2006 to assess whether or not soil vapor contamination existed in the vicinity if the site. The assessment evaluated the extent to which the vapors, if detected, posed a threat to human health or the environment.

A Site Management Plan (SMP) (EA 2013)[5] was prepared to manage remaining groundwater contamination at the site until the site meets remedial goals discussed in the SMP. A Remedial Site Optimization Report (EA 2016)[6] was prepared to address the recommendation for remedial action optimization at the site.

1.3 OBJECTIVES

Site activities are being performed until such time as the periodic review establishes that the ROD (NYSDEC 1994)[1] requirements have been met, or another basis for discontinuing system operations exists. Site activities currently include the following:

- Treatment system operations and maintenance (O&M)
- Groundwater sampling
- Groundwater level monitoring.

The purpose of the treatment system O&M is to evaluate the inspection and monitoring data, and to confirm that the remedies are performing properly, remain effective, and the Monitoring Plan (Malcolm Pirnie, Inc. 2004)[3] is being implemented. The purpose of groundwater sampling at the site is to obtain samples that are representative of the aquifer in the vicinity of the wells and to determine the concentration of contaminants in the groundwater. This ensures that analytical results reflect the composition of the groundwater as accurately as possible. Groundwater analytical results will be used to modify the Long-Term Monitoring Plan (Malcolm Pirnie, Inc. 1995)[2] as necessary. Treatment system sampling and groundwater sampling will be used to

[2] Metcalf & Eddy of New York, Inc. 1992. Phase I Remedial Investigation Report – Volume 1. November.
[3] Malcolm Pirnie, Inc. 1995. Final Long-Term Monitoring Plan. Roxy Cleaners Site, Town of North Greenbush, Rensselaer County, New York. Site I.D. No. 442024. June.
[4] Malcolm Pirnie, Inc. 2004. Monitoring Plan. Roxy Cleaners, Rensselaer County. NYSDEC Site #442024. December 7.
[5] EA. 2013. Draft Site Management Plan. Roxy Cleaners Site, Rensselaer County, New York. October.
[6] EA. 2016. Remedial Site Optimization Report for Roxy Cleaners Site (442024), Town of Greenbush, Rensselaer County, New York. January.

monitor the effects of the pump and treat system (e.g., mass removal and hydraulic containment). The sampling program consists of collecting monthly influent and effluent samples from the treatment system and collecting groundwater samples from monitoring wells throughout the target area (up to 13 overburden and 13 bedrock monitoring wells, and 1 temporary monitoring well) every 15 months (**Figure 2**).

This report was completed to discuss the weekly treatment system O&M inspections completed during the period from January 2015 to March 2016, and to summarize the groundwater sampling event completed in February 2016.

1.4 REPORT ORGANIZATION

Groundwater treatment system oversight details are provided in Section 2. Groundwater sampling methods and results are presented in Section 3. Conclusions and recommendations are discussed in Section 4.

The following are provided as appendixes:

- **Appendix A**—Treatment System Effluent Limitations
- **Appendix B**—Treatment System Inspection List
- **Appendix C**—Laboratory Analytical Data for Treatment System Sampling
- **Appendix D**—Groundwater Well Development and Sampling Forms
- **Appendix E**—Laboratory Analytical Data, Form I's, Chain-of-Custody for Groundwater Sampling
- **Appendix F**—Historical Groundwater Analytical Data Trends.

2. GROUNDWATER TREATMENT SYSTEM OVERSIGHT

2.1 TREATMENT SYSTEM OPERATIONS AND MAINTENANCE ACTIVITIES

The groundwater recovery and treatment system consists of three recovery wells and a shallow tray air stripper system. VOCs stripped from the groundwater are removed from the stripper exhaust air stream by granular activated carbon filters. The Roxy Cleaners treatment building is located on the north side of the former Roxy Cleaners building. Access to the treatment building is from Orchard Terrace, a local street which runs north from New York State (NYS) Route 66 west.

The three recovery wells are identified below:

- RW-1 is a bedrock well located on the west side of the Roxy Cleaners building.
- RW-2 is located adjacent to RW-1. This well withdraws water from the shallow aquifer in the overburden.
- RW-3 is located on the south side of NYS 66 approximately 750 feet (ft) west of the Roxy Cleaners site, and about 75 ft southeast of the intersection of NYS Route 66 and Dodge Street. This well is also developed in the overburden.

Each of the recovery wells is equipped with a submersible well pump driven by a variable speed motor. The power and controls for these pumps originate at panels mounted in the treatment building located on the north side of the former Roxy Cleaners building. The electric power and control wiring are carried by conduits installed in the pipe trenches from the wells to the building.

Water pumped from the three recovery wells enters the treatment building in three separate pipe lines. After passing through cartridge type water filters and individual flow meters, the flow from the three wells is combined in a single pipe which leads to the top of the air stripper.

The air stripper consists of six trays mounted one above the other. The bottom of each tray contains a large number of small holes. Air is blown into the bottom of the air stripper and passes upward through these holes as the water flows over the trays in a thin layer and down through the air stripper unit. VOCs in the water are transferred into the air as it bubbles upward through the water. This air, with its accompanying VOCs, exits through the top of the air stripper and is carried in a duct to granular activated carbon filters which adsorb the contaminants. The purified air then passes out of the building through an exhaust stack. The water flows down through the trays to a compartment at the bottom of the air stripper, and exits the building in a drain pipe.

Treated groundwater is discharged to the Wynantskill Creek on the south side of NYS Route 66 via a storm drain located on Orchard Terrace. Treated groundwater samples are collected and sent to the NYSDEC laboratory for analysis of VOCs, metals, total suspended solids, and total dissolved solids. Analytical results are compared to the effluent limitations and monitoring

requirements established for the system (**Appendix A**) to insure the treatment system is running effectively.

Procedures for operating and maintaining the groundwater pump and treat system are documented in the O&M Plan (Section 4 of the SMP). Weekly site inspections were conducted by Aztech Environmental, the I&R contractor. A site inspection form is completed as part of each inspection. Operating conditions at the site and any routine maintenance conducted are recorded on this form. Quarterly O&M activities are summarized in Quarterly Treatment System Site O&M Reports and further detailed in the Annual Summary Reports for Site Management Activities.

O&M activities included in this annual report were completed from January 2015 to March 22, 2016. A summary of all the weekly inspections, maintenance, and monitoring activities is presented in the site inspection forms included in **Appendix B**. The following sections discuss the treatment system O&M for the period covered in this report.

2.2 TREATMENT SYSTEM MAINTENANCE

The treatment system was operating from December 19, 2014 to March 22, 2015. During the week of March 13, 2015, the air stripper was cleaned and the system was restarted. Due to a malfunctioning variable frequency device (VFD), RW-3 could not be restarted and the well was down from March 13, 2015 until a new motor drive was installed on April 24, 2015. The system ran uninterrupted until May 1, 2015 when RW-2 was down due to a ground fault. The system was restarted; however, RW-2 was again down on May 8, 2015 due to a ground fault, and the motor drive was reset. The pump motor on RW-2 failed, and the control system and pump for RW-1 malfunctioned in September 2015. A new pump motor was installed at RW-2 on September 15, 2015, and the well has continued to operate since. A new control system and pump were installed at RW-1 on December 22, 2015; however, the well is still off awaiting repair. The system continued to run from December 2015 through March 4, 2016. The system was down on March 4, 2016 due to a seized ultra stripper rotron fan. The fan was broken loose and reassembled, and the system was restarted. The system continued to run uninterrupted through the end of the monitoring period on March 22, 2016.

2.3 TREATMENT SYSTEM OPERATIONS

A total of 2,952,116 gallons (gals) of water were treated during the period from January 23, 2015 to March 22, 2016 and discharged to the Wynantskill Creek. The breakdown of treated volumes from each recovery well included 2,589,010 gal from RW-3 (87.70 percent of total), 357,406 gal from RW-2 (12.11 percent of total), and 5,700 gal from RW-1 (0.19 percent of total). The average discharge flow rate was 6,914 gal per day, or 4.80 gal per minute (gpm).

2.4 MONITORING ACTIVITIES

Aqueous samples (system influent and effluent) were collected on a monthly basis from January 2015 to March 2016, with the exception of February 2016 due to contract funding.

2.4.1 State Pollutant Discharge Elimination System Monitoring

State Pollutant Discharge Elimination System effluent samples were collected from the air stripper discharge and submitted to the NYSDEC Division of Environmental Remediation Laboratory, Albany, New York, for the analysis of VOCs by United States Environmental Protection Agency (EPA) Method 601.

The contaminant values for the effluent sample were less than the stated discharge limitations for all analyzed chemicals.

2.4.2 Treatment System Influent Sampling and Analysis

Influent samples provide a basis for determining the mass of contaminants recovered from groundwater at the wells and are also used in determining the removal efficiency of the air stripper system. Influent samples were collected from the three individual recovery wells (RW-01 [January 2015 through August 2015, only], RW-02, and RW-03). Influent samples were not collected from RW-1 from September 2015 through March 2016 sampling event because the well was offline. Samples were collected from the influent lines from each of the three extraction wells in conjunction with the treatment system effluent samples. The results of these analyses are included in **Appendix C** and summarized in **Table 1A**. Samples have not been analyzed for metals since March 2012 (**Table 1B**).

2.4.3 Treatment System Sample Results

Analytical results for the recovery well samples were evaluated to determine the amount of contaminants removed from groundwater and to graph the trends in the recovery well contaminant concentrations. During the reporting period, *cis*-1,2,-DCE removal ranged from 0.00010 lbs/day to 0.00180 lbs/day, PCE ranged from 0.0079 lbs/day to 0.0233 lbs/day, and TCE removal ranged from 0.00020 lbs/day to 0.00120 lbs/day. The total contaminants removed during the period of this report are summarized in **Table 2**. Trend graphs for recovery well contaminant concentrations are included as **Figure 3**.

Analytical results from the influent and effluent samples demonstrate that the system is effectively removing the contaminants from the treated groundwater.

3. LONG-TERM GROUNDWATER MONITORING

In order to provide the data for compliance monitoring, groundwater sampling is performed on a five-quarter basis (every 15 months) to capture seasonal changes in groundwater elevation. The site includes a network overburden and bedrock groundwater monitoring wells that are currently used to monitor plume migration and provide a line of evidence necessary to demonstrate the effectiveness of the groundwater remediation. A total of 27 groundwater monitoring wells were originally included in the groundwater monitoring program. Two monitoring wells have obstructions and are no longer sampled (MW-5B and MW-102). The most recent groundwater sampling event completed in February 2016 is discussed below.

3.1 MONITORING WELL INSPECTIONS

Monitoring wells were inspected prior to gauging and sampling, and their condition was noted on the groundwater purge forms. During the February 2016 well inspections, 22 monitoring wells were located and inspected. Five monitoring wells (MW-101, MW-101A, MW-103A, MW-110B, and PZ-1) were not located. Inspection results are provided in **Table 3**.

3.2 GROUNDWATER GAUGING

Groundwater levels were recorded at each monitoring well in February 2016, prior to the initiation of groundwater sampling, to determine groundwater flow patterns in the overburden and bedrock monitoring wells, and evaluate cones of influence created by the treatment system recovery wells. Depth to groundwater was measured from the top of the inner polyvinyl chloride casing using an oil/water interface probe. Groundwater depths and calculated groundwater elevations for each monitoring well location are provided in **Table 3**.

3.2.1 Overburden Monitoring Recovery Well Capture Zone

Groundwater was encountered in the overburden wells at depths ranging from 5.60 ft below top of inner casing (TOIC) (MW-105A) to 14.2 ft below TOIC (MW-112A). Well MW-104A was dry. Calculated groundwater elevations ranged from a high of 350.70 ft above mean sea level (amsl) (MW-1) to a low of 339.15 ft amsl (MW-2). An interpreted overburden groundwater potentiometric surface map illustrating the direction of groundwater flow for the gauging event as based on groundwater elevations is shown in **Figure 4A**. Groundwater flow in overburden mimics topography, with flow in a westerly direction and a calculated horizontal gradient of 0.0008 ft/ft across the site. Interpolated overburden groundwater contours indicate that there is a slight cone of influence created by overburden extraction well RW-3.

3.2.2 Bedrock Monitoring Recovery Well Capture Zone

Groundwater was encountered in the bedrock wells at depths ranging from 5.36 ft below TOIC (MW-105) to 23.66 ft below TOIC (MW-104). Calculated groundwater elevations ranged from a high of 350.75 ft amsl (MW-1B) to a low of 338.70 ft amsl (MW-09). The interpreted groundwater flow pattern in the bedrock monitoring wells as based on groundwater elevations is

shown in **Figure 4B**. Groundwater flow in bedrock mimics topography, with flow in a westerly direction and a calculated horizontal gradient of 0.0008 ft/ft across the site. Interpolated bedrock groundwater contours indicate that there is a slight depression in groundwater elevations near RW-3.

3.3 GROUNDWATER SAMPLING

Twenty-two groundwater samples (plus one duplicate) were collected from the monitoring well network from February 8 to 10, 2016. Five monitoring wells were not located (MW-101, MW-103A, MW-110B, and PZ-1), and one well was dry (MW-104A).

Monitoring wells were purged using a submersible Grundfos pump, with a flow rate of approximately 0.3 liters per minute. New dedicated polyethylene tubing was used at each monitoring well location, and non-dedicated sampling equipment was decontaminated between well locations to prevent cross-contamination.

Water quality parameters, including temperature, potential hydrogen (pH), ORP, conductivity, dissolved oxygen, and turbidity were monitored during purging using a Horiba U-22 water quality monitoring system with flow-through cell. In addition, the depth to water was measured throughout purging using a water level indicator. Water quality parameters (i.e., temperature, pH, conductivity, oxidation-reduction potential [ORP], and dissolved oxygen) and water levels were recorded on groundwater sampling purge forms provided in **Appendix D**.

Wells were purged until the field parameters stabilized, at which time groundwater samples were collected for analysis of VOCs. Field parameters were considered stable when the following conditions were met for three consecutive readings:

- pH readings within ± 0.1 pH units
- ORP within ± 10 mV
- Dissolved oxygen within 0.3 milligrams per liter (mg/L)
- Specific conductance within ± 3 percent
- Turbidity measurements less than 50 nephelometric turbidity unit (NTU).

Due to rust from the steel casing, turbidity readings did not drop below 10 NTUs at well MW-1B. Groundwater samples were collected from this location after all other parameters had stabilized.

Groundwater samples were collected using clean nitrile gloves and placed in laboratory supplied bottle ware containing appropriate preservatives. Samples were placed on ice in sample coolers immediately after collection to ensure proper preservation. Pertinent sample information was recorded on the associated chain-of-custody, and samples were shipped offsite under secure chain-of-custody protocol to ALS Laboratories, Rochester, New York 14623. Groundwater samples were analyzed for VOCs by EPA Method 8260B.

3.4 GROUNDWATER ANALYTICAL RESULTS

3.4.1 Overburden Monitoring Wells

Thirteen overburden monitoring wells were sampled during the February 2016 sampling event (i.e., MW-1, MW-2, MW-3, MW-4, MW-102A, MW-105A, MW-106A, MW-107A, MW-108A, MW-111, MW-112A, and MW-113A and temporary well TW-5). PCE was the only analyte of concern detected at concentrations greater than its respective Ambient Water Quality Standard (AWQS) of 5μg/L. Groundwater analytical data for the February 2016 sampling event are summarized in **Table 4** and shown on **Figure 5**. Isopleths for PCE in the overburden wells are depicted on **Figure 6**. A summary of analytical results for the overburden monitoring well network is provided below.

PCE was detected in six overburden wells (MW-2, MW-102A, MW-105A, MW-107A, MW-111, and TW-5) with concentrations ranging from an estimated 0.73 μg/L (MW-105A) to 30 μg/L (MW-2). Concentrations were greater than the AWQS at three locations (MW-2, MW-107A, and TW-5).

TCE was detected at three overburden wells (MW-105A, MW-107A, and TW-5) at an estimated concentrations of 0.73 to 1.9 μg/L. *Cis*-1,2-DCE was detected at four overburden wells (MW-2, MW-105A, MW-107A, and TW-5) at estimated concentrations ranging from 0.58 to 2.4 μg/L. Vinyl chloride was not detected at any of the overburden monitoring well locations.

3.4.2 Bedrock Monitoring Wells

Nine bedrock monitoring wells were sampled during the February 2016 sampling event (i.e., MW-1B, MW-2B, MW-3B, MW-4B, MW-104, MW-105, MW-106, MW-108, and MW-109). No analytes of concern were detected at concentrations greater than their respective AWQS. Groundwater analytical data are summarized in **Table 4** and detailed in **Figure 5**. A summary of analytical results for the bedrock monitoring well network is provided below.

PCE and TCE were not detected in groundwater samples collected from any of the bedrock wells sampled in February 2016. *Cis*-1,2-DCE was detected at two locations (MW-2B and MW-3B) at estimated concentrations of 4.2 and 0.68 μg/L, respectively. Vinyl chloride was detected at two bedrock wells (MW-2B and MW-3B) at estimated concentrations of 0.66 and 0.55 μg/L, respectively.

3.5 HISTORICAL GROUNDWATER RESULTS

Available historical data, as supplied by the NYSDEC, were tabulated and reviewed as part of the work assignment for this site and are presented in **Table 5**. Only the contaminants of concern (i.e., PCE, TCE, and 1,2-DCE) are tabulated as determined from past investigations and present data. The available data for the Roxy Cleaners site include 19 groundwater sampling events completed from October 1989 to February 2016. Trend graphs for available historical analytical

data at monitoring wells with contaminant of concern concentrations greater than the AWQS are provided in **Appendix F**.

Historical data reveal that eleven monitoring wells (MW-2, MW-101, MW-101A, MW-103, MW-103A, MW-105A, MW-107, MW-107A, MW-108, MW-111, and TW-5) have had concentrations of one or more analytes (PCE, TCE, and 1,2-DCE) greater than the AWQS standard of 5 μg/L, and ten additional wells (MW-2B, MW-3B, MW-108, MW-108A, MW-3, MW-102, MW-102A, MW-104, MW-105, MW-106) have had detections of one or more analytes below the AWQS.

3.6 SUMMARY OF ANALYTICAL RESULTS

For the Roxy Cleaners site, both present and available historical data (**Tables 4** and **5**) were reviewed to determine if there are any notable trends in the data concentrations. Previous investigations at this site indicate that the primary contaminants of concern are *cis*-1,2-DCE, TCE, and PCE. During the previous groundwater sampling event conducted in November 2014, PCE was detected at a concentration greater than the AWQS of 5 μg/L in six monitoring wells, including wells MW-101 and MW-103A located in the source area; wells MW-107A and TMW-5 located between the source area and RW-3; well MW-2 located in the vicinity of RW-3; and MW-105A located hydraulically downgradient of RW-3. During the February 2016 event, three monitoring wells had detections of PCE greater than the AWQS of 5 μg/L, including overburden wells MW-2 and MW-107A, and temporary well TW-5. Monitoring wells in the source area were not sampled, as these wells could not be located; however, based on historical data and trends, is likely that the PCE concentration at these source are wells remains above the AQWS.

Historical analytical trend graphs indicate that the general concentrations of these PCE, TCE, and *cis*-1,2-DCE have decreased overall in monitoring wells MW-2, MW-101, MW-101A, MW-102A, MW-103A, MW-107, MW-107A, MW-108, and MW-111. Analytical data suggest that the overall concentrations of chlorinated VOCs in the vicinity of the site are being reduced.

4. CONCLUSIONS AND RECOMMENDATIONS

This section describes activities which are recommended in order to improve overall site management.

4.1 MONITORING WELLS

MW-105A is located hydraulically downgradient of RW-3 and is the furthest downgradient monitoring well from the source area. PCE was not detected at MW-105A during sampling events conducted from October 1989 to December 1999. During the May 2005 and October 2005 sampling events, PCE was detected in MW-105A at estimated concentrations of 1.1 µg/L and 1.4 µg/L, respectively. PCE at MW-105A during the May 2008, August 2009, and November 2010 sampling events was detected above the AWQS of 5 µg/, with concentrations ranging from 21 to 7.98 µg/L. PCE was not detected at MW-105A during the March 2012 sampling event. During the July 2013 sampling event, PCE concentrations at MW-105A rebounded above the AWQS to 8.1µg/L, with a concentration similar that detected in November 2010 (7.98 µg/L). PCE was also detected above the AWQS in the subsequent November 2014 sampling event (5.3 µg/L). The concentration declined to below the AWQS in February 2016 (estimated 0.73 µg/L).

MW-113A, was installed downgradient of MW-105A to further delineate the extent of the dissolved-phase plume. *Cis*-1,2-DCE, TCE, and PCE have not been detected at MW-113A during the three sampling events conducted since the well was installed.

4.2 TREATMENT SYSTEM

As described in the ROD (NYSDEC 1994)[1], the primary goals of the groundwater pump and treat system are:

- Reduce the mass and concentration of contaminants in the groundwater
- Control migration of the groundwater contamination.

Based on historical analytical trend graphs (**Appendix F**), analytical data suggest that the overall concentrations of chlorinated VOCs in the vicinity of the site are being reduced.

MW-105A and MW-113A are located hydraulically downgradient of RW-3 and are furthest downgradient of the source area. A review of analytical data at MW-105A indicates that PCE concentrations decreased from May 2008 through March 2012. An increase in the pumping rate at RW-3 may have helped reduce concentrations of PCE. Based on historical site inspection summary reports, the average flow rate at RW-3 from September 1997 to June 2000 was approximately 15 gpm. The pumping rate has been increased over time, with a rate of 6 gpm for the July 2008 to December 2008 time period and 8.5 gpm from December 2008 to February 2009. In April 2009 the pump was replaced and lowered in the well and the pumping rate was increased to approximately 12 gpm. The historical decrease in flow rates may account for the detections of

PCE observed downgradient of RW-3 in July 2013 and November 2014. Following the increase in flow rates at RW-3, the downgradient concentrations of PCE have been decreasing. Continued groundwater sampling is necessary to evaluate the effectiveness of RW-3 on the downgradient portion of PCE impacts.

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Figures

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LEGEND

★ Site Location

Miles

0 0.125 0.25 0.5

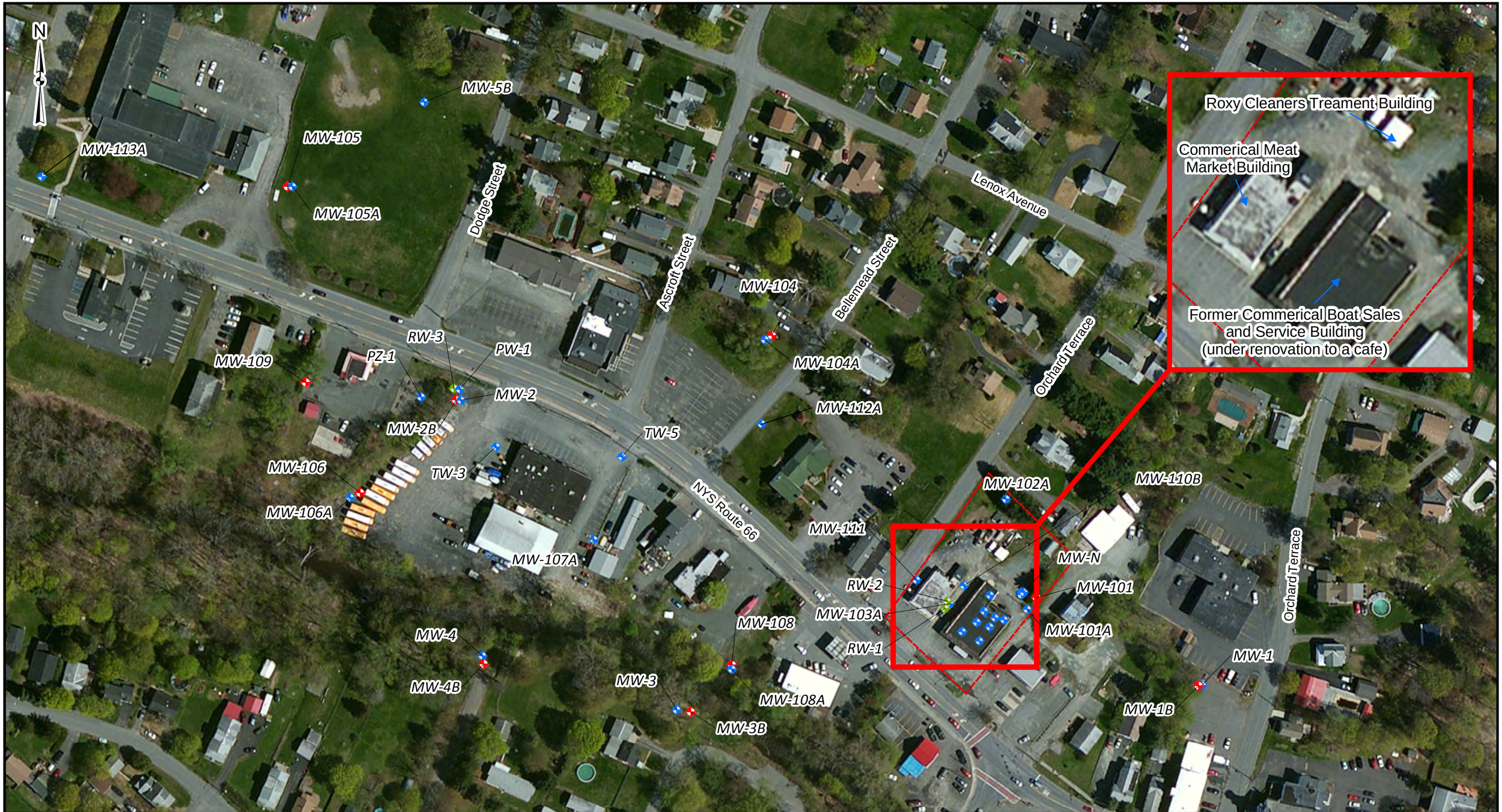
1 in = 1,300 feet

NEW YORK STATE OF OPPORTUNITY Department of Environmental Conservation

ANNUAL SUMMARY REPORT FOR
SITE MANAGEMENT ACTIVITIES
ROXY CLEANERS SITE (Site No. 4-42-024)
NORTH GREENBUSH, NEW YORK

FIGURE 1
SITE LOCATION MAP

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
JCH	JCP	JCP	JCH	AS SHOWN	APRIL 2016	14907.14	GIS/Projects/AnnualReport 2016/Roxy_Figure1





Legend

- Roxy Cleaners
- Overburden Monitoring Well
- Bedrock Monitoring Well
- Recovery Well

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Source: NYS GIS Clearing House

ANNUAL SUMMARY REPORT FOR
SITE MANAGEMENT ACTIVITIES
ROXY CLEANERS SITE (Site No. 4-42-024)
NORTH GREENBUSH, NEW YORK

FIGURE 2
MONITORING WELL
LOCATIONS

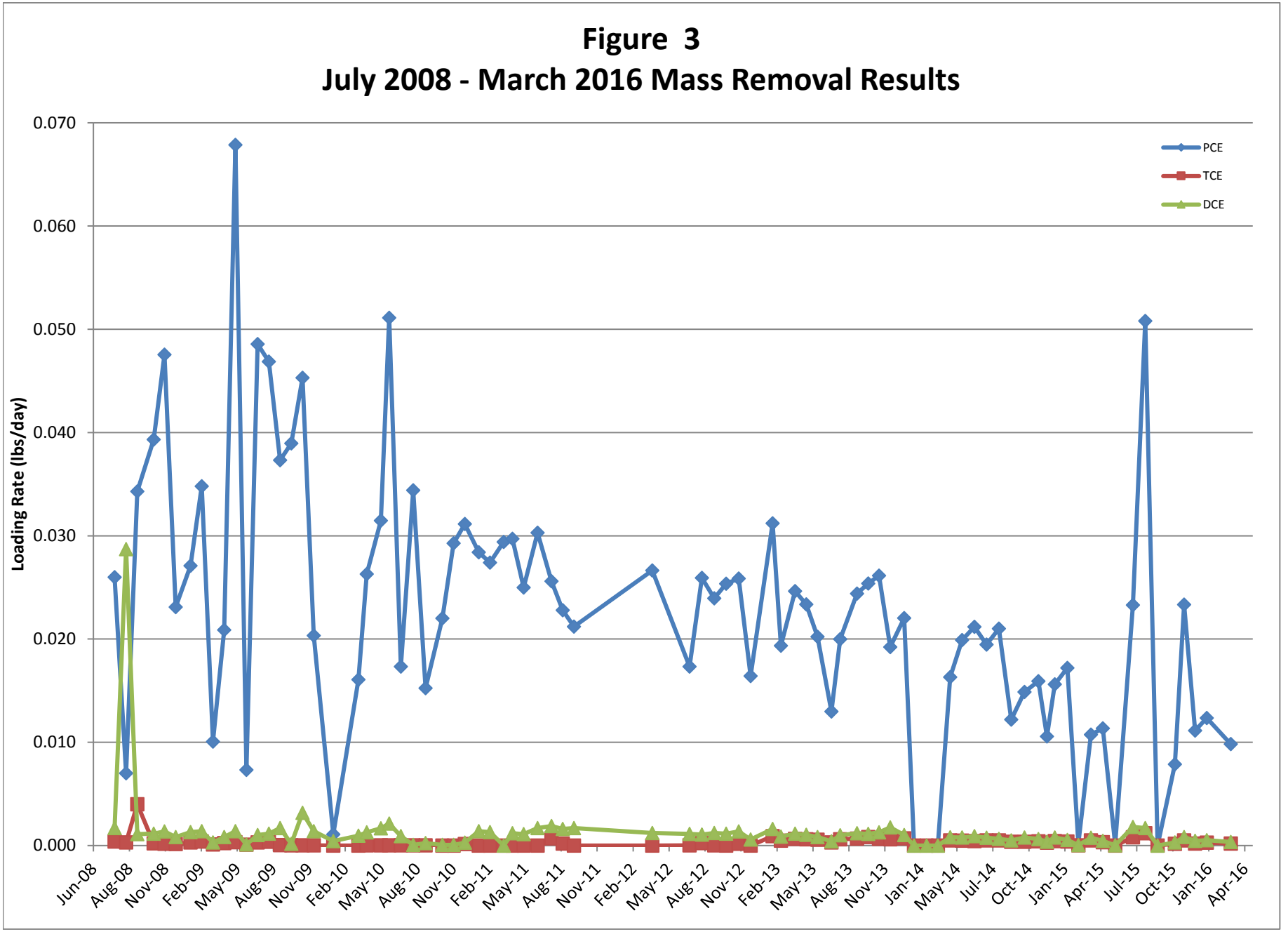
0 125 250
Feet

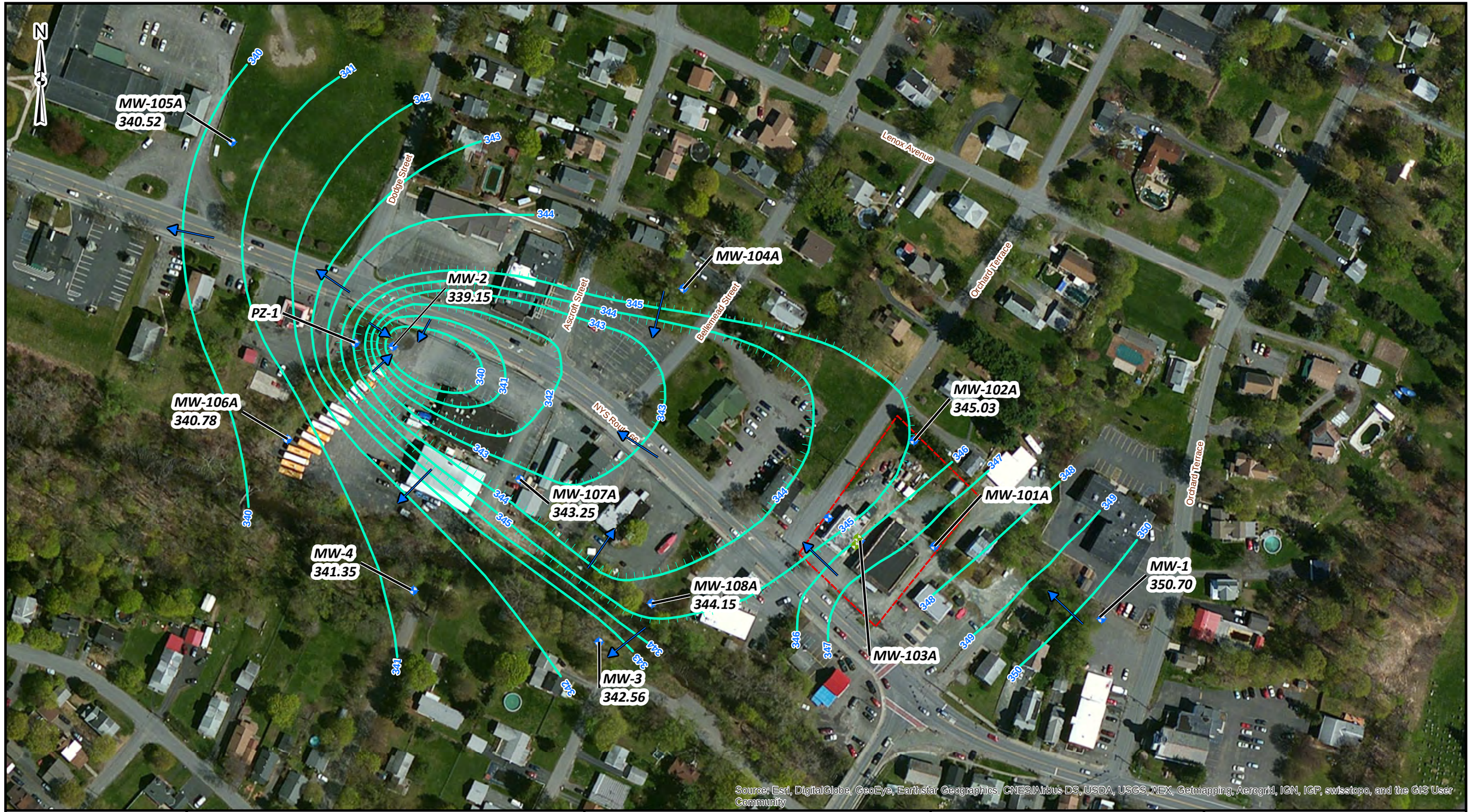
1 inch = 125 feet

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
JCH	MJS	MJS	JAV	AS SHOWN	APRIL 2016	14907.14	GIS/Projects/AnnualReport 2016/Roxy_Figure2

NEW YORK STATE OF OPPORTUNITY
Department of Environmental Conservation

Figure 3
July 2008 - March 2016 Mass Removal Results







Legend

- Overburden Monitoring Well
- Recovery Well
- Groundwater Contour 1-ft Interval Above Mean Sea Level (AMSL)
- Interpreted Groundwater Flow Direction
- Roxy Cleaners
- 999 Groundwater Elevation Ft Above Mean Level (AMSL)

ANNUAL SUMMARY REPORT FOR
SITE MANAGEMENT ACTIVITIES
ROXY CLEANERS SITE (Site No. 4-42-024)
NORTH GREENBUSH, NEW YORK

FIGURE 4A
INTERPOLATED OVERBURDEN
GROUNDWATER CONTOUR MAP
FEBRUARY 2016

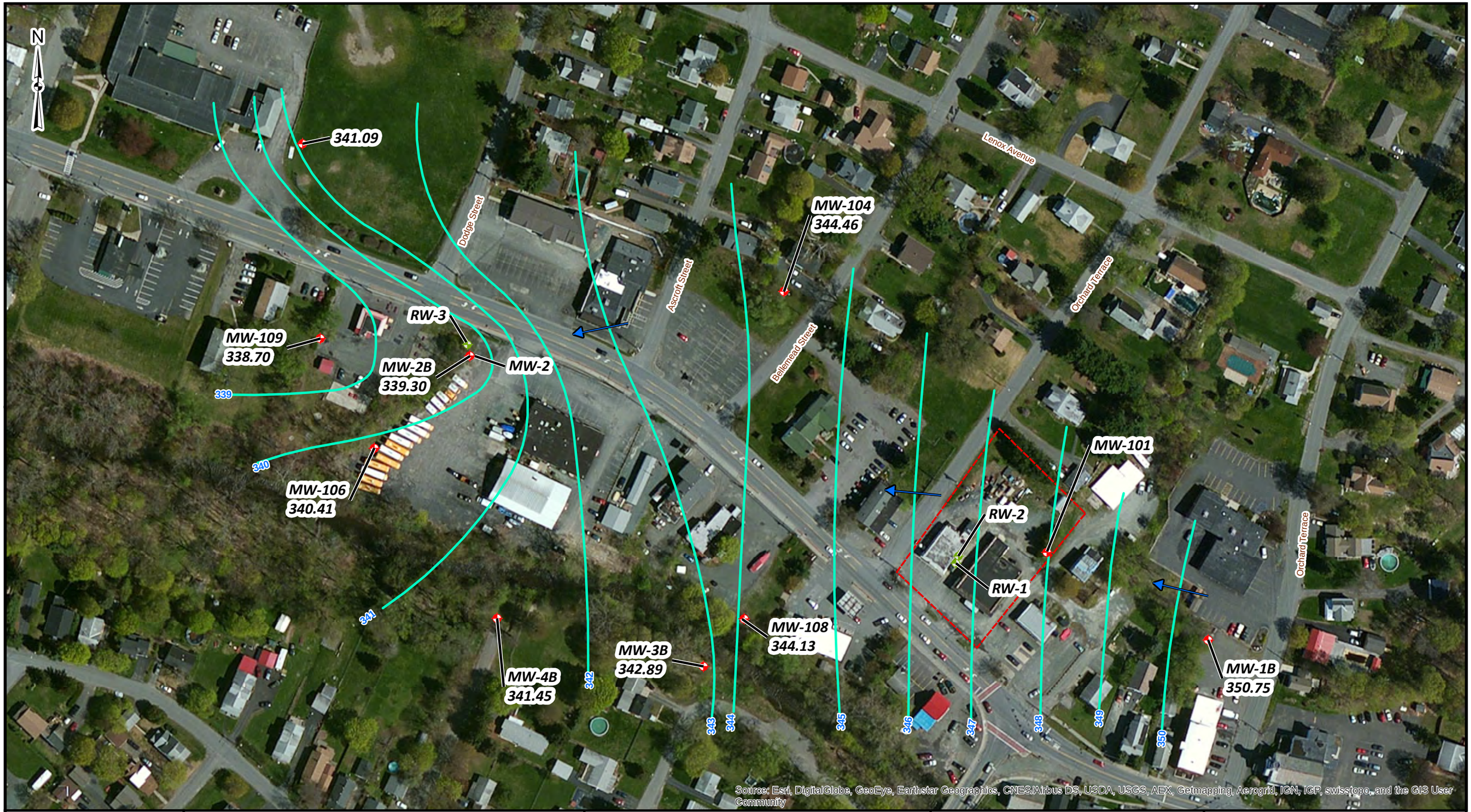
0 130 260
Feet

1 inch = 130 feet

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
JCH	JCP	EGC	JAV	AS SHOWN	APRIL 2016	14907.14	GIS/Projects/AnnualReport 2016/Roxy_Figure4A

EA®

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Legend

- Bedrock Monitoring Well
- Recovery Well
- Groundwater Contour 1-ft Interval Above Mean Sea Level (AMSL)
- Interpreted Groundwater Flow Direction
- Roxy Cleaners
- 999 Groundwater Elevation Ft Above Mean Level (AMSL)

ANNUAL SUMMARY REPORT FOR
SITE MANAGEMENT ACTIVITIES
ROXY CLEANERS SITE (Site No. 4-42-024)
NORTH GREENBUSH, NEW YORK

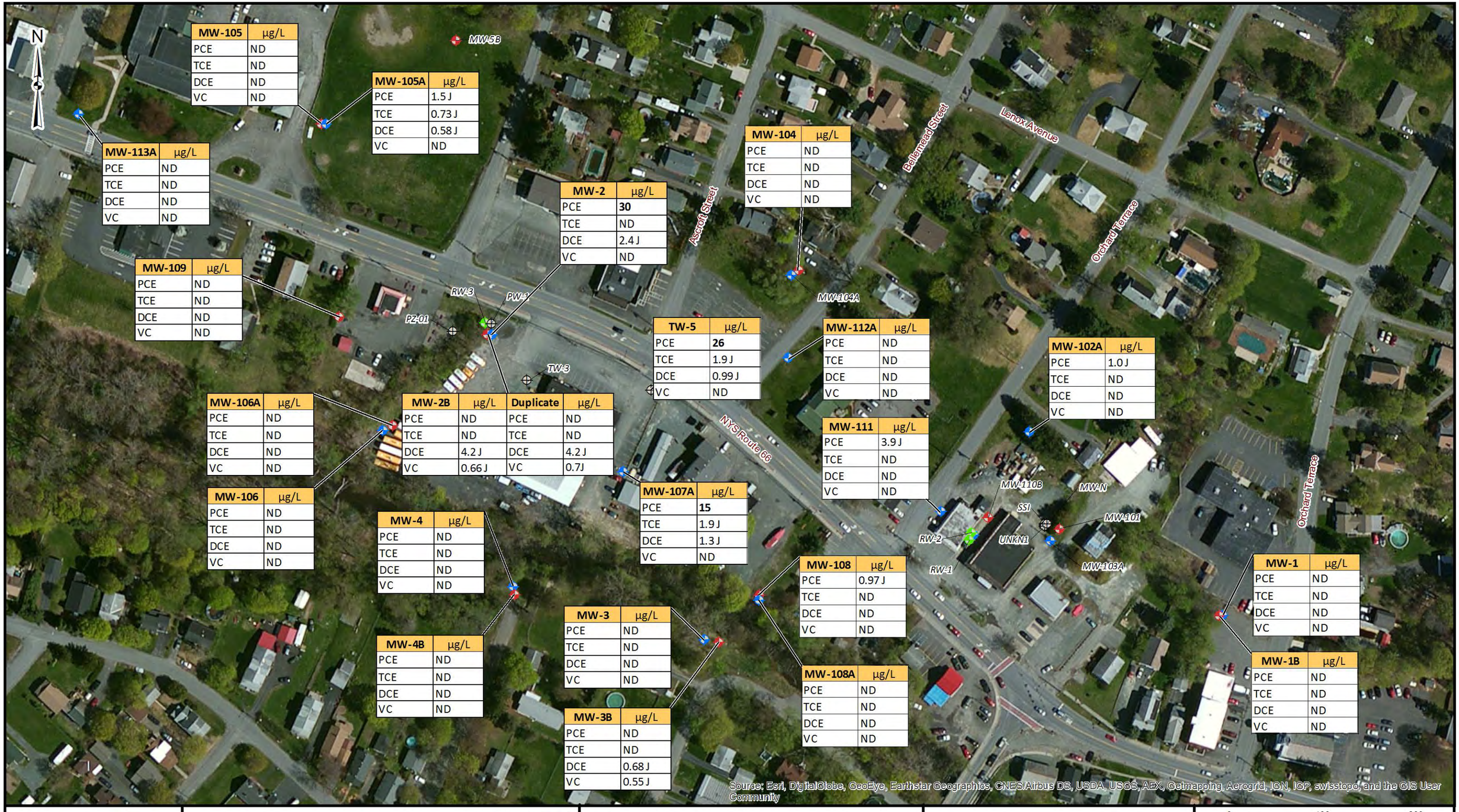
FIGURE 4B
INTERPOLATED BEDROCK
GROUNDWATER CONTOUR MAP
FEBRUARY 2016

0 130 260
Feet

1 inch = 125 feet

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
JCH	JCP	EGC	JAV	AS SHOWN	APRIL 2016	14907.14	GIS/Projects/AnnualReport 2016/Roxy_Figure4B

NEW YORK STATE OF OPPORTUNITY Department of Environmental Conservation



Legend

- Overburden Monitoring Well
- Bedrock Monitoring Well
- Recovery Well
- Other Monitoring Well

PCE = Tetrachloroethene
TCE = Trichloroethene
DCE = cis-1,2 Dichloroethene

NYSDEC AWQS	(µg/L)
PCE	5
TCE	5
DCE	5

Bold: Concentration exceeded 6 New York State Department of Environmental Conservation (NYSDEC) Ambient Water Quality Standard (AWQS)

J = Analyte detected, estimated concentration
D = Diluted sample
E = Exceeded calibration range

ANNUAL SUMMARY REPORT FOR SITE MANAGEMENT ACTIVITIES ROXY CLEANERS SITE (Site No. 4-42-024) NORTH GREENBUSH, NEW YORK

FIGURE 5 CVOC CONCENTRATIONS FEBRUARY 2016

0 130 260
Feet

1 inch = 125 feet

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
JCH	JCP	EGC	JAV	AS SHOWN	APRIL 2016	14907.14	GIS/Projects/AnnualReport 2016/Roxy_Figure5

NEW YORK STATE OF OPPORTUNITY. Department of Environmental Conservation





Legend

- Overburden Monitoring Well
- Recovery Well
- Other Monitoring Well
- Roxy Cleaners
- CVOC Isopleth

MW-99
PCE 999

----- Well ID

----- Tetrachloroethene (µg/L)

PCE data for RW-2 and RW-3 is from January 22, 2016 O&M influent sampling

Note:
J = Analyte detected, estimated concentration
E = Exceeded calibration range

ANNUAL SUMMARY REPORT FOR SITE MANAGEMENT ACTIVITIES ROXY CLEANERS SITE (Site No. 4-42-024) NORTH GREENBUSH, NEW YORK

FIGURE 6 OVERBURDEN PCE ISOPLETH MAP FEBRUARY 2016

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
JCH	JCP	EGC	JAV	AS SHOWN	APRIL 2016	14907.14	GIS/Projects/AnnualReport 2016/Roxy_Figure6

0 160 320
Feet

1 inch = 160 feet

NEW YORK STATE OF OPPORTUNITY Department of Environmental Conservation

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Tables

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Table 1A Summary of Detected Volatile Organic Compounds for Treatment System Samples (November 2010 through March 2016)

Parameter	RW-01																NYSDEC AWQS Values (µg/L)
	19-Nov-10	**17-Dec-10**	**21-Jan-11**	**18-Feb-11**	**24-Mar-11**	**15-Apr-11**	**13-May-11**	**17-Jun-11**	**22-Jul-11**	**19-Aug-11**	**16-Sep-11**	**14-Oct-11**	**22-Nov-11**	**23-Dec-11**	**27-Jan-12**	**24-Feb-12**	**30-Mar-12**	
Tetrachloroethene	**530**	**434**	**268**	**514**	**450**	**320**	**420**	**360**	**360**	**350**	**350**	NS	NS	NS	NS	NS	**350**	5
Trichloroethene	**59.0**	**40.8**	**32.6**	**44.6**	**38.0**	**38.0**	**49.0**	**34.0**	**37.0**	**33.0**	**32.0**	NS	NS	NS	NS	NS	**24.0**	5
cis 1,2-dichloroethene	**91.0**	**74.0**	**68.0**	**90.8**	**77.0**	**95.0**	**140**	**51.0**	**95.0**	**82.0**	**82.0**	NS	NS	NS	NS	NS	**53.0**	5
Total Flow (gallons)	480,410	962,270	1,445,400	1,930,060	2,415,540	2,901,190	3,387,380	3,875,650	4,366,310	4,858,840	5,353,940	5,850,210	6,348,510	6,848,120	7,348,930	7,850,570	8,354,380	
	480,410	481,860	483,130	484,660	485,480	485,650	486,190	488,270	490,660	492,530	495,100	496,270	498,300	499,610	500,810	501,640	503,810	
Gallons between samples	1,991	1,450	1,270	1,530	820	170	540	2,080	2,390	1,870	2,570	1,170	2,030	1,310	1,200	830	2,170	

Parameter	RW-02																NYSDEC AWQS Values (µg/L)
	19-Nov-10	**17-Dec-10**	**21-Jan-11**	**18-Feb-11**	**24-Mar-11**	**15-Apr-11**	**13-May-11**	**17-Jun-11**	**22-Jul-11**	**19-Aug-11**	**16-Sep-11**	**14-Oct-11**	**22-Nov-11**	**23-Dec-11**	**27-Jan-12**	**24-Feb-12**	**30-Mar-12**	
Tetrachloroethene	**360**	**418**	**227**	**371**	**180**	**180**	**130**	**160**	**260**	**180**	**56**	NS	NS	NS	NS	NS	**150**	5
Trichloroethene	ND	**11.1**	ND	ND	ND	ND	ND	ND	**6.1**	**5.1**	**23**	NS	NS	NS	NS	NS	ND	5
cis 1,2-dichloroethene	ND	**19.7**	**10.6**	**14.5**	ND	ND	ND	**7.4**	**15.0**	**13.0**	**190**	NS	NS	NS	NS	NS	ND	5
	5,566,970	5,610,480	5,751,150	5,823,980	5,938,610	6,023,080	6,126,710	6,294,230	6,426,580	6,522,940	6,525,190	6,580,260	6,731,880	6,850,580	6,983,980	7,088,930	7,219,110	
Total Flow (gallons)	5,566,970	11,177,450	16,928,600	22,752,580	28,691,190	34,714,270	40,840,980	47,135,210	53,561,790	60,084,730	66,609,920	73,190,180	79,922,060	86,772,640	93,756,620	100,845,550	108,064,660	
Gallons between samples	55	43,510	140,670	72,830	114,630	84,470	103,630	167,520	132,350	96,360	2,250	55,070	151,620	118,700	133,400	104,950	130,180	

Parameter	RW-03[b]																NYSDEC AWQS Values (µg/L)
	19-Nov-10	**17-Dec-10**	**21-Jan-11**	**18-Feb-11**	**24-Mar-11**	**15-Apr-11**	**13-May-11**	**17-Jun-11**	**22-Jul-11**	**19-Aug-11**	**16-Sep-11**	**14-Oct-11**	**22-Nov-11**	**23-Dec-11**	**27-Jan-12**	**24-Feb-12**	**30-Mar-12**	
Tetrachloroethene	**220**	**200**	**159**	**224**	**220**	**190**	**170**	**190**	**190**	**170**	**170**	NS	NS	NS	NS	NS	**170**	5
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	**5.2**	ND	ND	NS	NS	NS	NS	NS	ND	5
cis 1,2-dichloroethene	ND	ND	**8.2**	**11.2**	ND	**9.6**	**8.5**	**11.0**	**15.0**	**12.0**	**12.0**	NS	NS	NS	NS	NS	**9.2**	5
	8,248,130	8,676,770	9,222,169	9,508,100	9,957,170	289,160	702,300	1,226,910	1,606,230	1,950,670	2,363,030	2,762,850	3,311,580	3,738,900	39	438,500	976,740	
Total Flow (gallons)	8,248,130	16,924,900	26,147,069	35,655,169	45,612,339	45,901,499	46,603,799	47,830,709	49,436,939	51,387,609	53,750,639	56,513,489	59,825,069	63,563,969	63,564,008	64,002,508	64,979,248	
Gallons between samples	441,920	428,640	545,399	285,931	449,070	-9,668,010	413,140	524,610	379,320	344,440	412,360	399,820	548,730	427,320	NA	438,461	538,240	

Parameter	SYSTEM EFFLUENT																Effluent Limitations Daily Max. Load [a]
	19-Nov-10	**17-Dec-10**	**21-Jan-11**	**18-Feb-11**	**24-Mar-11**	**15-Apr-11**	**13-May-11**	**17-Jun-11**	**22-Jul-11**	**19-Aug-11**	**16-Sep-11**	**14-Oct-11**	**22-Nov-11**	**23-Dec-11**	**27-Jan-12**	**24-Feb-12**	**30-Mar-12**	
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	ND	10
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	ND	10
cis 1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	ND	10
	14,295,510	14,769,110	15,456,449	15,816,740	16,381,260	6,797,890	7,315,200	8,009,410	8,523,470	8,966,140	9,383,320	15,193,320	16,391,970	17,437,600	7,484,829	8,029,070	8,699,660	
Total Flow (gallons)	14,295,510	29,064,620	44,521,069	60,337,809	76,719,069	83,516,959	90,832,159	98,841,569	107,365,039	116,331,179	125,714,499	140,907,819	157,299,789	174,737,389	182,222,218	190,251,288	198,950,948	
Gallons between samples	443,966	473,600	687,339	360,291	564,520	-9,583,370	517,310	694,210	514,060	442,670	417,180	5,810,000	1,198,650	1,045,630	-9,952,771	544,241	670,590	

(a) Treatment effluent limitations and monitoring requirements set forth in the Treatment System Operations and Maintenance Manual Dated July 1997

(b) System down from 1/6/2012 to 1/27/2012. Flow rate re-started on 1/27/2012 at 39 gallons.

NOTE: NYSDEC = New State Department of Environmental Conservation
AWQS = Ambient Water Quality Standard
NS = Not sampled.
ND = Non-detect.
All samples are reported in micrograms per liter (µg/L)
All samples analyzed by U.S. Environmental Protection Agency Method 624
Bold values indicate that the analyte was detected greater than the NYDEC Ambient Water Quality Standards.
Analytical data results provided by New York State Department of Environmental Conservation Laboratories.

Table 1A Summary of Detected Volatile Organic Compounds for Treatment System Samples (November 2010 through March 2016)

Parameter	RW-01																NYSDEC AWQS Values (µg/L)
	27-Apr-12	**13-Jul-12**	**21-Aug-12**	**21-Sep-12**	**19-Oct-12**	**16-Nov-12**	**14-Dec-12**	**25-Jan-13**	**15-Feb-13**	**22-Mar-13**	**19-Apr-13**	**17-May-13**	**21-Jun-13**	**19-Jul-13**	**23-Aug-13**	**20-Sep-13**	**18-Oct-13**	
Tetrachloroethene	**360**	**320**	**310**	**310**	**200**	**380**	**440**	**460**	**400**	**340**	**340**	**350**	**83**	**400**	**400**	**410**	**390**	5
Trichloroethene	**30**	**29**	**33**	**31**	**24**	**28**	**31**	**38**	**32**	**28**	**30**	**28**	**6.3**	**33**	**32**	**35.0**	**33.0**	5
cis 1,2-dichloroethene	**74**	**71**	**85**	**76**	**34**	**63**	**62**	**80**	**65**	**63**	**57**	**42**	**9.0**	**72.0**	**61.0**	**65.0**	**69.0**	5
Totalizer Reading (gallons)	505,060	507,930	509,760	511,790	513,160	514,970	515,940	518,000	519,150	520,920	522,080	524,140	526,360	527,690	530,470	532,410	534,040	
Total Flow (gallons)	2,007,120	2,009,990	2,011,820	2,013,850	2,015,220	2,017,030	2,018,000	2,020,060	2,021,210	2,022,980	2,024,140	2,026,200	2,028,420	2,029,750	2,032,530	2,034,470	2,036,100	
Gallons between samples	1,250	2,870	1,830	2,030	1,370	1,810	970	2,060	1,150	1,770	1,160	2,060	2,220	1,330	2,780	1,940	1,630	

Parameter	RW-02																NYSDEC AWQS Values (µg/L)
	27-Apr-12	**13-Jul-12**	**21-Aug-12**	**21-Sep-12**	**19-Oct-12**	**16-Nov-12**	**14-Dec-12**	**25-Jan-13**	**15-Feb-13**	**22-Mar-13**	**19-Apr-13**	**17-May-13**	**21-Jun-13**	**19-Jul-13**	**23-Aug-13**	**20-Sep-13**	**18-Oct-13**	
Tetrachloroethene	**180**	**160**	**170**	**210**	**140**	**220**	**260**	**220**	**200**	**180**	**170**	**190**	**77**	**160**	**240**	**270**	**280**	5
Trichloroethene	ND	ND	**6.5**	ND	**5.4**	**5.7**	**6.6**	**7.6**	**5.8**	4.6	**4.7**	**5.3**	2.0	**5**	**7.7**	**10**	**8.6**	5
cis 1,2-dichloroethene	**9.9**	**9.6**	**11**	**5.9**	**7.8**	**11**	**9.8**	**9.8**	**8.1**	**7.6**	**7.3**	**6.7**	2.2	**6.8**	**13.0**	**13**	**18**	5
Totalizer Reading (gallons)	7,321,640	7,522,520	7,681,280	7,794,460	7,896,260	7,991,600	8,044,520	8,195,480	8,246,560	8,359,150	8,436,690	8,508,390	8,605,720	8,653,510	8,729,600	8,780,640	8,842,590	
Total Flow (gallons)	28,164,980	28,365,860	28,524,620	28,637,800	28,739,600	28,834,940	28,887,860	29,038,820	29,089,900	29,202,490	29,280,030	29,351,730	29,449,060	29,496,850	29,572,940	29,623,980	29,685,930	
Gallons between samples	102,530	48,990	158,760	113,180	101,800	95,340	52,920	150,960	51,080	112,590	77,540	71,700	97,330	47,790	76,090	51,040	61,950	

Parameter	RW-03																NYSDEC AWQS Values (µg/L)
	27-Apr-12	**13-Jul-12**	**21-Aug-12**	**21-Sep-12**	**19-Oct-12**	**16-Nov-12**	**14-Dec-12**	**25-Jan-13**	**15-Feb-13**	**22-Mar-13**	**19-Apr-13**	**17-May-13**	**21-Jun-13**	**19-Jul-13**	**23-Aug-13**	**20-Sep-13**	**18-Oct-13**	
Tetrachloroethene	**170**	**150**	**180**	**170**	**200**	**170**	**220**	**220**	**180**	**180**	**170**	**160**	**99**	**190**	**210**	**200**	**200**	5
Trichloroethene	ND	ND	ND	ND	4.1	3.9	1.9	**5.7**	4.2	4.5	**4.3**	3.8	2.2	4.8	4.9	**6.2**	4.6	5
cis 1,2-dichloroethene	**8.5**	**8.8**	**5.9**	**9.8**	**7.9**	**8.9**	**7.3**	**11**	**8.1**	**7.9**	**7.5**	**5.9**	3.2	**8**	**8.7**	**8.5**	**8.9**	5
Totalizer Reading (gallons)	1,395,100	2,575,700	3,095,920	3,476,030	3,856,040	4,239,400	4,425,350	5,009,650	5,221,270	5,705,660	6,087,300	6,461,840	6,934,420	7,213,160	7,753,270	8,106,580	8,455,690	
Total Flow (gallons)	5,285,159	6,465,759	6,985,979	7,366,089	7,746,099	8,129,459	8,315,409	8,899,709	9,111,329	9,595,719	9,977,359	10,351,899	10,824,479	11,103,219	11,643,329	11,996,639	12,345,749	
Gallons between samples	418,360	257,780	520,220	380,110	380,010	383,360	185,950	584,300	211,620	484,390	381,640	374,540	472,580	278,740	540,110	353,310	349,110	

Parameter	SYSTEM EFFLUENT																Effluent Limitations Daily Max. Load [a]
	27-Apr-12	**13-Jul-12**	**21-Aug-12**	**21-Sep-12**	**19-Oct-12**	**16-Nov-12**	**14-Dec-12**	**25-Jan-13**	**15-Feb-13**	**22-Mar-13**	**19-Apr-13**	**17-May-13**	**21-Jun-13**	**19-Jul-13**	**23-Aug-13**	**20-Sep-13**	**18-Oct-13**	
Tetrachloroethene	ND	1.3	ND	ND	1.6	ND	1.3	1.1	ND	1.1	ND	1.9	ND	3.2	2.6	ND	ND	10
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
cis 1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
Totalizer Reading (gallons)	9,221,800	10,606,150	11,286,960	11,782,280	12,265,460	12,745,970	12,985,810	13,723,130	13,986,980	14,585,730	15,046,070	15,494,370	16,066,500	16,394,360	17,013,340	17,419,630	17,832,320	
Total Flow (gallons)	35,457,259	36,841,609	37,522,419	38,017,739	38,500,919	38,981,429	39,221,269	39,958,589	40,222,439	40,821,189	41,281,529	41,729,829	42,301,959	42,629,819	43,248,799	43,655,089	44,067,779	
Gallons between samples	522,140	306,860	680,810	495,320	483,180	480,510	239,840	737,320	263,850	598,750	460,340	448,300	572,130	321,810	618,980	406,290	412,690	

Table 1A Summary of Detected Volatile Organic Compounds for Treatment System Samples (November 2010 through March 2016)

Parameter	RW-01														
	15-Nov-13	**20-Dec-13**	**24-Jan-14**	**28-Feb-14**	**21-Mar-14**	**18-Apr-14**	**16-May-14**	**13-Jun-14**	**18-Jul-14**	**22-Aug-14**	**12-Sep-14**	**17-Oct-14**	**21-Nov-14**	**12-Dec-14**	NYSDEC AWQS Values (µg/L)
Tetrachloroethene	**270**	**330**	**170**	**340**	**350**	**280**	**310**	**320**	**340**	**320**	**300**	**300**	**300**	**280**	5
Trichloroethene	**22.0**	**29.0**	**3.6**	**33.0**	**30.0**	**29.0**	**28**	**30**	**29**	**29**	**26**	**26.0**	**29**	**26**	5
cis 1,2-dichloroethene	**38.0**	**50**	**6.3**	**70.0**	**61.0**	**58.0**	**66**	**62**	**44**	**58**	**49**	**64.0**	**59**	**47**	5
Totalizer Reading (gallons)	535,040	538,190	539,336	541,150	542,590	544,320	545,990	546,820	548,236	550,110	551,079	553,480	556,030	556,510	
Total Flow (gallons)	2,037,100	2,040,250	2,041,396	2,043,210	2,044,650	2,046,380	2,048,050	2,048,880	2,046,066	2,047,940	2,048,909	2,051,310	2,053,860	2,054,340	
Gallons between samples	1,000	3,150	1,146	1,814	1,440	1,730	1,670	830	1,416	1,874	969	2,401	2,550	480	
Parameter	RW-02														
	15-Nov-13	**20-Dec-13**	**24-Jan-14**	**28-Feb-14**	**21-Mar-14**	**18-Apr-14**	**16-May-14**	**13-Jun-14**	**18-Jul-14**	**22-Aug-14**	**12-Sep-14**	**17-Oct-14**	**21-Nov-14**	**12-Dec-14**	NYSDEC AWQS Values (µg/L)
Tetrachloroethene	**140**	**200**	**130**	**140**	**250**	**160**	**170**	**210**	**230**	**250**	**260**	**210**	**340**	**320**	5
Trichloroethene	3.2	**6.4**	2.3	**10**	**7.3**	**5.6**	**4.8**	**7.0**	**9.2**	**8.5**	**9**	**8.6**	**10.0**	**11**	5
cis 1,2-dichloroethene	**5.7**	**9.4**	**1.5**	**19.0**	**12.0**	**8.2**	**7.9**	**12**	**10**	**18**	**16**	**18.0**	**15**	**23**	5
Totalizer Reading (gallons)	8,909,870	8,999,880	9,084,303	365	48,782	84,773	137,880	189,376	240,160	293,431	319,953	361,459	380,054	397,795	
Total Flow (gallons)	29,753,210	29,843,220	29,927,643	29,928,008	29,976,425	30,012,416	30,065,523	30,117,019	30,027,209	30,080,480	30,107,002	30,148,508	30,167,103	30,184,844	
Gallons between samples	67,280	90,010	84,423	365	48,417	35,991	53,107	51,496	50,784	53,271	26,522	41,506	18,595	17,741	
Parameter	RW-03[b]														
	15-Nov-13	**20-Dec-13**	**24-Jan-14**	**28-Feb-14**	**21-Mar-14**	**18-Apr-14**	**16-May-14**	**21-Mar-14**	**18-Jul-14**	**22-Aug-14**	**12-Sep-14**	**17-Oct-14**	**21-Nov-14**	**12-Dec-14**	NYSDEC AWQS Values (µg/L)
Tetrachloroethene	**170**	**170**	**220**	**170**	**180**	**150**	**170**	**200**	**180**	**200**	**150**	**160**	**170**	**170**	5
Trichloroethene	**5.3**	**5.2**	22	**4.2**	4.4	4	3.8	3.8	4.2	**8.5**	3.8	3.4	**10**	**4.5**	5
cis 1,2-dichloroethene	**16**	**7.7**	**54.0**	**6.9**	**7.4**	**6.5**	**6.4**	**8.1**	**6.7**	**18**	**5.2**	**7.1**	**15**	**5.9**	5
Totalizer Reading (gallons)	8,800,260	9,232,114	9,671,068	9,933,200	193,240	543,650	880,390	1,205,050	1,591,551	1,962,810	2,172,839	2,503,950	2,855,230	2,993,320	
Total Flow (gallons)	12,690,319	13,122,173	13,561,127	13,823,259	14,083,299	14,433,709	14,770,449	15,095,109	14,469,800	14,841,059	15,051,088	14,414,410	14,765,690	14,903,780	
Gallons between samples	344,570	431,854	438,954	262,132	260,040	350,410	336,740	324,660	386,501	371259	210,029	331,111	351,280	138,090	
Parameter	SYSTEM EFFLUENT														Effluent Limitations Daily Max. Load [a]
	15-Nov-13	**20-Dec-13**	**24-Jan-14**	**28-Feb-14**	**21-Mar-14**	**18-Apr-14**	**16-May-14**	**13-Jun-14**	**18-Jul-14**	**22-Aug-14**	**12-Sep-14**	**17-Oct-14**	**21-Nov-14**	**12-Dec-14**	
Tetrachloroethene	1.1	1.8	2.6	ND	1.9	1.2	ND	1.3	ND	ND	2	ND	1.3	ND	10
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
cis 1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
Totalizer Reading (gallons)	18,245,170	18,770,184	19,294,707	19,559,018	19,868,915	21,041,658	21,433,175	21,810,161	22,248,862	22,675,266	22,912,786	26,331,675	26,704,100	26,860,411	
Total Flow (gallons)	44,480,629	45,005,643	45,530,166	45,794,477	46,104,374	46,492,505	46,884,022	47,261,008	46,543,075	46,969,479	47,206,999	46,614,228	46,986,653	47,142,964	
Gallons between samples	412,850	525,014	524,523	264,311	309,897	388,131	391,517	376,986	438,701	426,404	237,520	375,018	372,425	156,311	

Table 1A Summary of Detected Volatile Organic Compounds for Treatment System Samples (November 2010 through March 2016)

Parameter	RW-01														
	23-Jan-15	**27-Feb-15**	**20-Mar-15**	**17-Apr-15**	**22-May-15**	**19-Jun-15**	**24-Jul-15**	**14-Aug-15**	**18-Sep-15**	**28-Oct-15**	**20-Nov-15**	**18-Dec-15**	**22-Jan-16**	**25-Mar-16**	NYSDEC AWQS Values (µg/L)
Tetrachloroethene	**320**	**370**	**360**	**250**	**360**	**380**	**300**	NS	NS	NS	NS	NS	NS	NS	5
Trichloroethene	**35.0**	**29.0**	**29.0**	**30.0**	**37.0**	**36.0**	**32**	NS	NS	NS	NS	NS	NS	NS	5
cis 1,2-dichloroethene	**71.0**	**62**	**94.0**	**52.0**	**75.0**	**66.0**	**72**	NS	NS	NS	NS	NS	NS	NS	5
Totalizer Reading (gallons)	557,440	559,380	560,800	561,940	563,960	564,850	567,010	567,190	567,190	567,190	567,190	567,190	567,190	567,190	
Total Flow (gallons)	2,055,270	2,057,210	2,058,630	2,059,770	2,061,790	2,062,680	2,060,790	2,060,970	2,060,970	2,060,970	2,060,970	2,060,970	2,060,970	2,060,970	
Gallons between samples	930	1,940	1,420	1,140	2,020	890	2,160	180	0	0	0	0	0	0	
Parameter	RW-02														
	23-Jan-15	**27-Feb-15**	**20-Mar-15**	**17-Apr-15**	**22-May-15**	**19-Jun-15**	**24-Jul-15**	**14-Aug-15**	**18-Sep-15**	**28-Oct-15**	**20-Nov-15**	**18-Dec-15**	**22-Jan-16**	**25-Mar-16**	NYSDEC AWQS Values (µg/L)
Tetrachloroethene	**220**	**260**	**260**	**160**	**270**	**350**	**310**	**160**	**500**	**560**	**450**	**460**	**420**	**420**	5
Trichloroethene	**8.2**	**7.4**	**8**	**7.5**	**11**	**12.0**	**11**	**4.0**	**18**	**20**	**17**	**17.0**	**15.0**	**14**	5
cis 1,2-dichloroethene	**16.0**	**13**	**20**	**11.0**	**19.0**	**18**	**23**	**5.2**	**32**	**34**	**36**	**42.0**	**30**	**25**	5
Totalizer Reading (gallons)	483,776	538,489	584,973	621,578	645,583	677,656	710,937	712,110	719,539	736,488	755,944	774,949	800,645	841,182	
Total Flow (gallons)	30,270,825	30,325,538	30,372,022	30,408,627	30,432,632	30,464,705	30,497,986	30,499,159	30,506,588	30,523,537	30,542,993	30,561,998	30,587,694	30,628,231	
Gallons between samples	85,981	54,713	46,484	223,783	24,005	32,073	313,142	1,173	7,429	16,949	19,456	19,005	25,696	40,537	
Parameter	RW-03[(b)]														
	23-Jan-15	**27-Feb-15**	**20-Mar-15**	**17-Apr-15**	**22-May-15**	**19-Jun-15**	**24-Jul-15**	**14-Aug-15**	**18-Sep-15**	**28-Oct-15**	**20-Nov-15**	**18-Dec-15**	**22-Jan-16**	**25-Mar-16**	NYSDEC AWQS Values (µg/L)
Tetrachloroethene	**170**	**210**	**NS**	NS	**190**	**200**	**150**	**150**	**190**	**190**	**170**	**160**	**190**	**210**	5
Trichloroethene	4.1	**7.4**	NS	NS	**11**	4	3.4	4	4.1	3.2	**17**	3.4	3.5	3.5	5
cis 1,2-dichloroethene	**7.1**	**13**	**NS**	NS	**19.0**	**5.4**	**6.6**	**5.2**	**5.7**	**5.6**	**36**	4.2	**6.4**	**6.1**	5
Totalizer Reading (gallons)	3,343,210	3,615,830	3,702,220	0	3,915,170	4,118,100	4,401,110	4,553,430	4,788,570	4,937,220	5,115,590	5,294,650	5,510,770	5,783,570	
Total Flow (gallons)	15,253,670	15,526,290	15,612,680	15,612,680	15,825,630	16,028,560	15,612,680	16,463,890	16,699,030	16,847,680	17,174,700	17,353,760	17,569,880	17,842,680	
Gallons between samples	349,890	272,620	86,390	0	212,950	202,930		851,210	235,140	148,650	327,020	179,060	216,120	272,800	
Parameter	SYSTEM EFFLUENT														Effluent Limitations Daily Max. Load [(a)]
	23-Jan-15	**27-Feb-15**	**20-Mar-15**	**17-Apr-15**	**22-May-15**	**19-Jun-15**	**24-Jul-15**	**14-Aug-15**	**18-Sep-15**	**28-Oct-15**	**20-Nov-15**	**18-Dec-15**	**22-Jan-16**	**25-Mar-16**	
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
cis 1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
Totalizer Reading (gallons)	35,192,462	35,521,735	35,656,029	31,991,554	35,932,749	36,168,642	36,487,093	36,640,766	36,883,335	43,124,233	43,322,059	43,520,124	50,398,729	50,712,066	
Total Flow (gallons)	47,579,765	47,909,038	48,043,332	48,081,077	48,320,052	48,555,945	48,171,456	49,024,019	49,266,588	49,432,187	49,778,663	49,976,728	50,218,544	50,531,881	
Gallons between samples	436,801	329,273	134,294	938,113	238,975	235,893	1,028,492	852,563	242,569	165,599	346,476	198,065	241,816	313,337	

Table 1B Summary of Detected Metal Compounds for Treatment System Samples (November 2010 through March 2012)

Parameter	SYSTEM EFFLUENT																	Effluent Limitations Daily Max. Load [a]
	19-Nov-10	**17-Dec-10**	**21-Jan-11**	**18-Feb-11**	**24-Mar-11**	**15-Apr-11**	**13-May-11**	**17-Jun-11**	**22-Jul-11**	**19-Aug-11**	**16-Sep-11**	**14-Oct-11**	**22-Nov-11**	**23-Dec-11**	**27-Jan-12**	**24-Feb-12**	**30-Mar-12**	
Iron	ND	ND	ND	ND	ND	2.12	0.155	ND	0.071	ND	ND	NS	NS	NS	NS	NS	ND	1000
Lead	ND	ND	ND	ND	ND	2.16	0.006	ND	0.010	ND	ND	NS	NS	NS	NS	NS	0.005	75
Total Suspended Solids [b]	10.5	7.0	1.5	17.5	10	ND	ND	14.0	2.5	ND	9.0	NS	NS	NS	NS	NS	**24.0**	20
Total Dissolved Solids [b]	412	400	418	352	375	340	390	357	380	375	415	NS	NS	NS	NS	NS	385	Monitor
Total Flow (gallons)[c]	14,295,510	29,064,620	44,521,069	60,337,809	76,719,069	83,516,959	90,832,159	98,841,569	107,365,039	116,331,179	125,714,499	140,907,819	157,299,789	174,737,389	182,222,218	190,251,288	198,950,948	
Gallons between samples	443,966	473,600	687,339	360,291	564,520	416,630	517,310	694,210	514,060	442,670	417,180	456,060	702,380	547,330	214,750	544,241	670,590	

(a) Treatment effluent limitations and monitoring requirements set forth in the Treatment System Operations and Maintenance Manual Dated July 1997

(b) Samples reported in milligrams per liter (mg/L)

(c) Flow meter at RW-03 reset to 0 gallons upon reaching 10,000,000 gallons during the Jan-Mar 2011 reporting period.

NOTE: ND = Non-detect.
NS = Not sampled.
Bold values indicate value greater than the discharge limitations

Table 2 Mass Loading Discharge Values Sample Results for November 2010 through March 2016

Parameter	19-Nov-10			17-Dec-10			21-Jan-11		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene (PCE)	0.0293	ND	0.0293	0.0311	ND	0.0311	0.0284	ND	0.0284
Trichloroethene (TCE)	0.00003	ND	0.00003	0.0002	ND	0.0002	0.00001	ND	0.00001
cis 1,2-dichloroethene (DCE)	0.0001	ND	0.0001	0.0003	ND	0.0003	0.0014	ND	0.0014

Parameter	18-Feb-11			24-Mar-11			15-Apr-11		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0274	ND	0.0274	0.0294	ND	0.0294	0.0297	ND	0.0297
Trichloroethene	0.00002	ND	0.00002	0.00001	ND	0.00001	0.000002	ND	0.000002
cis 1,2-dichloroethene	0.0013	ND	0.0013	0.00002	ND	0.00002	0.0012	ND	0.0012

Parameter	13-May-11			17-Jun-11			22-Jul-11		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0250	ND	0.0250	0.0303	ND	0.0303	0.0256	ND	0.0256
Trichloroethene	0.00001	ND	0.00001	0.00002	ND	0.00002	0.0007	ND	0.0007
cis 1,2-dichloroethene	0.0011	ND	0.0011	0.0017	ND	0.0017	0.0019	ND	0.0019

Parameter	19-Aug-11			16-Sep-11			14-Oct-11		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0228	ND	0.0228	0.0212	ND	0.0212	NS	NS	NA
Trichloroethene	0.0002	ND	0.0002	0.00004	ND	0.00004	NS	NS	NA
cis 1,2-dichloroethene	0.0016	ND	0.0016	0.0017	ND	0.0017	NS	NS	NA

Parameter	30-Mar-12			27-Apr-12			13-Jul-12		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0266	ND	0.0266	0.0239	ND	0.0239	0.0186	0.0013	0.0173
Trichloroethene	0.00001	ND	0.00001	0.0000085	ND	0.0000085	0.0000144	ND	0.0000144
cis 1,2-dichloroethene	0.0012	ND	0.0012	0.0011	ND	0.0011	0.0011	ND	0.0011

(a) Influent concentration calculated from analytical results and total gallons treated from RW-01, RW-02, and RW-03

NOTE: ND = Not Detected
All samples are reported in pounds per day (lbs./day)
Monthly data not available for November 2011 through February 2012, and May - June 2012.
Analytical data results provided by New York State Department of Environmental Conservation Laboratories

Table 2 Mass Loading Discharge Values Sample Results for November 2010 through March 2016

Parameter	21-Aug-12			21-Sep-12			19-Oct-12		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene (PCE)	0.0259	ND	0.0259	0.0239	ND	0.0239	0.0270	0.00160	0.0254
Trichloroethene (TCE)	0.000234	ND	0.000234	0.0000169	ND	0.0000169	0.000638	ND	0.000638
cis 1,2-dichloroethene (DCE)	0.00106	ND	0.00106	0.00122	ND	0.00122	0.00114	ND	0.00114

Parameter	16-Nov-12			14-Dec-12			25-Jan-13		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0257	ND	0.0257	0.0164	ND	0.0164	0.0323	0.00110	0.0312
Trichloroethene	0.000622	ND	0.000622	0.000218	ND	0.000218	0.000905	ND	0.000905
cis 1,2-dichloroethene	0.00136	ND	0.00136	0.000577	ND	0.000577	0.00160	ND	0.00160

Parameter	15-Feb-13			22-Mar-13			19-Apr-13		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0194	ND	0.0194	0.0257	0.00110	0.0246	0.0234	ND	0.0234
Trichloroethene	0.000485	ND	0.000485	0.000655	ND	0.000655	0.000608	ND	0.000608
cis 1,2-dichloroethene	0.000875	ND	0.000875	0.00114	ND	0.00114	0.00104	ND	0.00104

Parameter	17-May-13			21-Jun-13		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0221	0.00190	0.0202	0.01298	ND	0.01298
Trichloroethene	0.000554	ND	0.000554	0.000297	ND	0.000297
cis 1,2-dichloroethene	0.000827	ND	0.000827	0.000416	ND	0.000416

Table 2 Mass Loading Discharge Values Sample Results for November 2010 through March 2016

	19-Jul-13			23-Aug-13			20-Sep-13		
Parameter	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene (PCE)	0.0232	0.00	0.0200	0.0270	0.00	0.0244	0.0254	ND	0.0254
Trichloroethene (TCE)	0.000614	ND	0.000614	0.0006756	ND	0.0006756	0.000825	ND	0.000825
cis 1,2-dichloroethene (DCE)	0.00100	ND	0.00100	0.00119	ND	0.00119	0.00113	ND	0.00113

	18-Oct-13			15-Nov-13			20-Dec-13		
Parameter	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0262	ND	0.0262	0.0203	0.00	0.0192	0.0220	0.00180	0.0202
Trichloroethene	0.000653	ND	0.000653	0.000615	ND	0.000615	0.000694	ND	0.000694
cis 1,2-dichloroethene	0.00129	ND	0.00129	0.001768	ND	0.001768	0.00103	ND	0.00103

	24-Jan-14			28-Feb-14			21-Mar-14		
Parameter	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0257	0.00	0.0231	0.0108	ND	0.0108	0.0236	0.0019	0.0217
Trichloroethene	0.002348	ND	0.002348	0.000277	ND	0.000277	0.000612	ND	0.000612
cis 1,2-dichloroethene	0.005680	ND	0.005680	0.00046	ND	0.00046	0.00103	ND	0.00103

	18-Apr-14			16-May-14			13-Jun-14		
Parameter	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0175	0.00120	0.0163	0.01989	ND	0.01989	0.02249	0.00	0.02119
Trichloroethene	0.000492	ND	0.000492	0.000471	ND	0.000471	0.000433	ND	0.000433
cis 1,2-dichloroethene	0.000796	ND	0.000796	0.000776	ND	0.000776	0.000923	ND	0.000923

Table 2 Mass Loading Discharge Values Sample Results for November 2010 through March 2016

Parameter	18-Jul-14			22-Aug-14			12-Sep-14		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene (PCE)	0.0195	ND	0.0195	0.0210	ND	0.0210	0.0142	0.00200	0.0122
Trichloroethene (TCE)	0.000508	ND	0.000508	0.0005012	ND	0.0005012	0.000367	ND	0.000367
cis 1,2-dichloroethene (DCE)	0.00075	ND	0.00075	0.00064	ND	0.00064	0.00051	ND	0.00051

Parameter	17-Oct-14			21-Nov-14			12-Dec-14		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0149	ND	0.0149	0.0159	0.00	0.0159	0.0106	ND	0.0106
Trichloroethene	0.000368	ND	0.000368	0.000405	ND	0.000405	0.000283	ND	0.000283
cis 1,2-dichloroethene	0.00077	ND	0.00077	0.000626	ND	0.000626	0.00037	ND	0.00037

Parameter	23-Jan-15			27-Feb-15			20-Mar-15		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0156	ND	0.0156	0.0172	ND	0.0172	0.0002	ND	0.0002
Trichloroethene	0.000400	ND	0.000400	0.000400	ND	0.000400	0.000000	ND	0.000000
cis 1,2-dichloroethene	0.00080	ND	0.00080	0.000600	ND	0.000600	0.00010	ND	0.00010

Parameter	17-Apr-15			22-May-15			19-Jun-15		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0107	ND	0.0107	0.0114	ND	0.0114	0.0149	ND	0.0149
Trichloroethene	0.000500	ND	0.000500	0.000300	ND	0.000300	0.000400	ND	0.000400
cis 1,2-dichloroethene	0.00080	ND	0.00080	0.000400	ND	0.000400	0.00060	ND	0.00060

Table 2 Mass Loading Discharge Values Sample Results for November 2010 through March 2016

	24-Jul-15			14-Aug-15			18-Sep-15		
Parameter	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene (PCE)	0.0233	ND	0.0233	0.0508	ND	0.0508	0.0115	ND	0.0115
Trichloroethene (TCE)	0.000800	ND	0.000800	0.0012000	ND	0.0012000	0.000200	ND	0.000200
cis 1,2-dichloroethene (DCE)	0.00180	ND	0.00180	0.00170	ND	0.00170	0.00040	ND	0.00040

	28-Oct-15			20-Nov-15			18-Dec-15		
Parameter	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0079	ND	0.0079	0.0233	ND	0.0233	0.0111	ND	0.0111
Trichloroethene	0.000200	ND	0.000200	0.000500	ND	0.000500	0.000200	ND	0.000200
cis 1,2-dichloroethene	0.00030	ND	0.00030	0.000800	ND	0.000800	0.00050	ND	0.00050

	22-Jan-15			25-Mar-16		
Parameter	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0124	ND	0.0124	0.0098	ND	0.0098
Trichloroethene	0.000300	ND	0.000300	0.000200	ND	0.000202
cis 1,2-dichloroethene	0.00050	ND	0.00050	0.000400	ND	0.000354

Table 3 Summary of Groundwater Table Elevations (February 2016)

Well Number	TOIC Elevation (ft AMSL)	Depth to Water Level (ft)	Groundwater Table Elevation (ft AMSL)	Well Condition Notes
OVERBURDEN MONITORING WELLS				
MW-1	363.51	12.81	350.70	Flush mount interior needs replacement
MW-2	352.41	13.26	339.15	Rusty lid on steel casing, hard to open
MW-3	350.93	8.37	342.56	
MW-4	348.77	7.42	341.35	Rusty lid on steel casing, hard to open
MW-101A	357.41	WELL NOT GAUGED		Could not locate well
MW-102A	355.94	10.91	345.03	Needs bolts in flush mount cover
MW-103A	356.61	WELL NOT GAUGED		Could not locate well
MW-104A	368.47	Dry	---	
MW-105A	346.12	5.6	340.52	
MW-106A	351.68	10.9	340.78	
MW-107A	352.74	9.49	343.25	
MW-108A	351.19	7.04	344.15	
MW-111	356.15	9.31	346.84	
MW-112A	Not surveyed	14.2	---	
MW-113A	Not surveyed	7.05	---	
BEDROCK MONITORING WELLS				
MW-1B	363.77	13.02	350.75	
MW-2B	352.21	12.91	339.30	
MW-3B	349.92	7.03	342.89	
MW-4B	348.75	7.3	341.45	
MW-5B	349.91	WELL NOT GAUGED		Obstruction in well
MW-101	356.75	WELL NOT GAUGED		Could not locate well
MW-102	356.44	WELL NOT GAUGED		Obstruction in well
MW-104	368.12	23.66	344.46	
MW-105	346.94	5.36	341.58	
MW-106	351.91	11.5	340.41	PVC casing broken; no j-plug
MW-107	353.43	WELL NOT GAUGED		Not included in gauging/sampling program
MW-108	351.02	6.89	344.13	
MW-109	345.80	7.1	338.70	
MW-110B	354.09	WELL NOT GAUGED		Could not locate well
RECOVERY WELLS				
RW-1	351.58	RECOVERY WELL - NOT GAUGED		Not included in gauging/sampling program
RW-2	348.75	RECOVERY WELL - NOT GAUGED		Not included in gauging/sampling program
RW-3	348.03	RECOVERY WELL - NOT GAUGED		Not included in gauging/sampling program
TW, PIEZOMETER, AND UNKNOWN WELLS				
TW-1	---	WELL NOT GAUGED		Not included in gauging/sampling program
TW-2	---	WELL NOT GAUGED		Not included in gauging/sampling program
TW-3	---	WELL NOT GAUGED		Not included in gauging/sampling program
TW-4	356.39	WELL NOT GAUGED		Not included in gauging/sampling program
TW-5	---	10.13	---	flush mount loose, needs new flush mount
PZ-1	352.17	WELL NOT GAUGED		Could not locate well
PZ-2	361.96	WELL NOT GAUGED		Not included in gauging/sampling program
PZ-3	---	WELL NOT GAUGED		Not included in gauging/sampling program
PZ-4	---	WELL NOT GAUGED		Not included in gauging/sampling program
PW-1	---	WELL NOT GAUGED		Not included in gauging/sampling program
SSI	---	WELL NOT GAUGED		Not included in gauging/sampling program
MW-N	---	WELL NOT GAUGED		Not included in gauging/sampling program
UNKN1	---	WELL NOT GAUGED		Not included in gauging/sampling program

NOTE:
TOIC = Top of Inner Casing
AMSL = Above Mean Sea Level
NA =
TW = Temporary Wells
--- =

Table 4 Summary of Detected Volatile Organic Compounds in Groundwater Samples Collected February 8-10, 2016

VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B (µg/L)

Parameters List	MW-1		MW-1B		MW-2		MW-2B		Duplicate		MW-3		MW-3B		MW-4		NYSDEC AWQS (µg/L)
Acetone		U		U		U		U		U		U		U		U	50 (g)
Carbon Disulfide		U	1.8	J		U		U	1.4	J		U		U		U	NS
Chloroform		U		U		U		U		U		U		U		U	7
cis-1,2 Dichloroethene		U		U	2.4	J	4.2	J	4.2	J		U	0.68	J		U	5
trans-1,2 Dichloroethene		U		U		U		U		U		U		U		U	5
Tetrachloroethene		U		U	**30**			U		U		U		U		U	5
Toluene		U		U		U		U		U		U		U		U	5
Trichloroethene		U		U		U		U		U		U		U		U	5
Vinyl chloride		U		U		U	0.66	J	0.7	J		U	0.55	J		U	2

Parameters List	MW-4B		TW-5		MW-102A		MW-104		MW-105[(c)]		MW-105A[(c)]		MW-106		MW-106A		NYSDEC AWQS (µg/L)
Acetone		U		U		U		U		U	1.6	J	24			U	50 (g)
Carbon Disulfide		U		U		U		U		U		U		U		U	NS
Chloroform		U		U	2.8	J		U		U		U		U		U	7
cis-1,2 Dichloroethene		U	0.99	J		U		U		U	0.58	J		J		U	5
trans-1,2 Dichloroethene		U		U		U		U		U		U		U		U	5
Tetrachloroethene		U	**26**		1	J		U		U	1.5	J		U		U	5
Toluene		U		U		U		U		U		U	0.33	J		U	5
Trichloroethene		U	1.9	J		U		U		U	0.73	J		U		U	5
Vinyl chloride		U		U		U		U		U		U		U		U	2

Parameters List	MW-107A		MW-108		MW-108A		MW-109		MW-111		MW-112A		MW-113A			NYSDEC AWQS (µg/L)
Acetone		U		U		U	5.9	J		U		U	1.7	J		50 (g)
Carbon Disulfide		U		U		U		U		U		U		U		NS
Chloroform		U		U		U		U	1.1	J		U		U		7
cis-1,2 Dichloroethene	1.3	J		U		U		U		U		U		U		5
trans-1,2 Dichloroethene		U		U		U		U		U		U		U		5
Tetrachloroethene	**15**		0.97	J		U		U	3.9	J		U		U		5
Toluene		U		U		U		U		U		U		U		5
Trichloroethene	1.9	J		U		U		U		U		U		U		5
Vinyl chloride		U		U		U		U		U		U		U		2

(a) MW-103A was reanalyzed at larger dilutions to bring target analytes within the calibration range of the method

(b) Duplicate sample was collected from MW-101

(c) Sample bottles for MW-105 and MW-105A were mislabeled in the field.

NOTE: µg/L = Micrograms per liter
NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standard
U = Analyte was analyzed for, but not detected below the laboratory reporting limit
J = Analyte detected below the PQL
(g) = NYSDEC Ambient Water Quality Standards guidance value
NS = No Standard
Analytical data results provided by Chemtech Consulting Group.
Bold values indicate that the analyte was detected greater than the NYSDEC Ambient Water Quality Standards.

Table 5 Historical Groundwater Analytical Results

DATE	MW-1			MW-1B			MW-2			MW-2B			MW-3			MW-3B			MW-4			MW-4B		
	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
October 1989	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
November 1991	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
February 1992	<1	---	---	<1	---	---	**610**	---	---	<1	---	---	<1	---	---	6	---	---	<1	---	---	<1	---	---
June 1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5	---	---	---	---	---	---	---	---
July 17, 1997	---	---	---	---	---	---	**160**	**5**	**5.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---
November 4, 1997	---	---	---	---	---	---	**140**	ND	**9**	1	ND	ND	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---
July 14, 1998	---	---	---	---	---	---	**170**	ND	**9**	ND	ND	0.3	ND	ND	ND	0.6	ND	ND	---	---	---	---	---	---
November 4, 1998	---	---	---	---	---	---	**57**	ND	2.1	ND	ND	ND	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---
July 14, 1999	---	---	---	---	---	---	**32**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---
December 8, 1999	---	---	---	---	---	---	**66**	ND	4	ND	ND	1	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---
May 2005	---	---	---	---	---	---	**8.3**	---	1.0J	---	---	1.7	---	---	---	---	---	---	---	---	---	---	---	---
October 2005	---	---	---	---	---	---	**74**	---	**12**	---	---	1.2	---	---	---	0.3 J	---	---	---	---	---	---	---	---
September 1, 2008	ND	ND	ND	ND	ND	ND	**119**	0.42	**10.2**	ND	ND	3.85	ND	ND	ND	0.38	ND	ND	ND	ND	ND	ND	ND	ND
August 24, 2009	ND	ND	ND	ND	ND	ND	**36.7**	ND	2.56	ND	ND	4.62	ND	ND	ND	0.22 J	ND	ND	ND	ND	ND	ND	ND	ND
November 22-23, 2010	ND	ND	ND	ND	ND	ND	**22.9**	ND	1.4	ND	ND	4.44	ND	ND	ND	ND	ND	0.68	ND	ND	ND	ND	ND	ND
March 21-22, 2012	ND	ND	ND	ND	ND	ND	3.12	ND	ND	ND	ND	0.43 J	0.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
July 23-24, 2013	NS	NS	NS	ND	ND	ND	**6.7**	ND	0.5 J	1.3 J	ND	ND	ND	ND	ND	ND	ND	0.87 J	ND	ND	ND	ND	ND	ND
November 10-11, 2014	ND	ND	ND	ND	ND	ND	**7**	ND	ND	ND	ND	3.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
February 8-10, 2016	ND	ND	ND	ND	ND	ND	**30**	ND	1.8 J	ND	ND	4.2 J	ND	ND	ND	ND	ND	0.68 J	ND	ND	ND	ND	ND	ND

DATE	MW-101			MW-101A			MW-102			MW-102A			MW-103			MW-103A			MW-104			MW-104A		
	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
October 1989	**1,400**	---	---	**24**	---	---	<5	---	---	<5	---	---	**450**	---	---	**1,500**	---	---	<5	---	---	<5	---	---
November 1991	**2,300**	---	---	**24**	---	---	<5	---	---	<5	---	---	**370**	---	---	**1,300**	---	---	<5	---	---	<5	---	---
February 1992	**530**	---	---	**28**	---	---	<1	---	---	2	---	---	**610**	---	---	**13,000**	---	---	<1	---	---	<1	---	---
June 1992	**1,200**	---	---	**20**	---	---	---	---	---	---	---	---	**800**	---	---	**5,000**	---	---	---	---	---	---	---	---
July 17, 1997	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**3,200**	**24**	**18**	ND	ND	ND	---	---	---
November 4, 1997	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**560**	**7**	ND	ND	ND	ND	---	---	---
July 14, 1998	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**1,200**	**8**	**12**	ND	ND	ND	---	---	---
November 4, 1998	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**160**	2.6	ND	ND	ND	ND	---	---	---
July 14, 1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**690**	**6**	**6.1**	ND	ND	ND	---	---	---
December 8, 1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**250**	**10**	2	NS	NS	NS	---	---	---
May 2005	**33**	1.1 J		4.7 J	---	---	---	---	---	0.83 J	---	---	---	---	---	**260 D**	**10**	**14**	---	---	---	---	---	---
October 2005	**91**	4.4 J	4.4 J	**16**	---	---	---	---	---	---	---	---	---	---	---	**240 D**	**7.2**	**6.4**	---	---	---	---	---	---
May 12 and 13, 2008	**34.5**	0.81	0.54	**7.57**	ND	ND	1.65	ND	ND	---	---	---	---	---	---	**412**	**9.33**	**13.7**	ND	0.13	ND	---	---	---
August 24, 2009	**29.3**	0.37 J	0.40 J	---	---	---	NS	NS	NS	1.29	ND	ND	---	---	---	**397**	**8.00 J**	**14.8**	ND	ND	ND	---	---	---
November 22-23, 2010	15.7	0.13	ND	NS	NS	NS	N S	NS	NS	1.14	ND	ND	NS	NS	NS	**437**	**9.8**	**16**	ND	ND	ND	NS	NS	NS
March 21-22, 2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.22	ND	ND	NS	NS	NS	**379**	**11.8**	**23.4**	ND	ND	ND	NS	NS	NS
July 23-24, 2013	ND	ND	ND	NS	NS	NS	NS	NS	NS	0.72 J	ND	ND	NS	NS	NS	**360 E**	**11**	**19**	ND	ND	ND	NS	NS	NS
November 10-11, 2014	**11**	ND	ND	NS	NS	NS	NS	NS	NS	.09 J	ND	ND	NS	NS	NS	**320**	**13**	**36**	ND	ND	ND	NS	NS	NS
February 8-10, 2016	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 J	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS

DATE	**MW-105**			**MW-105A**			**MW-106**			**MW-106A**			**MW-107**			**MW-107A**			**MW-108**			**MW-108A**		
	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
October 1989	<5	---	---	<5	---	---	<5	---	---	<5	---	---	**43**	---	---	**750**	---	---	**9**	---	---	<5	---	---
November 1991	<5	---	---	<5	---	---	<5	---	---	<5	---	---	**130**	---	---	**940**	---	---	<5	---	---	<5	---	---
February 1992	<1	---	---	<1	---	---	<1	---	---	<1	---	---	**190**	---	---	**850**	---	---	4	---	---	<1	---	---
June 1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
July 17, 1997	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	**360**	**11**	**19.5**	ND	ND	ND	ND	ND	ND
November 4, 1997	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	---	---	---	**440**	**12**	**30**	3	ND	ND	ND	ND	ND
July 14, 1998	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	**500**	**11**	**24**	5	ND	ND	ND	ND	ND
November 4, 1998	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	---	---	---	**340**	**11**	**18**	2	ND	ND	ND	ND	ND
July 14, 1999	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	**230**	**6.7**	**14**	2.2	ND	ND	ND	ND	ND
December 8, 1999	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	**230**	**6.7**	**14**	3	ND	ND	ND	ND	ND
May 2005	---	---	0.3 J	1.1 J	---	---	---	---	---	---	---	---	**11**	**6.4**	**26**	**10**	1.4 J	1.6 J	2.9	---	---	---	---	---
October 2005	---	---	---	1.4 J	---	12	---	---	---	---	---	---	**36**	**9.3**	**21**	**16**	---	4.1 J	1.2	---	---	---	---	---
May 12 and 13, 2008	0.11	ND	0.29	**21**	0.15	4.08	ND	0.13	ND	ND	ND	ND	---	---	---	**42.8**	2.42	2.07	3.01	ND	ND	ND	ND	ND
August 24, 2009	ND	ND	ND	**15.3**	0.14 J	3.02	ND	ND	ND	ND	ND	ND	---	---	---	**24.9**	2.23	3.94	1.58	ND	ND	ND	ND	0.19 J
November 22-23, 2010	ND	ND	ND	**7.98**	ND	1.22	ND	ND	ND	ND	ND	ND	---	---	---	**26.9**	3.3	**6.66**	1.25	ND	ND	ND	ND	0.17 J
March 21-22, 2012	ND	ND	ND	ND	ND	1.78	ND	ND	ND	ND	ND	ND	NS	NS	NS	**9.95**	0.71	0.56	1.64	ND	ND	ND	ND	0.14 J
July 23-24, 2013	ND	ND	ND	**8.1**	ND	0.76 J	ND	ND	ND	ND	ND	ND	NS	NS	NS	**18**	1.2 J	0.77 J	1.4 J	ND	ND	ND	ND	ND
November 10-11, 2014	ND	ND	ND	**5.3**	ND	3.2 J	ND	ND	ND	ND	ND	ND	NS	NS	NS	**16**	1.9 J	2.8 J	1.1 J	ND	ND	ND	ND	ND
February 8-10, 2016	ND	ND	ND	0.73 J	0.73 J	0.58 J	ND	ND	ND	ND	ND	ND	NS	NS	NS	**15**	1.9 J	1.3 J	0.97 J	ND	ND	ND	ND	ND

DATE	MW-109			MW-111			TW-5			PZ-01			MW-112A			MW-113A		
	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
October 1989	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
November 1991	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
February 1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
June 1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
July 17, 1997	ND	ND	ND	**8.9**	0.7	0.5	---	---	---	---	---	---	---	---	---	---	---	---
November 4, 1997	NS	NS	NS	**58**	4	**8**	---	---	---	---	---	---	---	---	---	---	---	---
July 14, 1998	ND	ND	ND	**19**	2	1	---	---	---	---	---	---	---	---	---	---	---	---
November 4, 1998	NS	NS	NS	**57**	**5.2**	**5.3**	---	---	---	---	---	---	---	---	---	---	---	---
July 14, 1999	ND	ND	ND	**22**	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---
December 8, 1999	NS	NS	NS	**40**	4	4	---	---	---	---	---	---	---	---	---	---	---	---
May 2005	---	---	---	1.4 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---
October 2005	---	---	---	**7.7**	---	---	---	---	---	---	---	---	---	---	---	---	---	---
May 12 and 13, 2008	ND	ND	ND	4.1	0.15	ND	**40.4**	2.73	1.5	---	---	---	---	---	---	---	---	---
August 24, 2009	ND	ND	ND	4.45	0.16 J	ND	**34.7**	2.88	1.68	---	---	---	---	---	---	---	---	---
November 22-23, 2010	ND	ND	ND	5.02	0.23 J	ND	**39.4**	3.02	2.13	---	---	---	---	---	---	---	---	---
March 21-22, 2012	ND	ND	ND	3.82	0.11 J	ND	**41.6**	2.44	1.23	---	---	---	---	---	---	---	---	---
July 23-24, 2013	NS	NS	NS	4.3 J	ND	ND	**33**	2.5 J	1.2 J	---	---	---	ND	ND	ND	ND	ND	ND
November 10-11, 2014	ND	ND	ND	3.6 J	ND	ND	**31**	2.7 J	1.2 J	ND	ND	1.3 J	ND	ND	ND	ND	ND	ND
February 8-10, 2016	ND	ND	ND	3.9 J	ND	ND	**26**	1.9 J	0.99 J	NS	NS	NS	ND	ND	ND	ND	ND	ND

NOTE: PCE = Tetrachloroethene
TCE = Trichloroethene
DCE = *cis* 1,2-dichloroethene
--- =
ND = The analyte was analyzed for, but was not detected above the sample reporting limit.
NS = Monitoring well not sampled
J =
Samples are reported in micrograms per liter (µg/L)
Bold values indicate that the analyte was detected greater than the NYSDEC AWQS of 5 µg/L per each analyte .

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Appendix A
Treatment System Effluent Limitations

Roxy Cleaners Site, North Greenbush (T), Rensselaer County
EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning April 1, 1995

and lasting until April 1, 2000

the discharges from the treatment facility to Wyantskill Creek shall be limited and monitored by the operator as specified below:

Outfall Number & Effluent Parameter	Discharge Limitations Daily Avg.	Daily Max.	Units	Minimum Monitoring Requirements Measurement Frequency	Sample Type
Outfall 001 - Remedial Discharge:					
Flow	60,000	90,000	GPD	Continuous	Meter
pH (range)	(6.0-9.0)		SU	Weekly	Grab
Total Suspended Solids	Monitor	20	mg/l	Monthly	Grab
Total Dissolved Solids	Monitor	Monitor	mg/l	Monthly	Grab
Iron, Total	Monitor	1000	µg/l	Monthly	Grab
Lead, Total	Monitor	75	µg/l	Monthly	Grab
Benzene	Monitor	10	µg/l	Monthly	Grab
n-Butylbenzene	Monitor	10	µg/l	Monthly	Grab
tert-Butylbenzene	Monitor	10	µg/l	Monthly	Grab
Chlorobenzene	Monitor	10	µg/l	Monthly	Grab
1,4-Dichlorobenzene	Monitor	10	µg/l	Monthly	Grab
cis-1,2-Dichloroethylene	Monitor	10	µg/l	Monthly	Grab
trans-1,2-Dichloroethylene	Monitor	10	µg/l	Monthly	Grab
MTBE	Monitor	50	µg/l	Monthly	Grab
Naphthalene	Monitor	10	µg/l	Monthly	Grab
Styrene	Monitor	10	µg/l	Monthly	Grab
Tetrachloroethylene	Monitor	10	µg/l	Monthly	Grab
Toluene	Monitor	10	µg/l	Monthly	Grab
Trichloroethylene	Monitor	10	µg/l	Monthly	Grab
1,2,4-Trimethylbenzene	Monitor	10	µg/l	Monthly	Grab
1,3,5-Trimethylbenzene	Monitor	10	µg/l	Monthly	Grab
Xylene, O	Monitor	10	µg/l	Monthly	Grab
Xylene, M	Monitor	10	µg/l	Monthly	Grab
Xylene, P	Monitor	10	µg/l	Monthly	Grab

Special Conditions:

(1) Discharge is not authorized until such time as an engineering submission showing the method of treatment is approved by the Department. The discharge rate may not exceed the effective treatment system capacity. All monitoring data, engineering submissions and modification requests must be submitted to the following DHWR contact person: _____

Appendix B
Treatment System Inspection List

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Jan yr 15 p.1/2

Action	Req'd Freq	Unit	Date of Inspection				
			1-2-15	1-8-15	1/16/15	1/25/15	1/30/15
RW-1 Flow Rate	W	gpm	2	2	3	3	3
Flow Total	W	gal	556770	556770	552810	557440	557460
Filter Prs IN	W	psi	6	2	6	6	6
Filter Prs OUT	W	psi	5	2	5	5	5
Water Level	W	feet	.001	.001	.001	.001	.001
RW-2 Flow Rate	W	gpm	2	2	6	6	6
Flow Total	W	gal	443663	455991	470753	483776	495271
Filter Prs IN	W	psi	15	10	8	8	10
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	offline	offline	—	—	—
RW-3 Flow Rate	W	gpm	6	6	12	12	12
Flow Total	W	gal	316610	321810	3285200	3343210	3399940
Filter Prs IN	W	psi	12	12	11	12	12
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	0	0	—	—	—
INFLUENT pH	W		7.0	6.7	6.8	6.7	6.9
EFFLUENT pH	W		6.8	6.6	6.7	6.7	6.6
INF Specific Conductance	W	mS/cm	651	654	641	654	701
EFF Spec Conductance	W	mS/cm	663	659	646	638	679
Carb #1 Prs Out	W	iwc	32	35	35	35	35
Carb #2 Prs Out	W	iwc	23	25	25	23	23
Carb #3 Prs Out	W	iwc	18	18	18	18	18
AirStripMaint: Inspect filter,leaks,booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.02	.02	.02	.02	.02
Back of Stripper Gauge	W	iwc	44	48	52	52	50
Magnehelic Gauge	W	iwc	.13	.13	.125	.125	.125
Replenished 1st Aid kit	As nec.	Y / N	NO	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	NO	NO	NO	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	NO	NO	NO	Yes	NO
RW-1 INF sample collected	M	Y / N	NO	NO	NO	Yes	NO
RW-2 INF sample collected	M	Y / N	NO	NO	NO	Yes IPup	NO
RW-3 INF sample collected	M	Y / N	NO	NO	NO	Yes	NO
Combo INF sample collect	M	Y / N	NO	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO	NO

NOTE: DOUBLE-SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

1-2-15 System running on arrival, take system readings, and perform system maint, system running ok

1-9-15 System running on arrival, take system readings, and perform system maint, system running ok

1/16/15 System Running on Arrival, take System Reading and Perform System Maint.

1/23/15 System Running on Arrival, Take System Readings and take System Samples. System Running OK.

1/30/15 System Running on Arrival Take System Readings and Perform System Maint. System Running OK

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Feb yr 15

Action	Req'd Freq	Unit	Date of Inspection 2/6/15	2/13/15	2-20-15	
RW-1 Flow Rate	W	gpm	3	3	3	3
Flow Total	W	gal	558110	558350	558940	559380
Filter Prs IN	W	psi	6	6	6	6
Filter Prs OUT	W	psi	5	5	5	5
Water Level	W	feet	0.01	0.01	.01	0.01
RW-2 Flow Rate	W	gpm	6	6	6	6
Flow Total	W	gal	506531	517039	527509	538489
Filter Prs IN	W	psi	10	10	10	11
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	—	—	—	—
RW-3 Flow Rate	W	gpm	12	12	12	12
Flow Total	W	gal	3456130	3511520	3563950	3615830
Filter Prs IN	W	psi	12	14	12	15
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	—	—	—	—
INFLUENT pH	W		6.7	6.5	6.6	6.5
EFFLUENT pH	W		6.7	6.8	6.9	6.8
INF Specific Conductance	W	mS/cm	6.72	6.62	6.65	6.23
EFF Specific Conductance	W	mS/cm	6.55	6.49	6.48	6.72
Carb #1 Prs Out	W	iwc	35	35	35	35
Carb #2 Prs Out	W	iwc	23	23	23	23
Carb #3 Prs Out	W	iwc	18	18	16	16
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	
Influent Air Gauge	W	iwc	.02	.02	.02	.02
Back of Stripper Gauge	W	iwc	5.2	53	56	58
Magnehelic Gauge	W	iwc	.125	.125	.125	.125
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	NO	NO	NO	Yes
RW-1 INF sample collected	M	Y / N	NO	NO	NO	Yes
RW-2 INF sample collected	M	Y / N	NO	NO	NO	Yes
RW-3 INF sample collected	M	Y / N	NO	NO	NO	Yes / Dup
Combo INF sample collected	M	Y / N	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 2/6/15 System Running on Arrival take System Readings. Perform System Maint, System Running ok.

Date: 2/13/15 System Running on Arrival, Take System Readings and Perform System Maint. Systems Running ok

Date: 2-20-15 System running on arrival, take system readings and perform system maint. System running ok

Date: 2/27/15 System Running on Arrival, Take System Reading. Perform System Maint and take samples and deliver to lab.

Date: _____

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Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

AES Work Order #

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
Dec Central Remediation	625 Broadway Albany NY	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Carl McGivern	Roxy Cleaners	Frank Talbot
Client Phone No:	**Client Email:**	**PO Number:**
518-402-9713		**Samplers: (Signature)**

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
	RW1	2/27/15	1230	A/P	WC		X	2	Fe, Cl
	RW2	2/27/15	1233	A/P	WC		X	2	Fe, Cl
	RW3	2/27/15	1234	A/P	WC		X	2	Fe, Cl
	Dup	2/27/15	1230	A/P	WC		X	2	Fe, Cl
	Effluent	2/27/15	1232	A/P	WC		X	2	Fe, Cl
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					

Shipment Arrived Via:
FedEx UPS Client AES Other:_____

CC Report To / Special Instructions/Remarks:
J Vanderlaz @ FASTT.com
F Talbot @ N-TechTech.com

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Frank Talbot		
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time
	J Mclaughlin	2/27/15 2:01 PM

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or (Chilled)	Y ☒ N ☐	(Y) N	(Y) N
Notes: 3		Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo March yr 15

Action	Req'd Freq	Unit	Date of Inspection			
			3/6/15	3/13/15	3/20/15	3/27/15
RW-1 Flow Rate	W	gpm	3	3	3	3
Flow Total	W	gal	559910	560310	560800	561180
Filter Prs IN	W	psi	6	6	6	6
Filter Prs OUT	W	psi	5	5	5	5
Water Level	W	feet	0.01	2.42	2.43	2.51
RW-2 Flow Rate	W	gpm	6	6	6	6
Flow Total	W	gal	549177	560181	572798	584973
Filter Prs IN	W	psi	11	11	11	12
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	—	—	—	—
RW-3 Flow Rate	W	gpm	12	3704/110	0	0
Flow Total	W	gal	3668540	Not		—
Filter Prs IN	W	psi	15	Running	—	—
Filter Prs OUT	W	psi	6		—	—
Water Level	W	feet	—		—	—
INFLUENT pH	W		6.7	6.6	6.7	6.9
EFFLUENT pH	W		6.7	6.7	6.7	6.8
INF Specific Conductance	W	mS/cm	654	631	583	612
EFF Specific Conductance	W	mS/cm	647	610	604	593
Carb #1 Prs Out	W	iwc	35	28	28	28
Carb #2 Prs Out	W	iwc	23	18	18	18
Carb #3 Prs Out	W	iwc	16	14	14	14
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	
Influent Air Gauge	W	iwc	.02	.02	.02	.02
Back of Stripper Gauge	W	iwc	56	18	21	18
Magnehelic Gauge	W	iwc	.125	.135	.130	.130
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	NO	NO	Yes/Dup	NO
RW-1 INF sample collected	M	Y / N	NO	NO	Yes	NO
RW-2 INF sample collected	M	Y / N	NO	NO	Yes	NO
RW-3 INF sample collected	M	Y / N	NO	NO	NO	NO
Combo INF sample collected	M	Y / N	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 3/6/15 System Running on Arrival, Take System Readings. Perform System Maint System Running ok

Date: 3/13/15 System Running on Arrival, Take System Readings and Perform System Maint. Came to Site on tuesday due to Pressure on Stripper was to high. Shut down system and Emptied Carbon drum for Screen plugging. Carbon drum was fine Refill and Put back into place. Dissasemble Stripper and found Botton 2 trays Plugged. Clean Stripper and Reassemble and start system. Well 3 would not start talked to Terry and tried some Programing but didn't work. Hes going to handle 3 Not Running.

Date: 3/20/15 System Running on Arrival, Take System Reading and Perform System Maint. System Running OK.

Date: 3/27/15 System Running on Arrival, Take System Readings. Perform System Maint. system Running ok. Terry stopped at Site on Mon and Then sent Carl an Email After Trouble Shooting System explaining what it is he has to do to Repair RW3.

Date: _____

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Apr. yr 15

Action	Req'd Freq	Unit	Date of Inspection 4/3/15	4/10/15	4/17/15	4/24/15
RW-1 Flow Rate	W	gpm	3	3	3	3
Flow Total	W	gal	561670	561750	561940	562080
Filter Prs IN	W	psi	6	6	6	6
Filter Prs OUT	W	psi	5	5	5	5
Water Level	W	feet	4.72	7.01	8.41	2.53
RW-2 Flow Rate	W	gpm	6	6	6	6
Flow Total	W	gal	596964	609493	621578	629508
Filter Prs IN	W	psi	12	12	12	12
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	—	—	—	—
RW-3 Flow Rate	W	gpm	—	—	—	12
Flow Total	W	gal	—	—	—	3704810
Filter Prs IN	W	psi	—	—	—	15
Filter Prs OUT	W	psi	—	—	—	6
Water Level	W	feet	—	—	—	—
INFLUENT pH	W		6.8	6.6	6.9	6.7
EFFLUENT pH	W		6.9	6.8	6.7	6.8
INF Specific Conductance	W	mS/cm	593	624	654	624
EFF Specific Conductance	W	mS/cm	571	591	577	600
Carb #1 Prs Out	W	iwc	28	28	28	28
Carb #2 Prs Out	W	iwc	18	18	18	18
Carb #3 Prs Out	W	iwc	14	14	14	14
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes lok	Yes lok	Yes lok	Yes lok
Influent Air Gauge	W	iwc	.02	.02	.02	.02
Back of Stripper Gauge	W	iwc	19	19	18	32
Magnehelic Gauge	W	iwc	.130	.130	.130	.130
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes lok	Yes lok	Yes lok	Yes lok
EFF sample collected	M	Y / N	NO	NO	Yes	NO
RW-1 INF sample collected	M	Y / N	NO	NO	Yes Dup	NO
RW-2 INF sample collected	M	Y / N	NO	NO	Yes	NO
RW-3 INF sample collected	M	Y / N	NO	NO	NO	NO
Combo INF sample collected	M	Y / N	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 4/3/15 System Running on Arrival Take System Readings. Perform System Maint, System Running ok. RW 3 down Due to Drive Failure

Date: 4/10/15 System Running on Arrival, Take System Readings and Perform System Maint. System Running ok. RW 3 down due to Drive Failure

Date: 4/17/15 System Running on Arrival, Take System Readings and Perform System Maint. Take System Samples and Deliver to lab. RW 3 down due to drive Failure

Date: 4/24/15 System Running on Arrival. Mtr Drive for 3 was Installed this Morning. Take System Reading and Perform System Maint. System Running ok

Date: _____

Date: 5/1/15 System Running on arrival, take System Readings RW 2 Down on Ground fault, Reset Running ok. Perform System Maint, System Running ok.

Date: 5/8/15 System Running on Arrival, take System Readings. RW 2 off on Ground fault again Andrew Emailing Carl on Replacement of Mtr on RW2. Reset drive Running on departure Perform System Maint System Running ok.

Date: 5/15/15 RW 2 down on Ground fault, waiting for Response from Carl Hoffman. Reset Mtr drive Perform System Maint. System Running ok.

Date: 5/22/15 System Running on Arrival Take System Readings and Perform system Maint. Take samples and deliver to lab.

Date: 5/29/15 System Running on Arrival, take System Readings and Perform System Maint.

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo May yr 15 p. 1/2

Action	Req'd Freq	Unit	Date of Inspection				
			5/1/15	5/8/15	5/15/15	5/22/15	5/29/15
RW-1 Flow Rate	W	gpm	3	3	3	3	3
Flow Total	W	gal	562360	562660	563320	563960	564000
Filter Prs IN	W	psi	6	6	6	6	6
Filter Prs OUT	W	psi	5	5	5	5	5
Water Level	W	feet	*2.20	4.50	2.16	1.41	2.31
RW-2 Flow Rate	W	gpm	6	6	6	6	6
Flow Total	W	gal	630024	633272	636856	645583	653950
Filter Prs IN	W	psi	12	13	14	14	14
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	—	—	—	—	—
RW-3 Flow Rate	W	gpm	12	12	12	12	12
Flow Total	W	gal	3758990	3812070	3863800	3915170	3966300
Filter Prs IN	W	psi	15	16	16	16	16
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	—	—	—	—	—
INFLUENT pH	W		6.6	6.7	7.0	6.8	6.4
EFFLUENT pH	W		6.9	6.7	6.8	6.9	6.6
INF Specific Conductance	W	mS/cm	647	654	595	599	531
EFF Specific Conductance	W	mS/cm	598	601	588	586	585
Carb #1 Prs Out	W	iwc	28	28	28	28	28
Carb #2 Prs Out	W	iwc	18	18	18	18	18
Carb #3 Prs Out	W	iwc	14	14	14	14	14
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.02	.02	.02	.02	.02
Back of Stripper Gauge	W	iwc	30	29	32	32	31
Magnehelic Gauge	W	iwc	.130	.130	.130	.130	.130
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	NO	NO	NO	Yes	NO
RW-1 INF sample collected	M	Y / N	NO	NO	NO	Yes	NO
RW-2 INF sample collected	M	Y / N	NO	NO	NO	Yes/Dup	NO
RW-3 INF sample collected	M	Y / N	NO	NO	NO	Yes	NO
Combo INF sample collected	M	Y / N	NO	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo June yr 15 p. 1/2

Action	Req'd Freq	Unit	Date of Inspection			
			6/5/15	6/12/15		
RW-1 Flow Rate	W	gpm	3	3	3	3
Flow Total	W	gal	544600	564710	564850	565040
Filter Prs IN	W	psi	6	6	6	6
Filter Prs OUT	W	psi	5	5	5	5
Water Level	W	feet	2.61	3.24	2.04	2.13
RW-2 Flow Rate	W	gpm	6	6	6	6
Flow Total	W	gal	662076	670003	677656	685065
Filter Prs IN	W	psi	14	14	14	14
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	—	—	—	—
RW-3 Flow Rate	W	gpm	12	12	12	12
Flow Total	W	gal	4017380	4048470	4118100	4165670
Filter Prs IN	W	psi	17	12	12	12
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	—	—	—	—
INFLUENT pH	W		6.4	6.7	6.9	6.7
EFFLUENT pH	W		6.7	6.5	6.6	6.5
INF Specific Conductance	W	mS/cm	567	573	561	617
EFF Specific Conductance	W	mS/cm	544	565	538	592
Carb #1 Prs Out	W	iwc	28	28	28	28
Carb #2 Prs Out	W	iwc	18	18	18	18
Carb #3 Prs Out	W	iwc	14	14	14	14
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.02	.02	.02	.02
Back of Stripper Gauge	W	iwc	32	31	32	32
Magnehelic Gauge	W	iwc	.130	.130	.130	.130
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	Yes #3	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	NO	NO	Yes	NO
RW-1 INF sample collected	M	Y / N	NO	NO	Yes	NO
RW-2 INF sample collected	M	Y / N	NO	NO	Yes	NO
RW-3 INF sample collected	M	Y / N	NO	NO	Yes/Dup	NO
Combo INF sample collected	M	Y / N	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 6/5/15 System Running on Arrival, Take System Readings And Perform System Maint

Date: 6/12/15 System Running on Arrival, Take System Reading and Perform System Maint. Change out Filter on #3. System Running ok

Date: 6/19/15 System Running on Arrival Take System Reading. Perform System Maint. Take Samples System Running ok

Date: 6/25/15 System Running on Arrival, Take System Reading and Perform System Maint. System Running ok.

Date: _____

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo July yr 15 p. 1/2

Action	Req'd Freq	Unit	Date of Inspection				
			7/2/15	7/10/15	7/17/15	7/24/15	7/30/15
RW-1 Flow Rate	W	gpm	3	3	3	3	3
Flow Total	W	gal	565150	565940	566170	566470	567010
Filter Prs IN	W	psi	6	6	6	6	6
Filter Prs OUT	W	psi	5	5	5	5	5
Water Level	W	feet	3.11	1.17	3.02	1.19	.98
RW-2 Flow Rate	W	gpm	6	6	6	6	6
Flow Total	W	gal	691408	700147	707070	710882	710937
Filter Prs IN	W	psi	14	14	14	14	14
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	—	—	—	—	—
RW-3 Flow Rate	W	gpm	12	12	12	12	12
Flow Total	W	gal	4200700	4259190	4309590	4359320	4401110
Filter Prs IN	W	psi	12	13	13	14	14
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	—	—	—	—	—
INFLUENT pH	W		6.7	6.8	6.6	6.7	6.6
EFFLUENT pH	W		6.6	6.6	6.6	6.7	6.8
INF Specific Conductance	W	mS/cm	610	643	589	577	542
EFF Specific Conductance	W	mS/cm	589	579	577	602	587
Carb #1 Prs Out	W	iwc	28	28	28	28	28
Carb #2 Prs Out	W	iwc	18	18	18	18	18
Carb #3 Prs Out	W	iwc	14	14	14	14	14
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.02	.02	.02	.02	.02
Back of Stripper Gauge	W	iwc	33	33	32	32	32
Magnehelic Gauge	W	iwc	.130	.130	.130	.130	.130
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	NO	NO	NO	Yes/Dup	NO
RW-1 INF sample collected	M	Y / N	NO	NO	NO	Yes	NO
RW-2 INF sample collected	M	Y / N	NO	NO	NO	Yes	NO
RW-3 INF sample collected	M	Y / N	NO	NO	NO	Yes	NO
Combo INF sample collected	M	Y / N	NO	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 7/2/15 System Running on Arrival, Take System Reading Perform System Maint. System Running ok

Date: 7/10/15 System Running on Arrival, take System Readings and Perform System Maint. System Running ok

Date: 7/17/15 System Running on Arrival, take System Readings and Perform System Maint. System Running ok

Date: 7/24/15 System Running on Arrival, Take System Readings and Perform System Maint. Take System Samples and deliver to lab. System Running ok

Date: 7/30/15 System Running on Arrival, Take System Readings and Perform System Maint. 'Reset Mtr on RW 2 due to Ground fault. Running ok on departure.

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo 8 yr 15 p. 1/2

Action	Req'd Freq	Unit	8-7-15	8-14-15	8/21/15 Date of Inspection		
RW-1 Flow Rate	W	gpm	7.1	0	5		
Flow Total	W	gal	056719	056719	567190		
Filter Prs IN	W	psi	~~0756719~~ 3	2	6		
Filter Prs OUT	W	psi	3	1	5		
Water Level	W	feet	3.61	2.13	8.71		
RW-2 Flow Rate	W	gpm	6	~~5~~	6		
Flow Total	W	gal	07120996	07120996	7121100		
Filter Prs IN	W	psi	4	4	8		
Filter Prs OUT	W	psi	6	5	6		
Water Level	W	feet	—	—	—		
RW-3 Flow Rate	W	gpm	12	~~10~~	12		
Flow Total	W	gal	445566	450489	4553430		
Filter Prs IN	W	psi	10	10	12		
Filter Prs OUT	W	psi	6	~~5~~ 4	6		
Water Level	W	feet	—	—	—		
Duplicate Sample				RW-3			
INFLUENT pH	W			6.7	6.5		
EFFLUENT pH	W			6.5	6.7		
INF Specific Conductance	W	mS/cm			677		
EFF Specific Conductance	W	mS/cm			663		
Carb #1 Prs Out	W	iwc		23	28		
Carb #2 Prs Out	W	iwc		16	22		
Carb #3 Prs Out	W	iwc		32	16		
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N		Yes/OK	Yes/OK		
Influent Air Gauge	W	iwc			.02		
Back of Stripper Gauge	W	iwc		32	32		
Magnehelic Gauge	W	iwc		0.129	.130		
Replenished 1st Aid Kit	As nec.	Y / N		No	NO		
Pump Out Sump	As nec.	Y / N		No	NO		
Chg'd RW sediment filter	As nec.	Y / N		No	NO		
Carbon Changed	As nec.	Y / N		No	NO		
EFF Catch Basin inspection	M	Y / N		No	Yes/OK NO		
EFF sample collected	M	Y / N		Yes	NO		
RW-1 INF sample collected	M	Y / N		No (standby)	NO		
RW-2 INF sample collected	M	Y / N		Yes	NO		
RW-3 INF sample collected	M	Y / N		Yes	NO		
Combo INF sample collected	M	Y / N		No	NO		
Tested eye wash station	1/2 Y	Y / N		Yes (need new bottle)	NO		
Tested fire extinguisher	Y	Y / N		No	NO		

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: _____

Date: _____

Date: 8/21/15 System Running on Arrival, Take System Readings and Perform System Maint.

Date: _____

Date: _____

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Sept yr 15

Action	Req'd Freq	Unit	Date of Inspection 9/4/15	9/11/15	9/18/15		
RW-1 Flow Rate	W	gpm					
Flow Total	W	gal	0	0	0	0	
Filter Prs IN	W	psi					
Filter Prs OUT	W	psi					
Water Level	W	feet					
RW-2 Flow Rate	W	gpm	0	0	6	6	
Flow Total	W	gal			714736	719539	
Filter Prs IN	W	psi			8	9	
Filter Prs OUT	W	psi			6	6	
Water Level	W	feet			—	—	
RW-3 Flow Rate	W	gpm	12	12	12	12	
Flow Total	W	gal	4647070	4695070	4742110	4788570	
Filter Prs IN	W	psi	12	13	13	13	
Filter Prs OUT	W	psi	6	6	6	6	
Water Level	W	feet	—	—	—	—	
INFLUENT pH	W		6.6	6.8	6.7	6.7	
EFFLUENT pH	W		6.7	6.9	7.0	6.9	
INF Specific Conductance	W	mS/cm	577	594	604	621	
EFF Specific Conductance	W	mS/cm	563	617	577	594	
Carb #1 Prs Out	W	iwc	28	28	28	28	
Carb #2 Prs Out	W	iwc	22	22	22	22	
Carb #3 Prs Out	W	iwc	16	16	16	16	
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	
Influent Air Gauge	W	iwc	.02	.02	.02	.02	
Back of Stripper Gauge	W	iwc	32	32	32	34	
Magnehelic Gauge	W	iwc	.130	.125	.130	.130	
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO	
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO	
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO	
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO	
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	
EFF sample collected	M	Y / N	NO	NO	Yes	NO	
RW-1 INF sample collected	M	Y / N	NO	NO	NO	NO	
RW-2 INF sample collected	M	Y / N	NO	NO	Yes/Dup	NO	
RW-3 INF sample collected	M	Y / N	NO	NO	Yes	NO	
Combo INF sample collected	M	Y / N	NO	NO	NO	NO	
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO	
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO	

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 9/4/15 System Running on Arrival RW 3 Running RW 1 Being looked at By Mike Macy and waiting for Mtr for RW 2.

Date: 9/11/15 System Running on Arrival, Take System Reading. Waiting for control system and Pump for RW 1 and waiting for Mtr for RW 2. System Running ok.

Date: 9/18/15 System Running on Arrival, Take System Readings and Perform System Maint. Came to Site on 9/15 and Installed New Mtr on RW 2 and Accessed RW 1 Needs for upgrade Take System Samples Except RW 1 and deliver to lab System Running ok on departure.

Date: 9/25/15 System Running on Arrival, take System Reading and Perform System Maint. Waiting for Parts for RW 1 System Running ok on departure.

Date: _____

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Oct yr 15 p. 1/2

Action	Req'd Freq	Unit	Date of Inspection 10/2/15	10/9/15	10/16/15	
RW-1 Flow Rate	W	gpm				
Flow Total	W	gal	OOO	OOO	OOO	OOO
Filter Prs IN	W	psi				
Filter Prs OUT	W	psi				
Water Level	W	feet				
RW-2 Flow Rate	W	gpm	6	6		6
Flow Total	W	gal	724556	729706	735132	736488
Filter Prs IN	W	psi	10	10		10
Filter Prs OUT	W	psi	6	6		6
Water Level	W	feet	—	—		—
RW-3 Flow Rate	W	gpm	12	12		12
Flow Total	W	gal	4835530	4882070	2192570	493722
Filter Prs IN	W	psi	16	18		20
Filter Prs OUT	W	psi	6	6		6
Water Level	W	feet	—	—		—
INFLUENT pH	W		6.6	6.7		6.6
EFFLUENT pH	W		6.8	6.7		6.9
INF Specific Conductance	W	mS/cm	619	624		681
EFF Specific Conductance	W	mS/cm	596	601		693
Carb #1 Prs Out	W	iwc	28	28		25
Carb #2 Prs Out	W	iwc	22	22		20
Carb #3 Prs Out	W	iwc	16	16		15
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes ok	Yes ok		Yes ok
Influent Air Gauge	W	iwc	.02	.02		.02
Back of Stripper Gauge	W	iwc	36	33		32
Magnehelic Gauge	W	iwc	.125	.125		.120
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO		NO
Pump Out Sump	As nec.	Y / N	NO	NO		NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO		NO
Carbon Changed	As nec.	Y / N	NO	NO		NO
EFF Catch Basin inspection	M	Y / N	Yes ok	Yes ok		
EFF sample collected	M	Y / N	NO	NO	Yes	Yes
RW-1 INF sample collected	M	Y / N	NO	NO	NO	NO
RW-2 INF sample collected	M	Y / N	NO	NO	Yes	Yes
RW-3 INF sample collected	M	Y / N	NO	NO	Yes Dup	Yes Dup
Combo INF sample collected	M	Y / N	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO		NO
Tested fire extinguisher	Y	Y / N	NO	NO		NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: Oct 2/15 System Running on Arrival, take System Readings and Perform System Maint

Date: 10/9/15 System Running on Arrival, take System Readings and Perform System Maint. System Running ok on departure

Date: 10/16/15 System down High Booster Pressure. Stripper Calafied and Backed up Need to Clean and Repair Some Fittings.

Date: 10/23/15 Clean Stripper 10/22/15 and Reassemble Repair a Couple Fittings and Restart. System Running on Arrival, Take System Reading. Perform System Maint and take System Samples. System Running ok on departure

Date: _____

Adirondack Environmental Services Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

AES Work Order #

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
Dec Contal Remediation	625 Broadway Albany NY	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Carl Hoffman	Roxy Cleaners	Frank Zabel
Client Phone No:	**Client Email:**	**PO Number:**
518-462-9813		

Samplers: (Signature) Frank Zabel

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
	RW 2	10/23/15	12:30	P	H2O		X	2	TCL 01
	RW 3	10/23/15	12:32	P	H2O		X	2	TCL 01
	Effluent	10/23/15	12:34	P	H2O		X	2	TCL 01
	Dup	10/23/15	12:36	P	H2O		X	2	TCL 01
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					

Shipment Arrived Via:
FedEx UPS (Client) AES Other:_____

CC Report To / Special Instructions/Remarks:
JVendente@EPEST.com
ATallet@Petechfm.com

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Frank Zabel		
Relinquished by: (Signature)	**Received by: (Signature)**	**Date/Time**
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
	Cindy Sayer	10/23/15 7:19pm

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or (Chilled) 1.5	Y ☒ N ☐	(Y) N	(Y) N
Notes:		Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Nov yr 15

Action	Req'd Freq	Unit	Date of Inspection 11/6/15	11/13/15	11/20/15	11/24/15
RW-1 Flow Rate	W	gpm				
Flow Total	W	gal	0 RX	0 RX	0 RX	0 RX
Filter Prs IN	W	psi				
Filter Prs OUT	W	psi				
Water Level	W	feet				
RW-2 Flow Rate	W	gpm	6	6	6	6
Flow Total	W	gal	746386	751253	755942	758602
Filter Prs IN	W	psi	10	10	10	10
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	–	–	–	–
RW-3 Flow Rate	W	gpm	12	12	12	12
Flow Total	W	gal	5024080	5070230	5115390	5141790
Filter Prs IN	W	psi	10	10	10	10
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	–	–	–	–
INFLUENT pH	W		6.7	6.8	6.8	6.7
EFFLUENT pH	W		6.8	6.8	6.9	6.7
INF Specific Conductance	W	mS/cm	581	603	573	584
EFF Specific Conductance	W	mS/cm	577	594	566	577
Carb #1 Prs Out	W	iwc	25	25	25	25
Carb #2 Prs Out	W	iwc	20	20	20	20
Carb #3 Prs Out	W	iwc	15	15	15	15
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.02	.02	.02	.02
Back of Stripper Gauge	W	iwc	24	24	24	26
Magnehelic Gauge	W	iwc	.130	.125	.125	.125
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	NO	NO	Yes/Dup	NO
RW-1 INF sample collected	M	Y / N	NO	NO	NO	NO
RW-2 INF sample collected	M	Y / N	NO	NO	Yes	NO
RW-3 INF sample collected	M	Y / N	NO	NO	Yes	NO
Combo INF sample collected	M	Y / N	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 11/6/15 System Running on Arrival, take System Readings and Perform System Maint. Paint Bollards System Running ok

Date: 11/13/15 System Running on Arrival, take System Reading. Perform system Maint, System Running ok on departure

Date: 11/20/15 System Running on Arrival, take System Readings. Perform System Maint, And take System Samples. System Running on departure

Date: 11/24/15 System Running on Arrival, Take System Readings. Perform System Maint, System Running ok on departure

Date: _____

.OXY CLEANERS Treatment System Operation/Inspection Checklist mo Dec yr 15 p. 1/2

Action	Req'd Freq	Unit	Date of Inspection 12/4/15	12/11/15	12/18/15	12/22/15
RW-1 Flow Rate	W	gpm				R&R OFF
Flow Total	W	gal	0	0	0	Being
Filter Prs IN	W	psi	X	X	X	Worked
Filter Prs OUT	W	psi	X	X	X	on
Water Level	W	feet				
RW-2 Flow Rate	W	gpm	6	6	6	6
Flow Total	W	gal	765287	770042	774949	777450
Filter Prs IN	W	psi	10	10	10	10
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	—	—	—	—
RW-3 Flow Rate	W	gpm	12	12	12	12
Flow Total	W	gal	5205740	5250410	5294650	5317670
Filter Prs IN	W	psi	10	10	10	10
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	—	—	—	—
INFLUENT pH	W		6.7	6.7	6.5	6.7
EFFLUENT pH	W		6.9	6.8	6.8	6.6
INF Specific Conductance	W	mS/cm	6.02	6.04	6.54	6.21
EFF Specific Conductance	W	mS/cm	584	599	601	599
Carb #1 Prs Out	W	iwc	25	25	25	25
Carb #2 Prs Out	W	iwc	20	20	20	20
Carb #3 Prs Out	W	iwc	15	15	15	15
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.09	.09	.02	.02
Back of Stripper Gauge	W	iwc	27	24	25	22
Magnehelic Gauge	W	iwc	.125	.125	.120	.120
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	NO
EFF sample collected	M	Y / N	NO	NO	Yes	NO
RW-1 INF sample collected	M	Y / N	NO	NO	NO	NO
RW-2 INF sample collected	M	Y / N	NO	NO	Yes/Dup	NO
RW-3 INF sample collected	M	Y / N	NO	NO	Yes	NO
Combo INF sample collected	M	Y / N	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 12/4/15 System Running on Arrival, take System Readings Perform System Maint. System Running ok on departure

Date: 12/11/15 System Running on Arrival, Take System Readings and Perform System Maint. System Running Ok on Departure

Date: 12/18/15 System Running on Arrival, Take System Reading and Perform System Maint. Take System Samples and deliver to lab System Running ok

Date: 12/22/15 System Running on Arrival Take System Readings and Perform System Maint. Control work on #1 and Changing out Pump In Process of Being done. waiting for ~~HDPE~~ Pipeing and Control work to be finished.

Date: _____

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Jan yr 16 p. 1/2

Action	Req'd Freq	Unit	Date of Inspection				
			12/30/15	1/8/16	1/15/16		
RW-1 Flow Rate	W	gpm					
Flow Total	W	gal	0	0	0	0	0
Filter Prs IN	W	psi	~~0~~	"	"	"	"
Filter Prs OUT	W	psi	~~0~~	"	"		
Water Level	W	feet					
RW-2 Flow Rate	W	gpm	6	6	6	6	6
Flow Total	W	gal	783,492	790122	795401	800645	805863
Filter Prs IN	W	psi	8	8	9	9	9
Filter Prs OUT	W	psi	4	4	4	4	4
Water Level	W	feet	—	—	—	—	
RW-3 Flow Rate	W	gpm	12	12	12	12	12
Flow Total	W	gal	536360	542900	546890	551070	555210
Filter Prs IN	W	psi	10	8	8	8	8
Filter Prs OUT	W	psi	4	6	6	6	6
Water Level	W	feet	—	—	—	—	
INFLUENT pH	W		6.7	6.6	6.7	6.6	6.7
EFFLUENT pH	W		6.8	6.8	6.7	6.6	6.6
INF Specific Conductance	W	mS/cm	586	565	587	593	565
EFF Specific Conductance	W	mS/cm	572	548	602	597	574
Carb #1 Prs Out	W	iwc	25	25	25	25	25
Carb #2 Prs Out	W	iwc	20	20	20	20	20
Carb #3 Prs Out	W	iwc	15	15	15	15	15
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc		.02	.02	.02	.02
Back of Stripper Gauge	W	iwc	24	23	22	21	18
Magnehelic Gauge	W	iwc	0.125	.120	.110	.105	.100
Replenished 1st Aid Kit	As nec.	Y / N	YES	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	NO	NO	NO	Yes	NO
RW-1 INF sample collected	M	Y / N	NO	NO	NO	NO	NO
RW-2 INF sample collected	M	Y / N	NO	NO	NO	Yes	NO
RW-3 INF sample collected	M	Y / N	NO	NO	NO	Yes/Ap	NO
Combo INF sample collected	M	Y / N	NO	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 12/30/15 System running on arrival, take system readings and perform system maintenance, system running ok on departure

Date: 1/8/16 System Running on Arrival, take System Reading and Perform System Maint, System Running ok on departure

Date: 1/15/16 System Running on Arrival, take System Readings and Perform System Maint System Running ok on Departure

Date: 1/22/16 System Running on Arrival, take System Readings. Perform System Maint and take Samples. Deliver to lab System Running ok

Date: 1/29/16 System Running on Arrival, take System Readings and Perform System Maint. Also drop Pump in RW 1 for Hook up and Start up.

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo March yr 16

Action	Req'd Freq	Unit	Date of Inspection 3/4/16	3/11/16	3/18/16	3/25/16
RW-1 Flow Rate	W	gpm				
Flow Total	W	gal	0	0	0	0
Filter Prs IN	W	psi				
Filter Prs OUT	W	psi				
Water Level	W	feet				
RW-2 Flow Rate	W	gpm	6	6	6	6
Flow Total	W	gal	825889	831055	836527	841182
Filter Prs IN	W	psi	10	10	10	10
Filter Prs OUT	W	psi	8	8	8	6
Water Level	W	feet	—	—	—	—
RW-3 Flow Rate	W	gpm	12	12	12	12
Flow Total	W	gal	5658680	5700830	5742200	5783570
Filter Prs IN	W	psi	12	12	12	11
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	—	—	—	—
INFLUENT pH	W		6.9	6.9	6.8	6.7
EFFLUENT pH	W		6.9	6.8	6.9	6.8
INF Specific Conductance	W	mS/cm	588	594	577	544
EFF Specific Conductance	W	mS/cm	571	561	565	547
Carb #1 Prs Out	W	iwc	25	25	25	25
Carb #2 Prs Out	W	iwc	20	20	20	20
Carb #3 Prs Out	W	iwc	15	15	18	18
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.02	.02	.02	.02
Back of Stripper Gauge	W	iwc	24	21	28	29
Magnehelic Gauge	W	iwc	.120	.115	.125	.120
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	NO	NO	Yes	Yes
RW-1 INF sample collected	M	Y / N	NO	NO	NO	NO
RW-2 INF sample collected	M	Y / N	NO	NO	Yes	NO
RW-3 INF sample collected	M	Y / N	NO	NO	Yes/Dup	NO
Combo INF sample collected	M	Y / N	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	N/O	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 3/4/16 System down on Arrival, Try to Restart but UltraStripper Rotron Siezed. Remove Cover Break Fan loose Reassemble Restart System Started. Take System Readings and Perform System Maint. System Running ok on departure.

Date: 3/11/16 System Running on Arrival, Take System Readings and Perform System Maint. System Running ok on departure

Date: 3/18/16 System Running on Arrival, take System Readings. Change Influent Air filter take System Readings Take System Samples and deliver to lab System Running OK on departure

Date: 3/25/16 System Running on Arrival, take System Readings. Perform System Maint, System Running ok on departure.

Date: _____

Appendix C
Treatment System Analytical

Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

February 04, 2015

Whitney Shafer
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383
FAX: (518) 885-5385

Work Order No: 150123022

RE: DEC Monthly analysis
Roxy Cleaners

Dear Whitney Shafer:

Adirondack Environmental Services, Inc received 5 samples on 1/23/2015 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Manager

Adirondack Environmental Services, Inc

CASE NARRATIVE

CLIENT: Aztech Technologies

Date: *04-Feb-15*

Project: DEC Monthly analysis

Lab Order: 150123022

Sample containers were supplied by Adirondack Environmental Services.

Qualifiers:

ND - Not Detected at reporting limit

J - Analyte detected below quantitation limit

B - Analyte detected in Blank

X - Exceeds maximum contamination limit

H - Hold time exceeded

C - Details are above in Case Narrative

S - LCS Spike recovery outside acceptable limits(+ is over - is under)

R - Duplication outside acceptable limits

T - Tentatively Identified Compound-Estimated

E -Above quantitation range-Estimated

M - Matrix Spike outside acceptable limits(+ is over - is under)

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *04-Feb-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW1
Work Order:	150123022	**Collection Date:**	1/23/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150123022-001
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 2.0	2.0	S-	µg/L	2	1/27/2015 5:52:00 PM
Chloromethane	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
Vinyl chloride	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
Bromomethane	< 2.0	2.0	S-	µg/L	2	1/27/2015 5:52:00 PM
Chloroethane	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
Trichlorofluoromethane	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
1,1-Dichloroethene	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
Methylene chloride	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
trans-1,2-Dichloroethene	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
1,1-Dichloroethane	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
cis-1,2-Dichloroethene	71	2.0		µg/L	2	1/27/2015 5:52:00 PM
Chloroform	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
1,1,1-Trichloroethane	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
Carbon tetrachloride	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
1,2-Dichloroethane	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
Trichloroethene	35	2.0		µg/L	2	1/27/2015 5:52:00 PM
Bromodichloromethane	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
1,2-Dichloropropane	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
cis-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
trans-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
1,1,2-Trichloroethane	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
Tetrachloroethene	320	2.0		µg/L	2	1/27/2015 5:52:00 PM
Dibromochloromethane	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
Chlorobenzene	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
Bromoform	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
1,1,2,2-Tetrachloroethane	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
1,3-Dichlorobenzene	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
1,4-Dichlorobenzene	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
1,2-Dichlorobenzene	< 2.0	2.0		µg/L	2	1/27/2015 5:52:00 PM
Surr: 4-Bromofluorobenzene	109	77.7-115		%REC	2	1/27/2015 5:52:00 PM

Adirondack Environmental Services, Inc

Date: *04-Feb-15*

CLIENT: Aztech Technologies
Work Order: 150123022
Reference: DEC Monthly analysis / Roxy Cleaners
PO#:

Client Sample ID: RW2
Collection Date: 1/23/2015
Lab Sample ID: 150123022-002
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 2.0	2.0	S-	µg/L	2	1/27/2015 6:16:00 PM
Chloromethane	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
Vinyl chloride	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
Bromomethane	< 2.0	2.0	S-	µg/L	2	1/27/2015 6:16:00 PM
Chloroethane	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
Trichlorofluoromethane	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
1,1-Dichloroethene	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
Methylene chloride	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
trans-1,2-Dichloroethene	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
1,1-Dichloroethane	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
cis-1,2-Dichloroethene	16	2.0		µg/L	2	1/27/2015 6:16:00 PM
Chloroform	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
1,1,1-Trichloroethane	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
Carbon tetrachloride	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
1,2-Dichloroethane	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
Trichloroethene	8.2	2.0		µg/L	2	1/27/2015 6:16:00 PM
Bromodichloromethane	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
1,2-Dichloropropane	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
cis-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
trans-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
1,1,2-Trichloroethane	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
Tetrachloroethene	220	2.0		µg/L	2	1/27/2015 6:16:00 PM
Dibromochloromethane	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
Chlorobenzene	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
Bromoform	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
1,1,2,2-Tetrachloroethane	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
1,3-Dichlorobenzene	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
1,4-Dichlorobenzene	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
1,2-Dichlorobenzene	< 2.0	2.0		µg/L	2	1/27/2015 6:16:00 PM
Surr: 4-Bromofluorobenzene	102	77.7-115		%REC	2	1/27/2015 6:16:00 PM

Adirondack Environmental Services, Inc

Date: *04-Feb-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW3
Work Order:	150123022	**Collection Date:**	1/23/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150123022-003
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 1.0	1.0	S-	µg/L	1	1/27/2015 2:37:00 PM
Chloromethane	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
Vinyl chloride	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
Bromomethane	< 1.0	1.0	S-	µg/L	1	1/27/2015 2:37:00 PM
Chloroethane	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
Methylene chloride	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
cis-1,2-Dichloroethene	7.1	1.0		µg/L	1	1/27/2015 2:37:00 PM
Chloroform	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
Trichloroethene	4.1	1.0		µg/L	1	1/27/2015 2:37:00 PM
Bromodichloromethane	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
Tetrachloroethene	170	1.0		µg/L	1	1/27/2015 2:37:00 PM
Dibromochloromethane	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
Chlorobenzene	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
Bromoform	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	1/27/2015 2:37:00 PM
Surr: 4-Bromofluorobenzene	104	77.7-115		%REC	1	1/27/2015 2:37:00 PM

Adirondack Environmental Services, Inc

Date: *04-Feb-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	Effluent
Work Order:	150123022	**Collection Date:**	1/23/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150123022-004
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 1.0	1.0	S-	µg/L	1	1/27/2015 11:46:00 AM
Chloromethane	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
Vinyl chloride	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
Bromomethane	< 1.0	1.0	S-	µg/L	1	1/27/2015 11:46:00 AM
Chloroethane	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
Methylene chloride	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
Chloroform	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
Trichloroethene	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
Bromodichloromethane	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
Tetrachloroethene	1.2	1.0		µg/L	1	1/27/2015 11:46:00 AM
Dibromochloromethane	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
Chlorobenzene	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
Bromoform	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	1/27/2015 11:46:00 AM
Surr: 4-Bromofluorobenzene	99.6	77.7-115		%REC	1	1/27/2015 11:46:00 AM

Adirondack Environmental Services, Inc

Date: *04-Feb-15*

CLIENT: Aztech Technologies
Work Order: 150123022
Reference: DEC Monthly analysis / Roxy Cleaners
PO#:

Client Sample ID: DUP
Collection Date: 1/23/2015
Lab Sample ID: 150123022-005
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 2.0	2.0	S-	µg/L	2	1/27/2015 6:40:00 PM
Chloromethane	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
Vinyl chloride	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
Bromomethane	< 2.0	2.0	S-	µg/L	2	1/27/2015 6:40:00 PM
Chloroethane	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
Trichlorofluoromethane	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
1,1-Dichloroethene	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
Methylene chloride	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
trans-1,2-Dichloroethene	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
1,1-Dichloroethane	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
cis-1,2-Dichloroethene	15	2.0		µg/L	2	1/27/2015 6:40:00 PM
Chloroform	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
1,1,1-Trichloroethane	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
Carbon tetrachloride	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
1,2-Dichloroethane	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
Trichloroethene	8.3	2.0		µg/L	2	1/27/2015 6:40:00 PM
Bromodichloromethane	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
1,2-Dichloropropane	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
cis-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
trans-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
1,1,2-Trichloroethane	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
Tetrachloroethene	210	2.0		µg/L	2	1/27/2015 6:40:00 PM
Dibromochloromethane	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
Chlorobenzene	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
Bromoform	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
1,1,2,2-Tetrachloroethane	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
1,3-Dichlorobenzene	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
1,4-Dichlorobenzene	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
1,2-Dichlorobenzene	< 2.0	2.0		µg/L	2	1/27/2015 6:40:00 PM
Surr: 4-Bromofluorobenzene	108	77.7-115		%REC	2	1/27/2015 6:40:00 PM

Adirondack Environmental Services Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

CHAIN OF CUSTODY RECORD

AES Work Order # 150123022

Client Name:	Address:	
Dec Central Remediation	625 Broadway Albany NY	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Carl Hoffman	Roxy Cleaners	Frank Zabel
Client Phone No:	**Client Email:**	**PO Number:**
518-402-9813		**Samplers: (Signature)** Frank Zabel

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
01	RW 1	1/23/15	12:10	A P	H_2O		X	2	Epa 601
02	RW 2	1/23/15	12:42	A P	H_2O		X	2	Epa 601
03	RW 3	1/23/15	12:44	A P	H_2O		X	2	Epa 601
04	Effluent	1/23/15	12:46	A P	H_2O		X	2	Epa 601
05	Dup	1/23/15	12:48	A P	H_2O		X	2	Epa 601
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					

Shipment Arrived Via:
FedEx UPS Client AES Other:_____

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day

CC Report To / Special Instructions/Remarks:
Jvonunderitz@EAEST.com
ATalbot@Aztech Tech.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Frank Zabel		
Relinquished by: (Signature)	**Received by: (Signature)**	**Date/Time**
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
		1-23-15 1:32P

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y ☑ N ☐	Y N	Y N
Notes: 19°C		Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

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314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.,** nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.,** its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

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March 11, 2015

Whitney Shafer
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383
FAX: (518) 885-5385

Work Order No: 150227047

RE: DEC Monthly analysis
Roxy Cleaners

Dear Whitney Shafer:

Adirondack Environmental Services, Inc received 5 samples on 2/27/2015 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Manager

Adirondack Environmental Services, Inc — CASE NARRATIVE

CLIENT:	Aztech Technologies	**Date:**	*11-Mar-15*
Project:	DEC Monthly analysis		
Lab Order:	150227047		

Sample containers were supplied by Adirondack Environmental Services.

Qualifiers:

- ND - Not Detected at reporting limit
- J - Analyte detected below quantitation limit
- B - Analyte detected in Blank
- X - Exceeds maximum contamination limit
- H - Hold time exceeded
- C - Details are above in Case Narrative
- S - LCS Spike recovery outside acceptable limits(+ is over - is under)
- R - Duplication outside acceptable limits
- T - Tentatively Identified Compound-Estimated
- E -Above quantitation range-Estimated
- M - Matrix Spike outside acceptable limits(+ is over - is under)

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *11-Mar-15*

CLIENT: Aztech Technologies
Work Order: 150227047
Reference: DEC Monthly analysis / Roxy Cleaners
PO#:

Client Sample ID: RW1
Collection Date: 2/27/2015
Lab Sample ID: 150227047-001
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
Chloromethane	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
Vinyl chloride	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
Bromomethane	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
Chloroethane	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
Trichlorofluoromethane	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
1,1-Dichloroethene	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
Methylene chloride	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
trans-1,2-Dichloroethene	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
1,1-Dichloroethane	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
cis-1,2-Dichloroethene	62	2.0		µg/L	2	3/3/2015 8:50:00 PM
Chloroform	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
1,1,1-Trichloroethane	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
Carbon tetrachloride	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
1,2-Dichloroethane	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
Trichloroethene	29	2.0		µg/L	2	3/3/2015 8:50:00 PM
Bromodichloromethane	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
1,2-Dichloropropane	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
cis-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
trans-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
1,1,2-Trichloroethane	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
Tetrachloroethene	370	2.0		µg/L	2	3/3/2015 8:50:00 PM
Dibromochloromethane	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
Chlorobenzene	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
Bromoform	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
1,1,2,2-Tetrachloroethane	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
1,3-Dichlorobenzene	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
1,4-Dichlorobenzene	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
1,2-Dichlorobenzene	< 2.0	2.0		µg/L	2	3/3/2015 8:50:00 PM
Surr: 4-Bromofluorobenzene	105	77.7-115		%REC	2	3/3/2015 8:50:00 PM

Adirondack Environmental Services, Inc

Date: *11-Mar-15*

CLIENT: Aztech Technologies
Work Order: 150227047
Reference: DEC Monthly analysis / Roxy Cleaners
PO#:

Client Sample ID: RW2
Collection Date: 2/27/2015
Lab Sample ID: 150227047-002
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
Chloromethane	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
Vinyl chloride	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
Bromomethane	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
Chloroethane	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
Trichlorofluoromethane	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
1,1-Dichloroethene	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
Methylene chloride	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
trans-1,2-Dichloroethene	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
1,1-Dichloroethane	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
cis-1,2-Dichloroethene	13	2.0		µg/L	2	3/3/2015 9:14:00 PM
Chloroform	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
1,1,1-Trichloroethane	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
Carbon tetrachloride	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
1,2-Dichloroethane	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
Trichloroethene	7.4	2.0		µg/L	2	3/3/2015 9:14:00 PM
Bromodichloromethane	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
1,2-Dichloropropane	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
cis-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
trans-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
1,1,2-Trichloroethane	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
Tetrachloroethene	260	2.0		µg/L	2	3/3/2015 9:14:00 PM
Dibromochloromethane	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
Chlorobenzene	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
Bromoform	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
1,1,2,2-Tetrachloroethane	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
1,3-Dichlorobenzene	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
1,4-Dichlorobenzene	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
1,2-Dichlorobenzene	< 2.0	2.0		µg/L	2	3/3/2015 9:14:00 PM
Surr: 4-Bromofluorobenzene	105	77.7-115		%REC	2	3/3/2015 9:14:00 PM

Adirondack Environmental Services, Inc

Date: *11-Mar-15*

CLIENT: Aztech Technologies
Work Order: 150227047
Reference: DEC Monthly analysis / Roxy Cleaners
PO#:

Client Sample ID: RW3
Collection Date: 2/27/2015
Lab Sample ID: 150227047-003
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 1.0	1.0	S-	µg/L	1	3/5/2015 1:15:00 AM
Chloromethane	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
Vinyl chloride	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
Bromomethane	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
Chloroethane	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
Methylene chloride	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
cis-1,2-Dichloroethene	6.7	1.0		µg/L	1	3/5/2015 1:15:00 AM
Chloroform	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
Trichloroethene	4.3	1.0		µg/L	1	3/5/2015 1:15:00 AM
Bromodichloromethane	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
Tetrachloroethene	210	1.0	E	µg/L	1	3/5/2015 1:15:00 AM
Dibromochloromethane	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
Chlorobenzene	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
Bromoform	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/5/2015 1:15:00 AM
Surr: 4-Bromofluorobenzene	99.8	77.7-115		%REC	1	3/5/2015 1:15:00 AM

Adirondack Environmental Services, Inc

Date: *11-Mar-15*

CLIENT: Aztech Technologies
Work Order: 150227047
Reference: DEC Monthly analysis / Roxy Cleaners
PO#:

Client Sample ID: DUP
Collection Date: 2/27/2015
Lab Sample ID: 150227047-004
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 2.0	2.0	S-	µg/L	2	3/5/2015 1:39:00 AM
Chloromethane	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
Vinyl chloride	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
Bromomethane	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
Chloroethane	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
Trichlorofluoromethane	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
1,1-Dichloroethene	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
Methylene chloride	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
trans-1,2-Dichloroethene	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
1,1-Dichloroethane	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
cis-1,2-Dichloroethene	6.8	2.0		µg/L	2	3/5/2015 1:39:00 AM
Chloroform	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
1,1,1-Trichloroethane	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
Carbon tetrachloride	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
1,2-Dichloroethane	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
Trichloroethene	3.7	2.0		µg/L	2	3/5/2015 1:39:00 AM
Bromodichloromethane	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
1,2-Dichloropropane	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
cis-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
trans-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
1,1,2-Trichloroethane	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
Tetrachloroethene	210	2.0		µg/L	2	3/5/2015 1:39:00 AM
Dibromochloromethane	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
Chlorobenzene	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
Bromoform	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
1,1,2,2-Tetrachloroethane	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
1,3-Dichlorobenzene	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
1,4-Dichlorobenzene	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
1,2-Dichlorobenzene	< 2.0	2.0		µg/L	2	3/5/2015 1:39:00 AM
Surr: 4-Bromofluorobenzene	99.8	77.7-115		%REC	2	3/5/2015 1:39:00 AM

Adirondack Environmental Services, Inc

Date: *11-Mar-15*

CLIENT: Aztech Technologies
Work Order: 150227047
Reference: DEC Monthly analysis / Roxy Cleaners
PO#:

Client Sample ID: Effluent
Collection Date: 2/27/2015
Lab Sample ID: 150227047-005
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 1.0	1.0	S-	µg/L	1	3/4/2015 9:41:00 PM
Chloromethane	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
Vinyl chloride	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
Bromomethane	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
Chloroethane	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
Methylene chloride	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
Chloroform	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
Trichloroethene	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
Bromodichloromethane	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
Tetrachloroethene	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
Dibromochloromethane	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
Chlorobenzene	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
Bromoform	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/4/2015 9:41:00 PM
Surr: 4-Bromofluorobenzene	108	77.7-115		%REC	1	3/4/2015 9:41:00 PM

Adirondack Environmental Services, Inc.

314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

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CHAIN OF CUSTODY RECORD

AES Work Order # 15022704?

Client Name:	Address:	
Dec Central Remediation	625 Broadway Albany NY	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Carl Hoffman	Roxy Cleaners	Frank Zabel
Client Phone No:	**Client Email:**	**PO Number:**
518-402-9813		**Samplers: (Signature)** Frank Zabel

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	RW1	2/27/15	12:30	A P	H2O		X	2	Epa 601
002	RW2	2/27/15	12:32	A P	H2O		X	2	Epa 601
003	RW3	2/27/15	12:34	A P	H2O		X	2	Epa 601
004	Dup	2/27/15	12:36	A P	H2O		X	2	Epa 601
005	Effluent	2/27/15	12:38	A P	H2O		X	2	Epa 601
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					

Shipment Arrived Via:
FedEx UPS (Client) AES Other:_____

CC Report To / Special Instructions/Remarks:
J Vanderwitz @ EAEST.com
H Talbot @ AztechTech.com

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Frank Zabel		
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by: J. Mahar	Date/Time 2/27/15 2:01Pm

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or (Chilled)	Y (X) N ( )	(Y) N	(Y) N
Notes: 5		Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc.

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TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.,** nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.,** its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

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March 30, 2015

Whitney Shafer
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383
FAX: (518) 885-5385

Work Order No: 150320039

RE: DEC Monthly analysis
Roxy Cleaners

Dear Whitney Shafer:

Adirondack Environmental Services, Inc received 4 samples on 3/20/2015 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Manager

Adirondack Environmental Services, Inc — CASE NARRATIVE

CLIENT:	Aztech Technologies	**Date:**	*30-Mar-15*
Project:	DEC Monthly analysis		
Lab Order:	150320039		

Sample containers were supplied by Adirondack Environmental Services.

Qualifiers:

- ND - Not Detected at reporting limit
- J - Analyte detected below quantitation limit
- B - Analyte detected in Blank
- X - Exceeds maximum contamination limit
- H - Hold time exceeded
- C - Details are above in Case Narrative
- S - LCS Spike recovery outside acceptable limits(+ is over - is under)
- R - Duplication outside acceptable limits
- T - Tentatively Identified Compound-Estimated
- E -Above quantitation range-Estimated
- M - Matrix Spike outside acceptable limits(+ is over - is under)

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *30-Mar-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW1
Work Order:	150320039	**Collection Date:**	3/20/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150320039-001
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
Chloromethane	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
Vinyl chloride	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
Bromomethane	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
Chloroethane	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
Trichlorofluoromethane	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
1,1-Dichloroethene	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
Methylene chloride	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
trans-1,2-Dichloroethene	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
1,1-Dichloroethane	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
cis-1,2-Dichloroethene	94	2.0	S+	µg/L	2	3/25/2015 10:25:00 PM
Chloroform	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
1,1,1-Trichloroethane	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
Carbon tetrachloride	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
1,2-Dichloroethane	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
Trichloroethene	29	2.0		µg/L	2	3/25/2015 10:25:00 PM
Bromodichloromethane	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
1,2-Dichloropropane	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
cis-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
trans-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
1,1,2-Trichloroethane	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
Tetrachloroethene	360	2.0		µg/L	2	3/25/2015 10:25:00 PM
Dibromochloromethane	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
Chlorobenzene	14	2.0		µg/L	2	3/25/2015 10:25:00 PM
Bromoform	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
1,1,2,2-Tetrachloroethane	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
1,3-Dichlorobenzene	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
1,4-Dichlorobenzene	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
1,2-Dichlorobenzene	< 2.0	2.0		µg/L	2	3/25/2015 10:25:00 PM
Surr: 4-Bromofluorobenzene	105	77.7-115		%REC	2	3/25/2015 10:25:00 PM

Adirondack Environmental Services, Inc

Date: *30-Mar-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW2
Work Order:	150320039	**Collection Date:**	3/20/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150320039-002
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
Chloromethane	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
Vinyl chloride	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
Bromomethane	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
Chloroethane	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
Trichlorofluoromethane	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
1,1-Dichloroethene	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
Methylene chloride	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
trans-1,2-Dichloroethene	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
1,1-Dichloroethane	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
cis-1,2-Dichloroethene	20	2.0	S+	µg/L	2	3/25/2015 10:49:00 PM
Chloroform	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
1,1,1-Trichloroethane	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
Carbon tetrachloride	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
1,2-Dichloroethane	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
Trichloroethene	8.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
Bromodichloromethane	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
1,2-Dichloropropane	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
cis-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
trans-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
1,1,2-Trichloroethane	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
Tetrachloroethene	260	2.0		µg/L	2	3/25/2015 10:49:00 PM
Dibromochloromethane	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
Chlorobenzene	5.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
Bromoform	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
1,1,2,2-Tetrachloroethane	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
1,3-Dichlorobenzene	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
1,4-Dichlorobenzene	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
1,2-Dichlorobenzene	< 2.0	2.0		µg/L	2	3/25/2015 10:49:00 PM
Surr: 4-Bromofluorobenzene	107	77.7-115		%REC	2	3/25/2015 10:49:00 PM

Adirondack Environmental Services, Inc

Date: *30-Mar-15*

CLIENT: Aztech Technologies
Work Order: 150320039
Reference: DEC Monthly analysis / Roxy Cleaners
PO#:

Client Sample ID: Effluent
Collection Date: 3/20/2015
Lab Sample ID: 150320039-003
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
Chloromethane	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
Vinyl chloride	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
Bromomethane	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
Chloroethane	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
Methylene chloride	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
Chloroform	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
Trichloroethene	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
Bromodichloromethane	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
Tetrachloroethene	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
Dibromochloromethane	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
Chlorobenzene	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
Bromoform	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/25/2015 7:07:00 PM
Surr: 4-Bromofluorobenzene	105	77.7-115		%REC	1	3/25/2015 7:07:00 PM

Adirondack Environmental Services, Inc

Date: *30-Mar-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	DUP
Work Order:	150320039	**Collection Date:**	3/20/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150320039-004
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
Chloromethane	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
Vinyl chloride	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
Bromomethane	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
Chloroethane	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
Methylene chloride	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
Chloroform	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
Trichloroethene	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
Bromodichloromethane	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
Tetrachloroethene	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
Dibromochloromethane	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
Chlorobenzene	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
Bromoform	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/26/2015 11:56:00 AM
Surr: 4-Bromofluorobenzene	102	77.7-115		%REC	1	3/26/2015 11:56:00 AM

Adirondack Environmental Services Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

AES Work Order # 1503200 39

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Client Name:	Address:	
Dec Central Remediation	625 Broadway Albany NY.	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Carl Hoffman	Roxy Cleaners	Frank Zabel
Client Phone No:	**Client Email:**	**PO Number:**
518-402-9813		**Samplers: (Signature)** Frank Zabel

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	RW 1	3/20/15	1:00	A ~~P~~	H2O		X	2	Epa 601
002	RW 2	3/20/15	1:02	A ~~P~~	H2O		X	2	Epa 601
	~~RW 3~~ JM 3/20/15			A P					
003	Effluent	3/20/15	1:04	A ~~P~~	H2O		X	2	Epa 601
004	Dup	3/20/15	1:06	A ~~P~~	H2O		X	2	Epa 601
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					

Shipment Arrived Via:
FedEx UPS (Client) AES Other:_____

CC Report To / Special Instructions/Remarks:
A Talbot@Aztech Tech.com
J Vanuderite@EA EST.com

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Frank Zabel		
Relinquished by: (Signature)	**Received by: (Signature)**	**Date/Time**
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
	J. Mell	3/20/15 1:47 PM

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or (Chilled)	Y ☒ N ☐	(Y) N	(Y) N
Notes: 4		Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

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TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.,** nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.,** its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

Adirondack Environmental Services, Inc
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314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

April 28, 2015

Whitney Shafer
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383
FAX: (518) 885-5385

Work Order No: 150417044

RE: DEC Monthly analysis
Roxy Cleaners

Dear Whitney Shafer:

Adirondack Environmental Services, Inc received 4 samples on 4/17/2015 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Manager

Adirondack Environmental Services, Inc

CASE NARRATIVE

CLIENT: Aztech Technologies

Date: *28-Apr-15*

Project: DEC Monthly analysis

Lab Order: 150417044

Sample containers were supplied by Adirondack Environmental Services.

Qualifiers:

ND - Not Detected at reporting limit

J - Analyte detected below quantitation limit

B - Analyte detected in Blank

X - Exceeds maximum contamination limit

H - Hold time exceeded

C - Details are above in Case Narrative

S - LCS Spike recovery outside acceptable limits(+ is over - is under)

R - Duplication outside acceptable limits

T - Tentatively Identified Compound-Estimated

E -Above quantitation range-Estimated

M - Matrix Spike outside acceptable limits(+ is over - is under)

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *28-Apr-15*

CLIENT: Aztech Technologies
Work Order: 150417044
Reference: DEC Monthly analysis / Roxy Cleaners
PO#:

Client Sample ID: RW1
Collection Date: 4/17/2015
Lab Sample ID: 150417044-001
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
Chloromethane	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
Vinyl chloride	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
Bromomethane	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
Chloroethane	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
Trichlorofluoromethane	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
1,1-Dichloroethene	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
Methylene chloride	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
trans-1,2-Dichloroethene	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
1,1-Dichloroethane	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
cis-1,2-Dichloroethene	52	2.0		µg/L	2	4/21/2015 2:59:00 AM
Chloroform	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
1,1,1-Trichloroethane	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
Carbon tetrachloride	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
1,2-Dichloroethane	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
Trichloroethene	30	2.0		µg/L	2	4/21/2015 2:59:00 AM
Bromodichloromethane	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
1,2-Dichloropropane	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
cis-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
trans-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
1,1,2-Trichloroethane	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
Tetrachloroethene	250	2.0		µg/L	2	4/21/2015 2:59:00 AM
Dibromochloromethane	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
Chlorobenzene	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
Bromoform	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
1,1,2,2-Tetrachloroethane	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
1,3-Dichlorobenzene	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
1,4-Dichlorobenzene	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
1,2-Dichlorobenzene	< 2.0	2.0		µg/L	2	4/21/2015 2:59:00 AM
Surr: 4-Bromofluorobenzene	102	77.7-115		%REC	2	4/21/2015 2:59:00 AM

Adirondack Environmental Services, Inc

Date: *28-Apr-15*

CLIENT: Aztech Technologies
Work Order: 150417044
Reference: DEC Monthly analysis / Roxy Cleaners
PO#:

Client Sample ID: RW2
Collection Date: 4/17/2015
Lab Sample ID: 150417044-002
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
Chloromethane	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
Vinyl chloride	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
Bromomethane	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
Chloroethane	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
Trichlorofluoromethane	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
1,1-Dichloroethene	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
Methylene chloride	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
trans-1,2-Dichloroethene	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
1,1-Dichloroethane	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
cis-1,2-Dichloroethene	11	2.0		µg/L	2	4/21/2015 3:23:00 AM
Chloroform	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
1,1,1-Trichloroethane	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
Carbon tetrachloride	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
1,2-Dichloroethane	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
Trichloroethene	7.5	2.0		µg/L	2	4/21/2015 3:23:00 AM
Bromodichloromethane	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
1,2-Dichloropropane	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
cis-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
trans-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
1,1,2-Trichloroethane	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
Tetrachloroethene	160	2.0		µg/L	2	4/21/2015 3:23:00 AM
Dibromochloromethane	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
Chlorobenzene	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
Bromoform	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
1,1,2,2-Tetrachloroethane	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
1,3-Dichlorobenzene	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
1,4-Dichlorobenzene	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
1,2-Dichlorobenzene	< 2.0	2.0		µg/L	2	4/21/2015 3:23:00 AM
Surr: 4-Bromofluorobenzene	102	77.7-115		%REC	2	4/21/2015 3:23:00 AM

Adirondack Environmental Services, Inc

Date: *28-Apr-15*

CLIENT: Aztech Technologies
Work Order: 150417044
Reference: DEC Monthly analysis / Roxy Cleaners
PO#:

Client Sample ID: Effluent
Collection Date: 4/17/2015
Lab Sample ID: 150417044-003
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
Chloromethane	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
Vinyl chloride	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
Bromomethane	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
Chloroethane	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
Methylene chloride	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
Chloroform	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
Trichloroethene	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
Tetrachloroethene	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
Chlorobenzene	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
Bromoform	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/22/2015 7:41:00 PM
Surr: 4-Bromofluorobenzene	103	77.7-115		%REC	1	4/22/2015 7:41:00 PM

Adirondack Environmental Services, Inc

Date: *28-Apr-15*

CLIENT: Aztech Technologies
Work Order: 150417044
Reference: DEC Monthly analysis / Roxy Cleaners
PO#:

Client Sample ID: DUP
Collection Date: 4/17/2015
Lab Sample ID: 150417044-004
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
Chloromethane	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
Vinyl chloride	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
Bromomethane	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
Chloroethane	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
Trichlorofluoromethane	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
1,1-Dichloroethene	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
Methylene chloride	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
trans-1,2-Dichloroethene	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
1,1-Dichloroethane	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
cis-1,2-Dichloroethene	**52**	2.0		µg/L	2	4/21/2015 3:48:00 AM
Chloroform	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
1,1,1-Trichloroethane	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
Carbon tetrachloride	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
1,2-Dichloroethane	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
Trichloroethene	**28**	2.0		µg/L	2	4/21/2015 3:48:00 AM
Bromodichloromethane	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
1,2-Dichloropropane	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
cis-1,3-Dichloropropene	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
trans-1,3-Dichloropropene	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
1,1,2-Trichloroethane	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
Tetrachloroethene	**240**	2.0		µg/L	2	4/21/2015 3:48:00 AM
Dibromochloromethane	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
Chlorobenzene	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
Bromoform	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
1,1,2,2-Tetrachloroethane	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
1,3-Dichlorobenzene	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
1,4-Dichlorobenzene	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
1,2-Dichlorobenzene	**< 2.0**	2.0		µg/L	2	4/21/2015 3:48:00 AM
Surr: 4-Bromofluorobenzene	**102**	77.7-115		%REC	2	4/21/2015 3:48:00 AM

Adirondack Environmental Services, Inc.

314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

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CHAIN OF CUSTODY RECORD

AES Work Order # 1504172044

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
Dec Central Remediation	625 Broadway Albany N.Y.	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Carl Hoffman	Roxy Cleaners	Frank Zabel
Client Phone No:	**Client Email:**	**PO Number:**
518-402-9813		**Samplers: (Signature)** Frank Zabel

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	RW 1	4/17/15	1:00	A	H20		X	2	Epa 601
002	RW 2	4/17/15	1:02	A	H20		X	2	Epa 601
003	Effluent	4/17/15	1:04	A	H20		X	2	Epa 601
004	Dup	4/17/15	1:06	A	H20		X	2	Epa 601
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					

Shipment Arrived Via:
FedEx UPS (Client) AES Other:_____

CC Report To / Special Instructions/Remarks:
ATalbot@AztechTech.com
JVonudentz@EAEST.com

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Frank Zabel		
Relinquished by: (Signature)	**Received by: (Signature)**	**Date/Time**
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
	J. Mahar	4/17/15 2:15 P.M.

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or (Chilled) 16°C	Y ☒ N ☐	(Y) N	(Y) N
Notes:		Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services Inc.
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314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.,** nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.,** its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

June 05, 2015

Whitney Shafer
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383
FAX: (518) 885-5385

Work Order No: 150522039

RE: DEC Monthly analysis
Roxy Cleaners

Dear Whitney Shafer:

Adirondack Environmental Services, Inc received 5 samples on 5/22/2015 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Manager

Adirondack Environmental Services, Inc

CASE NARRATIVE

CLIENT:	Aztech Technologies	**Date:** *05-Jun-15*
Project:	DEC Monthly analysis	
Lab Order:	150522039	

Sample containers were supplied by Adirondack Environmental Services.

Qualifiers:

- ND - Not Detected at reporting limit
- J - Analyte detected below quantitation limit
- B - Analyte detected in Blank
- X - Exceeds maximum contamination limit
- H - Hold time exceeded
- C - Details are above in Case Narrative
- S - LCS Spike recovery outside acceptable limits(+ is over - is under)
- R - Duplication outside acceptable limits
- T - Tentatively Identified Compound-Estimated
- E -Above quantitation range-Estimated
- M - Matrix Spike outside acceptable limits(+ is over - is under)

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *05-Jun-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW1
Work Order:	150522039	**Collection Date:**	5/22/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150522039-001
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 2.0	2.0	S-	µg/L	2	5/28/2015 4:23:00 PM
Chloromethane	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
Vinyl chloride	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
Bromomethane	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
Chloroethane	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
Trichlorofluoromethane	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
1,1-Dichloroethene	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
Methylene chloride	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
trans-1,2-Dichloroethene	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
1,1-Dichloroethane	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
cis-1,2-Dichloroethene	75	2.0		µg/L	2	5/28/2015 4:23:00 PM
Chloroform	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
1,1,1-Trichloroethane	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
Carbon tetrachloride	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
1,2-Dichloroethane	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
Trichloroethene	37	2.0		µg/L	2	5/28/2015 4:23:00 PM
Bromodichloromethane	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
1,2-Dichloropropane	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
cis-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
trans-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
1,1,2-Trichloroethane	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
Tetrachloroethene	360	2.0		µg/L	2	5/28/2015 4:23:00 PM
Dibromochloromethane	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
Chlorobenzene	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
Bromoform	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
1,1,2,2-Tetrachloroethane	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
1,3-Dichlorobenzene	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
1,4-Dichlorobenzene	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
1,2-Dichlorobenzene	< 2.0	2.0		µg/L	2	5/28/2015 4:23:00 PM
Surr: 4-Bromofluorobenzene	104	77.7-115		%REC	2	5/28/2015 4:23:00 PM

Adirondack Environmental Services, Inc

Date: *05-Jun-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW2
Work Order:	150522039	**Collection Date:**	5/22/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150522039-002
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 2.0	2.0	S-	µg/L	2	5/28/2015 4:47:00 PM
Chloromethane	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
Vinyl chloride	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
Bromomethane	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
Chloroethane	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
Trichlorofluoromethane	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
1,1-Dichloroethene	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
Methylene chloride	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
trans-1,2-Dichloroethene	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
1,1-Dichloroethane	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
cis-1,2-Dichloroethene	19	2.0		µg/L	2	5/28/2015 4:47:00 PM
Chloroform	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
1,1,1-Trichloroethane	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
Carbon tetrachloride	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
1,2-Dichloroethane	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
Trichloroethene	11	2.0		µg/L	2	5/28/2015 4:47:00 PM
Bromodichloromethane	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
1,2-Dichloropropane	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
cis-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
trans-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
1,1,2-Trichloroethane	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
Tetrachloroethene	270	2.0		µg/L	2	5/28/2015 4:47:00 PM
Dibromochloromethane	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
Chlorobenzene	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
Bromoform	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
1,1,2,2-Tetrachloroethane	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
1,3-Dichlorobenzene	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
1,4-Dichlorobenzene	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
1,2-Dichlorobenzene	< 2.0	2.0		µg/L	2	5/28/2015 4:47:00 PM
Surr: 4-Bromofluorobenzene	103	77.7-115		%REC	2	5/28/2015 4:47:00 PM

Adirondack Environmental Services, Inc

Date: *05-Jun-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW3
Work Order:	150522039	**Collection Date:**	5/22/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150522039-003
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 2.0	2.0	S-	µg/L	2	5/28/2015 5:11:00 PM
Chloromethane	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
Vinyl chloride	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
Bromomethane	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
Chloroethane	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
Trichlorofluoromethane	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
1,1-Dichloroethene	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
Methylene chloride	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
trans-1,2-Dichloroethene	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
1,1-Dichloroethane	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
cis-1,2-Dichloroethene	7.3	2.0		µg/L	2	5/28/2015 5:11:00 PM
Chloroform	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
1,1,1-Trichloroethane	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
Carbon tetrachloride	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
1,2-Dichloroethane	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
Trichloroethene	5.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
Bromodichloromethane	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
1,2-Dichloropropane	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
cis-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
trans-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
1,1,2-Trichloroethane	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
Tetrachloroethene	190	2.0		µg/L	2	5/28/2015 5:11:00 PM
Dibromochloromethane	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
Chlorobenzene	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
Bromoform	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
1,1,2,2-Tetrachloroethane	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
1,3-Dichlorobenzene	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
1,4-Dichlorobenzene	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
1,2-Dichlorobenzene	< 2.0	2.0		µg/L	2	5/28/2015 5:11:00 PM
Surr: 4-Bromofluorobenzene	102	77.7-115		%REC	2	5/28/2015 5:11:00 PM

Adirondack Environmental Services, Inc

Date: *05-Jun-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	Effluent
Work Order:	150522039	**Collection Date:**	5/22/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150522039-004
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 1.0	1.0	S-M-	µg/L	1	5/28/2015 12:48:00 PM
Chloromethane	< 1.0	1.0	M-	µg/L	1	5/28/2015 12:48:00 PM
Vinyl chloride	< 1.0	1.0	M-	µg/L	1	5/28/2015 12:48:00 PM
Bromomethane	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
Chloroethane	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
Methylene chloride	< 1.0	1.0	M-	µg/L	1	5/28/2015 12:48:00 PM
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
Chloroform	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
Trichloroethene	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
Chlorobenzene	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
Bromoform	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/28/2015 12:48:00 PM
Surr: 4-Bromofluorobenzene	100	77.7-115		%REC	1	5/28/2015 12:48:00 PM

Adirondack Environmental Services, Inc

Date: *05-Jun-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	Dup
Work Order:	150522039	**Collection Date:**	5/22/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150522039-005
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	< 2.0	2.0	S-	µg/L	2	5/28/2015 5:35:00 PM
Chloromethane	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
Vinyl chloride	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
Bromomethane	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
Chloroethane	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
Trichlorofluoromethane	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
1,1-Dichloroethene	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
Methylene chloride	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
trans-1,2-Dichloroethene	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
1,1-Dichloroethane	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
cis-1,2-Dichloroethene	18	2.0		µg/L	2	5/28/2015 5:35:00 PM
Chloroform	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
1,1,1-Trichloroethane	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
Carbon tetrachloride	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
1,2-Dichloroethane	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
Trichloroethene	11	2.0		µg/L	2	5/28/2015 5:35:00 PM
Bromodichloromethane	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
1,2-Dichloropropane	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
cis-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
trans-1,3-Dichloropropene	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
1,1,2-Trichloroethane	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
Tetrachloroethene	290	2.0		µg/L	2	5/28/2015 5:35:00 PM
Dibromochloromethane	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
Chlorobenzene	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
Bromoform	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
1,1,2,2-Tetrachloroethane	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
1,3-Dichlorobenzene	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
1,4-Dichlorobenzene	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
1,2-Dichlorobenzene	< 2.0	2.0		µg/L	2	5/28/2015 5:35:00 PM
Surr: 4-Bromofluorobenzene	104	77.7-115		%REC	2	5/28/2015 5:35:00 PM

Adirondack Environmental Services, Inc.

314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

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CHAIN OF CUSTODY RECORD

AES Work Order # 15052203 9

Client Name:	Address:		
Dec Central Remediation	625 Broadway Albany N.Y.		
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**	
Carl Hoffman	Roxy Cleaners	Frank Zabel	
Client Phone No:	**Client Email:**	**PO Number:**	**Samplers: (Signature)**
518-402-9813			Frank Zabel

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	RW1	5/22/15	12:35	A	H_2O		x	2	Epa 601
002	RW2	5/22/15	12:37	A	H_2O		x	2	Epa 601
003	RW3	5/22/15	12:39	A	H_2O		x	2	Epa 601
004	Effluent	5/22/15	12:41	A	H_2O		x	2	Epa 601
005	Dup	5/22/15	12:43	A	H_2O		x	2	Epa 601
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					

Shipment Arrived Via:
FedEx UPS Client AES Other:_____

CC Report To / Special Instructions/Remarks:
JJondentz@EAEST.com
ATalbot@Aztech Tech.com

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Frank Zabel		
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time
	J. Mik	5/22/15 1:08 PM

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y ☒ N ☐	Y N	Y N
Notes: 16°C		Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

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TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.,** nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.,** its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

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July 02, 2015

Whitney Shafer
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383
FAX: (518) 885-5385

Work Order No: 150619045

RE: DEC Monthly analysis
Roxy Cleaners

Dear Whitney Shafer:

Adirondack Environmental Services, Inc received 5 samples on 6/19/2015 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Christopher Hess
QA Manager

Adirondack Environmental Services, Inc CASE NARRATIVE

CLIENT:	Aztech Technologies	**Date:**	*02-Jul-15*
Project:	DEC Monthly analysis		
Lab Order:	150619045		

Sample containers were supplied by Adirondack Environmental Services.

These samples were received under ambient conditions. Chilling process was started following receipt at laboratory.

		C - Details are above in Case Narrative
Qualifiers:	ND - Not Detected at reporting limit	S - LCS Spike recovery outside acceptable limits(+ is over - is under)
	J - Analyte detected below quantitation limit	R - Duplication outside acceptable limits
	B - Analyte detected in Blank	T - Tentatively Identified Compound-Estimated
	X - Exceeds maximum contamination limit	E -Above quantitation range-Estimated
	H - Hold time exceeded	M - Matrix Spike outside acceptable limits(+ is over - is under)

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *02-Jul-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW 1
Work Order:	150619045	**Collection Date:**	6/19/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150619045-001
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	***< 5.0***	5.0	S-	µg/L	5	6/24/2015 9:19:00 PM
Chloromethane	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
Vinyl chloride	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
Bromomethane	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
Chloroethane	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
Trichlorofluoromethane	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
1,1-Dichloroethene	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
Methylene chloride	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
trans-1,2-Dichloroethene	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
1,1-Dichloroethane	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
cis-1,2-Dichloroethene	***66***	5.0		µg/L	5	6/24/2015 9:19:00 PM
Chloroform	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
1,1,1-Trichloroethane	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
Carbon tetrachloride	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
1,2-Dichloroethane	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
Trichloroethene	***36***	5.0	S+	µg/L	5	6/24/2015 9:19:00 PM
Bromodichloromethane	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
1,2-Dichloropropane	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
cis-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
trans-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
1,1,2-Trichloroethane	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
Tetrachloroethene	***380***	5.0		µg/L	5	6/24/2015 9:19:00 PM
Dibromochloromethane	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
Chlorobenzene	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
Bromoform	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
1,1,2,2-Tetrachloroethane	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
1,3-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
1,4-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
1,2-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	6/24/2015 9:19:00 PM
Surr: 4-Bromofluorobenzene	***105***	77.7-115		%REC	5	6/24/2015 9:19:00 PM

Adirondack Environmental Services, Inc

Date: *02-Jul-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW 2
Work Order:	150619045	**Collection Date:**	6/19/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150619045-002
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	***< 2.0***	2.0	S-	µg/L	2	6/24/2015 8:07:00 PM
Chloromethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
Vinyl chloride	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
Bromomethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
Chloroethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
Trichlorofluoromethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
1,1-Dichloroethene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
Methylene chloride	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
trans-1,2-Dichloroethene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
1,1-Dichloroethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
cis-1,2-Dichloroethene	***18***	2.0		µg/L	2	6/24/2015 8:07:00 PM
Chloroform	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
1,1,1-Trichloroethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
Carbon tetrachloride	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
1,2-Dichloroethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
Trichloroethene	***12***	2.0	S+	µg/L	2	6/24/2015 8:07:00 PM
Bromodichloromethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
1,2-Dichloropropane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
cis-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
trans-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
1,1,2-Trichloroethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
Tetrachloroethene	***350***	2.0		µg/L	2	6/24/2015 8:07:00 PM
Dibromochloromethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
Chlorobenzene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
Bromoform	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
1,1,2,2-Tetrachloroethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
1,3-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
1,4-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
1,2-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:07:00 PM
Surr: 4-Bromofluorobenzene	***107***	77.7-115		%REC	2	6/24/2015 8:07:00 PM

Adirondack Environmental Services, Inc

Date: *02-Jul-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW 3
Work Order:	150619045	**Collection Date:**	6/19/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150619045-003
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	***< 2.0***	2.0	S-	µg/L	2	6/24/2015 8:31:00 PM
Chloromethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
Vinyl chloride	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
Bromomethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
Chloroethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
Trichlorofluoromethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
1,1-Dichloroethene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
Methylene chloride	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
trans-1,2-Dichloroethene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
1,1-Dichloroethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
cis-1,2-Dichloroethene	***5.4***	2.0		µg/L	2	6/24/2015 8:31:00 PM
Chloroform	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
1,1,1-Trichloroethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
Carbon tetrachloride	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
1,2-Dichloroethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
Trichloroethene	***4.0***	2.0	S+	µg/L	2	6/24/2015 8:31:00 PM
Bromodichloromethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
1,2-Dichloropropane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
cis-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
trans-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
1,1,2-Trichloroethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
Tetrachloroethene	***200***	2.0		µg/L	2	6/24/2015 8:31:00 PM
Dibromochloromethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
Chlorobenzene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
Bromoform	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
1,1,2,2-Tetrachloroethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
1,3-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
1,4-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
1,2-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:31:00 PM
Surr: 4-Bromofluorobenzene	***104***	77.7-115		%REC	2	6/24/2015 8:31:00 PM

Adirondack Environmental Services, Inc

Date: *02-Jul-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	Effluent
Work Order:	150619045	**Collection Date:**	6/19/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150619045-004
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	***< 1.0***	1.0	S-M-	µg/L	1	6/24/2015 7:01:00 PM
Chloromethane	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
Vinyl chloride	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
Bromomethane	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
Chloroethane	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
Trichlorofluoromethane	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
1,1-Dichloroethene	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
Methylene chloride	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
trans-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
1,1-Dichloroethane	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
cis-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
Chloroform	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
1,1,1-Trichloroethane	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
Carbon tetrachloride	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
1,2-Dichloroethane	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
Trichloroethene	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
Bromodichloromethane	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
1,2-Dichloropropane	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
cis-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
trans-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
1,1,2-Trichloroethane	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
Tetrachloroethene	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
Dibromochloromethane	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
Chlorobenzene	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
Bromoform	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
1,1,2,2-Tetrachloroethane	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
1,3-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
1,4-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
1,2-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	6/24/2015 7:01:00 PM
Surr: 4-Bromofluorobenzene	***106***	77.7-115		%REC	1	6/24/2015 7:01:00 PM

Adirondack Environmental Services, Inc

Date: *02-Jul-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	DUP
Work Order:	150619045	**Collection Date:**	6/19/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150619045-005
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	***< 2.0***	2.0	S-	µg/L	2	6/24/2015 8:55:00 PM
Chloromethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
Vinyl chloride	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
Bromomethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
Chloroethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
Trichlorofluoromethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
1,1-Dichloroethene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
Methylene chloride	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
trans-1,2-Dichloroethene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
1,1-Dichloroethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
cis-1,2-Dichloroethene	***6.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
Chloroform	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
1,1,1-Trichloroethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
Carbon tetrachloride	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
1,2-Dichloroethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
Trichloroethene	***3.8***	2.0	S+	µg/L	2	6/24/2015 8:55:00 PM
Bromodichloromethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
1,2-Dichloropropane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
cis-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
trans-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
1,1,2-Trichloroethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
Tetrachloroethene	***200***	2.0		µg/L	2	6/24/2015 8:55:00 PM
Dibromochloromethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
Chlorobenzene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
Bromoform	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
1,1,2,2-Tetrachloroethane	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
1,3-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
1,4-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
1,2-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	6/24/2015 8:55:00 PM
Surr: 4-Bromofluorobenzene	***106***	77.7-115		%REC	2	6/24/2015 8:55:00 PM

Adirondack Environmental Services Inc.

314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

CHAIN OF CUSTODY RECORD

AES Work Order # 15061904 5

Client Name:	Address:	
Dec Central Remediation	625 Broadway Albany N.Y.	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Carl Hoffman	Roxy Cleaners	Frank Zabel
Client Phone No:	**Client Email:**	**PO Number:**
518-402-9813		**Samplers: (Signature)** Frank Zabel

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	RW 1	6/19/15	1:30	A/P	H2O		X	2	Epa 601
002	RW 2	6/19/15	1:32	A/P	H2O		X	2	Epa 601
003	RW 3	6/19/15	1:34	A/P	H2O		X	2	Epa 601
004	Effluent	6/19/15	1:36	A/P	H2O		X	2	Epa 601
005	Dup	6/19/15	1:38	A/P	H2O		X	2	Epa 601
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					

Shipment Arrived Via:
FedEx UPS (Client) AES Other:_____

CC Report To / Special Instructions/Remarks:
J Vonuderitz @ EAEST.com
A Talbot @ Aztech Tech.com

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Frank Zabel		
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time
	C. Boyer	6/19/15 1:56pm

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y ☒ N ☐	Y N	Y N
Notes: 21°		Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services Inc.
Experience is the solution
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TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

Adirondack Environmental Services, Inc.

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314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

August 06, 2015

Whitney Shafer
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383
FAX: (518) 885-5385

Work Order No: 150724044

RE: DEC Monthly analysis
Roxy Cleaners

Dear Whitney Shafer:

Adirondack Environmental Services, Inc received 5 samples on 7/24/2015 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Manager

Adirondack Environmental Services, Inc — CASE NARRATIVE

CLIENT:	Aztech Technologies	**Date:**	*06-Aug-15*
Project:	DEC Monthly analysis		
Lab Order:	150724044		

Sample containers were supplied by Adirondack Environmental Services.

Qualifiers:

	C - Details are above in Case Narrative
ND - Not Detected at reporting limit	S - LCS Spike recovery outside acceptable limits(+ is over - is under)
J - Analyte detected below quantitation limit	R - Duplication outside acceptable limits
B - Analyte detected in Blank	T - Tentatively Identified Compound-Estimated
X - Exceeds maximum contamination limit	E -Above quantitation range-Estimated
H - Hold time exceeded	M - Matrix Spike outside acceptable limits(+ is over - is under)

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *06-Aug-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW 1
Work Order:	150724044	**Collection Date:**	7/24/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150724044-001
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	***< 5.0***	5.0	S-	µg/L	5	7/27/2015 7:11:00 PM
Chloromethane	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
Vinyl chloride	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
Bromomethane	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
Chloroethane	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
Trichlorofluoromethane	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
1,1-Dichloroethene	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
Methylene chloride	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
trans-1,2-Dichloroethene	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
1,1-Dichloroethane	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
cis-1,2-Dichloroethene	***72***	5.0		µg/L	5	7/27/2015 7:11:00 PM
Chloroform	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
1,1,1-Trichloroethane	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
Carbon tetrachloride	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
1,2-Dichloroethane	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
Trichloroethene	***32***	5.0		µg/L	5	7/27/2015 7:11:00 PM
Bromodichloromethane	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
1,2-Dichloropropane	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
cis-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
trans-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
1,1,2-Trichloroethane	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
Tetrachloroethene	***300***	5.0		µg/L	5	7/27/2015 7:11:00 PM
Dibromochloromethane	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
Chlorobenzene	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
Bromoform	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
1,1,2,2-Tetrachloroethane	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
1,3-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
1,4-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
1,2-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	7/27/2015 7:11:00 PM
Surr: 4-Bromofluorobenzene	***97.1***	77.7-115		%REC	5	7/27/2015 7:11:00 PM

Adirondack Environmental Services, Inc

Date: *06-Aug-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW 2
Work Order:	150724044	**Collection Date:**	7/24/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150724044-002
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	***< 2.0***	2.0	S-	µg/L	2	7/27/2015 5:59:00 PM
Chloromethane	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
Vinyl chloride	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
Bromomethane	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
Chloroethane	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
Trichlorofluoromethane	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
1,1-Dichloroethene	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
Methylene chloride	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
trans-1,2-Dichloroethene	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
1,1-Dichloroethane	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
cis-1,2-Dichloroethene	***23***	2.0		µg/L	2	7/27/2015 5:59:00 PM
Chloroform	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
1,1,1-Trichloroethane	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
Carbon tetrachloride	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
1,2-Dichloroethane	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
Trichloroethene	***11***	2.0		µg/L	2	7/27/2015 5:59:00 PM
Bromodichloromethane	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
1,2-Dichloropropane	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
cis-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
trans-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
1,1,2-Trichloroethane	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
Tetrachloroethene	***310***	2.0		µg/L	2	7/27/2015 5:59:00 PM
Dibromochloromethane	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
Chlorobenzene	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
Bromoform	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
1,1,2,2-Tetrachloroethane	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
1,3-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
1,4-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
1,2-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	7/27/2015 5:59:00 PM
Surr: 4-Bromofluorobenzene	***97.9***	77.7-115		%REC	2	7/27/2015 5:59:00 PM

Adirondack Environmental Services, Inc

Date: *06-Aug-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW 3
Work Order:	150724044	**Collection Date:**	7/24/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150724044-003
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	***< 1.0***	1.0	S-	µg/L	1	7/28/2015 3:38:00 PM
Chloromethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
Vinyl chloride	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
Bromomethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
Chloroethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
Trichlorofluoromethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
1,1-Dichloroethene	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
Methylene chloride	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
trans-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
1,1-Dichloroethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
cis-1,2-Dichloroethene	***6.6***	1.0		µg/L	1	7/28/2015 3:38:00 PM
Chloroform	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
1,1,1-Trichloroethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
Carbon tetrachloride	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
1,2-Dichloroethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
Trichloroethene	***3.4***	1.0		µg/L	1	7/28/2015 3:38:00 PM
Bromodichloromethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
1,2-Dichloropropane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
cis-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
trans-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
1,1,2-Trichloroethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
Tetrachloroethene	***150***	1.0		µg/L	1	7/28/2015 3:38:00 PM
Dibromochloromethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
Chlorobenzene	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
Bromoform	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
1,1,2,2-Tetrachloroethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
1,3-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
1,4-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
1,2-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	7/28/2015 3:38:00 PM
Surr: 4-Bromofluorobenzene	***99.1***	77.7-115		%REC	1	7/28/2015 3:38:00 PM

Adirondack Environmental Services, Inc

Date: *06-Aug-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	DUP
Work Order:	150724044	**Collection Date:**	7/24/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150724044-004
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	***< 1.0***	1.0	S-	µg/L	1	7/28/2015 3:17:00 PM
Chloromethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
Vinyl chloride	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
Bromomethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
Chloroethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
Trichlorofluoromethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
1,1-Dichloroethene	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
Methylene chloride	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
trans-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
1,1-Dichloroethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
cis-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
Chloroform	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
1,1,1-Trichloroethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
Carbon tetrachloride	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
1,2-Dichloroethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
Trichloroethene	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
Bromodichloromethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
1,2-Dichloropropane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
cis-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
trans-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
1,1,2-Trichloroethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
Tetrachloroethene	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
Dibromochloromethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
Chlorobenzene	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
Bromoform	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
1,1,2,2-Tetrachloroethane	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
1,3-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
1,4-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
1,2-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	7/28/2015 3:17:00 PM
Surr: 4-Bromofluorobenzene	***98.7***	77.7-115		%REC	1	7/28/2015 3:17:00 PM

Adirondack Environmental Services, Inc

Date: *06-Aug-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	Effluent
Work Order:	150724044	**Collection Date:**	7/24/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150724044-005
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SJ**
Dichlorodifluoromethane	***< 1.0***	1.0	S-M-	µg/L	1	7/27/2015 4:49:00 PM
Chloromethane	***< 1.0***	1.0	M-	µg/L	1	7/27/2015 4:49:00 PM
Vinyl chloride	***< 1.0***	1.0	M-	µg/L	1	7/27/2015 4:49:00 PM
Bromomethane	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
Chloroethane	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
Trichlorofluoromethane	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
1,1-Dichloroethene	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
Methylene chloride	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
trans-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
1,1-Dichloroethane	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
cis-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
Chloroform	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
1,1,1-Trichloroethane	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
Carbon tetrachloride	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
1,2-Dichloroethane	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
Trichloroethene	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
Bromodichloromethane	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
1,2-Dichloropropane	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
cis-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
trans-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
1,1,2-Trichloroethane	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
Tetrachloroethene	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
Dibromochloromethane	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
Chlorobenzene	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
Bromoform	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
1,1,2,2-Tetrachloroethane	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
1,3-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
1,4-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
1,2-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	7/27/2015 4:49:00 PM
Surr: 4-Bromofluorobenzene	***93.6***	77.7-115		%REC	1	7/27/2015 4:49:00 PM

Adirondack Environmental Services Inc.®
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

CHAIN OF CUSTODY RECORD

AES Work Order # 150724044

Client Name:	Address:	
Dec Central Remediation	625 Broadway Albany	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Carl Hoffman	Roxy Cleaners	Frank Zabel
Client Phone No:	**Client Email:**	**PO Number:**
518-402-9813		**Samplers: (Signature)** Frank Zabel

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	RW 1	7/24/15	1:24	A P	H_2O		X	2	Epa 601
002	RW 2	7/24/15	1:26	A P	H_2O		X	2	Epa 601
003	RW 3	7/24/15	1:28	A P	H_2O		X	2	Epa 601
004	Dup	7/24/15	1:30	A P	H_2O		X	2	Epa 601
005	Effluent	7/24/15	1:35	A P	H_2O		X	2	Epa 601
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					

Shipment Arrived Via: FedEx UPS (Client) AES Other:_____

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

CC Report To / Special Instructions/Remarks:
J Vanderitze @ ENTEST.com
A Talbot @ Atech Tech. com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Frank Zabel		
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time
		7/24/15 2:1 P

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
(Ambient) or Chilled 20°C	Y ☒ N ☐	(Y) N	(Y) N
Notes:		Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

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314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

August 27, 2015

Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383
FAX: (518) 885-5385

Work Order No: 150814052

RE: DEC Monthly analysis
Roxy Cleaners

Dear :

Adirondack Environmental Services, Inc received 4 samples on 8/14/2015 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Manager

Adirondack Environmental Services, Inc CASE NARRATIVE

CLIENT:	Aztech Technologies	**Date:**	*27-Aug-15*
Project:	DEC Monthly analysis		
Lab Order:	150814052		

Sample containers were supplied by Adirondack Environmental Services.

		C - Details are above in Case Narrative
Qualifiers:	ND - Not Detected at reporting limit	S - LCS Spike recovery outside acceptable limits(+ is over - is under)
	J - Analyte detected below quantitation limit	R - Duplication outside acceptable limits
	B - Analyte detected in Blank	T - Tentatively Identified Compound-Estimated
	X - Exceeds maximum contamination limit	E -Above quantitation range-Estimated
	H - Hold time exceeded	M - Matrix Spike outside acceptable limits(+ is over - is under)

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *27-Aug-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW2
Work Order:	150814052	**Collection Date:**	8/14/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150814052-001
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
Chloromethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
Vinyl chloride	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
Bromomethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
Chloroethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
Trichlorofluoromethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
1,1-Dichloroethene	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
Methylene chloride	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
trans-1,2-Dichloroethene	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
1,1-Dichloroethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
cis-1,2-Dichloroethene	***5.2***	2.0		µg/L	2	8/17/2015 5:31:00 PM
Chloroform	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
1,1,1-Trichloroethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
Carbon tetrachloride	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
1,2-Dichloroethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
Trichloroethene	***4.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
Bromodichloromethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
1,2-Dichloropropane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
cis-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
trans-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
1,1,2-Trichloroethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
Tetrachloroethene	***160***	2.0		µg/L	2	8/17/2015 5:31:00 PM
Dibromochloromethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
Chlorobenzene	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
Bromoform	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
1,1,2,2-Tetrachloroethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
1,3-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
1,4-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
1,2-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	8/17/2015 5:31:00 PM
Surr: 4-Bromofluorobenzene	***102***	77.7-115		%REC	2	8/17/2015 5:31:00 PM

Adirondack Environmental Services, Inc

Date: *27-Aug-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW3
Work Order:	150814052	**Collection Date:**	8/14/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150814052-002
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
Chloromethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
Vinyl chloride	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
Bromomethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
Chloroethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
Trichlorofluoromethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
1,1-Dichloroethene	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
Methylene chloride	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
trans-1,2-Dichloroethene	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
1,1-Dichloroethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
cis-1,2-Dichloroethene	***5.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
Chloroform	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
1,1,1-Trichloroethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
Carbon tetrachloride	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
1,2-Dichloroethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
Trichloroethene	***3.6***	2.0		µg/L	2	8/17/2015 5:55:00 PM
Bromodichloromethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
1,2-Dichloropropane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
cis-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
trans-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
1,1,2-Trichloroethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
Tetrachloroethene	***150***	2.0		µg/L	2	8/17/2015 5:55:00 PM
Dibromochloromethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
Chlorobenzene	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
Bromoform	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
1,1,2,2-Tetrachloroethane	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
1,3-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
1,4-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
1,2-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	8/17/2015 5:55:00 PM
Surr: 4-Bromofluorobenzene	***101***	77.7-115		%REC	2	8/17/2015 5:55:00 PM

Adirondack Environmental Services, Inc

Date: *27-Aug-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	EFF
Work Order:	150814052	**Collection Date:**	8/14/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150814052-003
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
Chloromethane	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
Vinyl chloride	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
Bromomethane	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
Chloroethane	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
Trichlorofluoromethane	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
1,1-Dichloroethene	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
Methylene chloride	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
trans-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
1,1-Dichloroethane	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
cis-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
Chloroform	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
1,1,1-Trichloroethane	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
Carbon tetrachloride	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
1,2-Dichloroethane	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
Trichloroethene	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
Bromodichloromethane	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
1,2-Dichloropropane	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
cis-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
trans-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
1,1,2-Trichloroethane	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
Tetrachloroethene	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
Dibromochloromethane	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
Chlorobenzene	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
Bromoform	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
1,1,2,2-Tetrachloroethane	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
1,3-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
1,4-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
1,2-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	8/17/2015 1:05:00 PM
Surr: 4-Bromofluorobenzene	***95.5***	77.7-115		%REC	1	8/17/2015 1:05:00 PM

Adirondack Environmental Services, Inc

Date: *27-Aug-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	DUP
Work Order:	150814052	**Collection Date:**	8/14/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150814052-004
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
Chloromethane	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
Vinyl chloride	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
Bromomethane	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
Chloroethane	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
Trichlorofluoromethane	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
1,1-Dichloroethene	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
Methylene chloride	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
trans-1,2-Dichloroethene	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
1,1-Dichloroethane	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
cis-1,2-Dichloroethene	***5.8***	2.0		µg/L	2	8/17/2015 6:19:00 PM
Chloroform	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
1,1,1-Trichloroethane	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
Carbon tetrachloride	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
1,2-Dichloroethane	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
Trichloroethene	***4.1***	2.0		µg/L	2	8/17/2015 6:19:00 PM
Bromodichloromethane	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
1,2-Dichloropropane	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
cis-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
trans-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
1,1,2-Trichloroethane	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
Tetrachloroethene	***150***	2.0		µg/L	2	8/17/2015 6:19:00 PM
Dibromochloromethane	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
Chlorobenzene	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
Bromoform	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
1,1,2,2-Tetrachloroethane	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
1,3-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
1,4-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
1,2-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	8/17/2015 6:19:00 PM
Surr: 4-Bromofluorobenzene	***98.9***	77.7-115		%REC	2	8/17/2015 6:19:00 PM

1508140852

Adirondack Environmental Services Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

AES Work Order # 14082057

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
Dec Central Remediation	625 Broadway Albany NY	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Carl Hoffman	Roxy Cleaners	Richard Klayer
Client Phone No:	**Client Email:**	**PO Number:**
518-402-9813		

Samplers: (Signature)

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
~~Dup~~ Samp	~~RW 1~~	~~8/14/15~~	~~1100~~ A P	~~H2O~~		X	2	~~Epa 601~~
001	RW 2	8/14/15	1035 A P	H2O		X	2	Epa 601
002	RW 3	8/14/15	1120 A P	H2O		X	2	Epa 601
003	Eff	8/14/15	1120 A P	H2O		X	2	Epa 601
004	Dup	8/14/15	1105 A P	H2O		X	2	Epa 601
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					

Shipment Arrived Via:
FedEx UPS Client AES Other:_____

CC Report To / Special Instructions/Remarks: JVonaderitz@~~AES~~T.com
ATalbot@Aztech.com

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time
		8/14/15 12:25pm

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y N	Y N	Y N
Notes: 18°C	☒ ☐	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

September 29, 2015

A. Talbot
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383
FAX: (518) 885-5385

Work Order No: 150918040

RE: DEC Monthly analysis
Roxy Cleaners

Dear A. Talbot:

Adirondack Environmental Services, Inc received 4 samples on 9/18/2015 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Manager

Adirondack Environmental Services, Inc CASE NARRATIVE

CLIENT:	Aztech Technologies	**Date:**	*29-Sep-15*
Project:	DEC Monthly analysis		
Lab Order:	150918040		

Sample containers were supplied by Adirondack Environmental Services.

These samples were received under ambient conditions. Chilling process was started following receipt at laboratory.

		C - Details are above in Case Narrative
Qualifiers:	ND - Not Detected at reporting limit	S - LCS Spike recovery outside acceptable limits(+ is over - is under)
	J - Analyte detected below quantitation limit	R - Duplication outside acceptable limits
	B - Analyte detected in Blank	T - Tentatively Identified Compound-Estimated
	X - Exceeds maximum contamination limit	E -Above quantitation range-Estimated
	H - Hold time exceeded	M - Matrix Spike outside acceptable limits(+ is over - is under)

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *29-Sep-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW2
Work Order:	150918040	**Collection Date:**	9/18/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150918040-001
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
Chloromethane	***< 5.0***	5.0	S-	µg/L	5	9/28/2015 7:28:00 PM
Vinyl chloride	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
Bromomethane	***< 5.0***	5.0	S-	µg/L	5	9/28/2015 7:28:00 PM
Chloroethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
Trichlorofluoromethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
1,1-Dichloroethene	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
Methylene chloride	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
trans-1,2-Dichloroethene	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
1,1-Dichloroethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
cis-1,2-Dichloroethene	***32***	5.0		µg/L	5	9/28/2015 7:28:00 PM
Chloroform	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
1,1,1-Trichloroethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
Carbon tetrachloride	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
1,2-Dichloroethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
Trichloroethene	***18***	5.0		µg/L	5	9/28/2015 7:28:00 PM
Bromodichloromethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
1,2-Dichloropropane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
cis-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
trans-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
1,1,2-Trichloroethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
Tetrachloroethene	***500***	5.0		µg/L	5	9/28/2015 7:28:00 PM
Dibromochloromethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
Chlorobenzene	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
Bromoform	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
1,1,2,2-Tetrachloroethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
1,3-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
1,4-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
1,2-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	9/28/2015 7:28:00 PM
Surr: 4-Bromofluorobenzene	***106***	77.7-115		%REC	5	9/28/2015 7:28:00 PM

Adirondack Environmental Services, Inc

Date: *29-Sep-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW3
Work Order:	150918040	**Collection Date:**	9/18/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150918040-002
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
Chloromethane	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
Vinyl chloride	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
Bromomethane	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
Chloroethane	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
Trichlorofluoromethane	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
1,1-Dichloroethene	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
Methylene chloride	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
trans-1,2-Dichloroethene	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
1,1-Dichloroethane	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
cis-1,2-Dichloroethene	***5.7***	2.0		µg/L	2	9/26/2015 2:23:00 AM
Chloroform	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
1,1,1-Trichloroethane	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
Carbon tetrachloride	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
1,2-Dichloroethane	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
Trichloroethene	***4.1***	2.0		µg/L	2	9/26/2015 2:23:00 AM
Bromodichloromethane	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
1,2-Dichloropropane	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
cis-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
trans-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
1,1,2-Trichloroethane	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
Tetrachloroethene	***190***	2.0		µg/L	2	9/26/2015 2:23:00 AM
Dibromochloromethane	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
Chlorobenzene	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
Bromoform	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
1,1,2,2-Tetrachloroethane	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
1,3-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
1,4-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
1,2-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	9/26/2015 2:23:00 AM
Surr: 4-Bromofluorobenzene	***98.6***	77.7-115		%REC	2	9/26/2015 2:23:00 AM

Adirondack Environmental Services, Inc

Date: *29-Sep-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	EFF
Work Order:	150918040	**Collection Date:**	9/18/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150918040-003
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
Chloromethane	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
Vinyl chloride	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
Bromomethane	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
Chloroethane	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
Trichlorofluoromethane	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
1,1-Dichloroethene	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
Methylene chloride	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
trans-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
1,1-Dichloroethane	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
cis-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
Chloroform	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
1,1,1-Trichloroethane	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
Carbon tetrachloride	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
1,2-Dichloroethane	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
Trichloroethene	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
Bromodichloromethane	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
1,2-Dichloropropane	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
cis-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
trans-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
1,1,2-Trichloroethane	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
Tetrachloroethene	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
Dibromochloromethane	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
Chlorobenzene	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
Bromoform	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
1,1,2,2-Tetrachloroethane	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
1,3-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
1,4-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
1,2-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	9/26/2015 12:52:00 AM
Surr: 4-Bromofluorobenzene	***102***	77.7-115		%REC	1	9/26/2015 12:52:00 AM

Adirondack Environmental Services, Inc

Date: *29-Sep-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	DUP
Work Order:	150918040	**Collection Date:**	9/18/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	150918040-004
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
Chloromethane	***< 5.0***	5.0	S-	µg/L	5	9/28/2015 7:52:00 PM
Vinyl chloride	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
Bromomethane	***< 5.0***	5.0	S-	µg/L	5	9/28/2015 7:52:00 PM
Chloroethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
Trichlorofluoromethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
1,1-Dichloroethene	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
Methylene chloride	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
trans-1,2-Dichloroethene	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
1,1-Dichloroethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
cis-1,2-Dichloroethene	***33***	5.0		µg/L	5	9/28/2015 7:52:00 PM
Chloroform	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
1,1,1-Trichloroethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
Carbon tetrachloride	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
1,2-Dichloroethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
Trichloroethene	***19***	5.0		µg/L	5	9/28/2015 7:52:00 PM
Bromodichloromethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
1,2-Dichloropropane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
cis-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
trans-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
1,1,2-Trichloroethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
Tetrachloroethene	***510***	5.0		µg/L	5	9/28/2015 7:52:00 PM
Dibromochloromethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
Chlorobenzene	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
Bromoform	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
1,1,2,2-Tetrachloroethane	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
1,3-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
1,4-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
1,2-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	9/28/2015 7:52:00 PM
Surr: 4-Bromofluorobenzene	***107***	77.7-115		%REC	5	9/28/2015 7:52:00 PM

Adirondack Environmental Services Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

AES Work Order # 15091804O

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
Dec Central Remediation	625 Broadway Albany NY.	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Carl Hoffman	Roxy Cleaners	Frank Zabel
Client Phone No:	**Client Email:**	**PO Number:**
518-402-9813		

Samplers: (Signature) Frank Zabel

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	RW 2	9/18/15	1:15	A	H_2O		X	2	Epa 601
002	RW 3	9/18/15	1:17	A	H_2O		X	2	Epa 601
003	Effluent	9/18/15	1:19	A	H_2O		X	2	Epa 601
004	Dup	9/18/15	1:21	A	H_2O		X	2	Epa 601
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					

Shipment Arrived Via:
FedEx UPS Client AES Other:_____

CC Report To / Special Instructions/Remarks:
JVonuderitz@EAEST.com
ATalbot@Aztech Env.com

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Frank Zabel		
Relinquished by: (Signature)	**Received by: (Signature)**	**Date/Time**
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
	Cassidy Segnar	9/18/15 1:49pm

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y N	Y N	Y N
Notes: 20		Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

October 28, 2015

A. Talbot
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383
FAX: (518) 885-5385

Work Order No: 151023042

RE: DEC Monthly analysis
Roxy Cleaners

Dear A. Talbot:

Adirondack Environmental Services, Inc received 4 samples on 10/23/2015 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Manager

Adirondack Environmental Services, Inc CASE NARRATIVE

CLIENT:	Aztech Technologies	**Date:**	*28-Oct-15*
Project:	DEC Monthly analysis		
Lab Order:	151023042		

Sample containers were supplied by Adirondack Environmental Services.

		C - Details are above in Case Narrative
Qualifiers:	ND - Not Detected at reporting limit	S - LCS Spike recovery outside acceptable limits(+ is over - is under)
	J - Analyte detected below quantitation limit	R - Duplication outside acceptable limits
	B - Analyte detected in Blank	T - Tentatively Identified Compound-Estimated
	X - Exceeds maximum contamination limit	E -Above quantitation range-Estimated
	H - Hold time exceeded	M - Matrix Spike outside acceptable limits(+ is over - is under)

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *28-Oct-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW2
Work Order:	151023042	**Collection Date:**	10/23/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	151023042-001
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
Chloromethane	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
Vinyl chloride	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
Bromomethane	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
Chloroethane	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
Trichlorofluoromethane	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
1,1-Dichloroethene	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
Methylene chloride	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
trans-1,2-Dichloroethene	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
1,1-Dichloroethane	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
cis-1,2-Dichloroethene	***34***	5.0		µg/L	5	10/28/2015 1:09:00 AM
Chloroform	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
1,1,1-Trichloroethane	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
Carbon tetrachloride	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
1,2-Dichloroethane	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
Trichloroethene	***20***	5.0		µg/L	5	10/28/2015 1:09:00 AM
Bromodichloromethane	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
1,2-Dichloropropane	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
cis-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
trans-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
1,1,2-Trichloroethane	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
Tetrachloroethene	***560***	5.0		µg/L	5	10/28/2015 1:09:00 AM
Dibromochloromethane	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
Chlorobenzene	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
Bromoform	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
1,1,2,2-Tetrachloroethane	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
1,3-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
1,4-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
1,2-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	10/28/2015 1:09:00 AM
Surr: 4-Bromofluorobenzene	***109***	77.7-115		%REC	5	10/28/2015 1:09:00 AM

Adirondack Environmental Services, Inc

Date: *28-Oct-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW3
Work Order:	151023042	**Collection Date:**	10/23/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	151023042-002
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
Chloromethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
Vinyl chloride	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
Bromomethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
Chloroethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
Trichlorofluoromethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
1,1-Dichloroethene	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
Methylene chloride	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
trans-1,2-Dichloroethene	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
1,1-Dichloroethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
cis-1,2-Dichloroethene	***5.6***	2.0		µg/L	2	10/28/2015 12:21:00 AM
Chloroform	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
1,1,1-Trichloroethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
Carbon tetrachloride	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
1,2-Dichloroethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
Trichloroethene	***3.2***	2.0		µg/L	2	10/28/2015 12:21:00 AM
Bromodichloromethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
1,2-Dichloropropane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
cis-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
trans-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
1,1,2-Trichloroethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
Tetrachloroethene	***190***	2.0		µg/L	2	10/28/2015 12:21:00 AM
Dibromochloromethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
Chlorobenzene	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
Bromoform	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
1,1,2,2-Tetrachloroethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
1,3-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
1,4-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
1,2-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	10/28/2015 12:21:00 AM
Surr: 4-Bromofluorobenzene	***104***	77.7-115		%REC	2	10/28/2015 12:21:00 AM

Adirondack Environmental Services, Inc

Date: *28-Oct-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	Effluent
Work Order:	151023042	**Collection Date:**	10/23/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	151023042-003
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
Chloromethane	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
Vinyl chloride	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
Bromomethane	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
Chloroethane	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
Trichlorofluoromethane	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
1,1-Dichloroethene	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
Methylene chloride	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
trans-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
1,1-Dichloroethane	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
cis-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
Chloroform	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
1,1,1-Trichloroethane	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
Carbon tetrachloride	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
1,2-Dichloroethane	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
Trichloroethene	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
Bromodichloromethane	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
1,2-Dichloropropane	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
cis-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
trans-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
1,1,2-Trichloroethane	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
Tetrachloroethene	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
Dibromochloromethane	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
Chlorobenzene	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
Bromoform	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
1,1,2,2-Tetrachloroethane	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
1,3-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
1,4-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
1,2-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	10/27/2015 7:42:00 PM
Surr: 4-Bromofluorobenzene	***98.9***	77.7-115		%REC	1	10/27/2015 7:42:00 PM

Adirondack Environmental Services, Inc

Date: *28-Oct-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	DUP
Work Order:	151023042	**Collection Date:**	10/23/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	151023042-004
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
Chloromethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
Vinyl chloride	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
Bromomethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
Chloroethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
Trichlorofluoromethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
1,1-Dichloroethene	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
Methylene chloride	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
trans-1,2-Dichloroethene	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
1,1-Dichloroethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
cis-1,2-Dichloroethene	***5.6***	2.0		µg/L	2	10/28/2015 12:45:00 AM
Chloroform	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
1,1,1-Trichloroethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
Carbon tetrachloride	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
1,2-Dichloroethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
Trichloroethene	***3.3***	2.0		µg/L	2	10/28/2015 12:45:00 AM
Bromodichloromethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
1,2-Dichloropropane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
cis-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
trans-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
1,1,2-Trichloroethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
Tetrachloroethene	***200***	2.0		µg/L	2	10/28/2015 12:45:00 AM
Dibromochloromethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
Chlorobenzene	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
Bromoform	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
1,1,2,2-Tetrachloroethane	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
1,3-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
1,4-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
1,2-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	10/28/2015 12:45:00 AM
Surr: 4-Bromofluorobenzene	***106***	77.7-115		%REC	2	10/28/2015 12:45:00 AM

Adirondack Environmental Services Inc.

314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

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A full service analytical research laboratory offering solutions to environmental concerns

CHAIN OF CUSTODY RECORD

AES Work Order # 15102342

Client Name:	Address:	
Dec Cental Remediation	625 Broadway Albany NY	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Carl Hoffman	Roxy Cleaners	Frank Zabel
Client Phone No:	**Client Email:**	**PO Number:**
518-462-9813		**Samplers: (Signature)** Frank Zabel

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	RW 2	10/23/15	12:30	P	H2O		X	2	Epa 601
002	RW 3	10/23/15	12:32	P	H2O		X	2	Epa 601
003	Effluent	10/23/15	12:34	P	H2O		X	2	Epa 601
004	Dup	10/23/15	12:36	P	H2O		X	2	Epa 601
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					

Shipment Arrived Via:
FedEx UPS (Client) AES Other:_____

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

CC Report To / Special Instructions/Remarks:
JVanderlee@EAEST.com
ATalbot@Aztechs Env.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Frank Zabel		
Relinquished by: (Signature)	**Received by: (Signature)**	**Date/Time**
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
	Cynthia Spencer	10/23/15 2:19pm

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or (Chilled)	Y ☒ N ☐	(Y) N	(Y) N
Notes: 15		Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services Inc.
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TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

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314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

November 30, 2015

A. Talbot
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383
FAX: (518) 885-5385

Work Order No: 151120067

RE: DEC Monthly analysis
Roxy Cleaners

Dear A. Talbot:

Adirondack Environmental Services, Inc received 4 samples on 11/20/2015 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Manager

Adirondack Environmental Services, Inc CASE NARRATIVE

CLIENT:	Aztech Technologies	**Date:**	*30-Nov-15*
Project:	DEC Monthly analysis		
Lab Order:	151120067		

Sample containers were supplied by Adirondack Environmental Services.

These samples were received under ambient conditions. Chilling process was started following receipt at laboratory.

		C - Details are above in Case Narrative
Qualifiers:	ND - Not Detected at reporting limit	S - LCS Spike recovery outside acceptable limits(+ is over - is under)
	J - Analyte detected below quantitation limit	R - Duplication outside acceptable limits
	B - Analyte detected in Blank	T - Tentatively Identified Compound-Estimated
	X - Exceeds maximum contamination limit	E -Above quantitation range-Estimated
	H - Hold time exceeded	M - Matrix Spike outside acceptable limits(+ is over - is under)

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *30-Nov-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW2
Work Order:	151120067	**Collection Date:**	11/20/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	151120067-001
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
Chloromethane	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
Vinyl chloride	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
Bromomethane	***< 5.0***	5.0	S-	µg/L	5	11/26/2015 4:18:00 AM
Chloroethane	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
Trichlorofluoromethane	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
1,1-Dichloroethene	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
Methylene chloride	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
trans-1,2-Dichloroethene	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
1,1-Dichloroethane	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
cis-1,2-Dichloroethene	***36***	5.0		µg/L	5	11/26/2015 4:18:00 AM
Chloroform	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
1,1,1-Trichloroethane	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
Carbon tetrachloride	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
1,2-Dichloroethane	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
Trichloroethene	***17***	5.0		µg/L	5	11/26/2015 4:18:00 AM
Bromodichloromethane	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
1,2-Dichloropropane	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
cis-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
trans-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
1,1,2-Trichloroethane	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
Tetrachloroethene	***450***	5.0		µg/L	5	11/26/2015 4:18:00 AM
Dibromochloromethane	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
Chlorobenzene	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
Bromoform	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
1,1,2,2-Tetrachloroethane	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
1,3-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
1,4-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
1,2-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	11/26/2015 4:18:00 AM
Surr: 4-Bromofluorobenzene	***82.5***	77.7-115		%REC	5	11/26/2015 4:18:00 AM

Adirondack Environmental Services, Inc

Date: *30-Nov-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW3
Work Order:	151120067	**Collection Date:**	11/20/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	151120067-002
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
Chloromethane	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
Vinyl chloride	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
Bromomethane	***< 2.0***	2.0	S-	µg/L	2	11/26/2015 3:54:00 AM
Chloroethane	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
Trichlorofluoromethane	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
1,1-Dichloroethene	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
Methylene chloride	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
trans-1,2-Dichloroethene	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
1,1-Dichloroethane	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
cis-1,2-Dichloroethene	***6.6***	2.0		µg/L	2	11/26/2015 3:54:00 AM
Chloroform	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
1,1,1-Trichloroethane	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
Carbon tetrachloride	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
1,2-Dichloroethane	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
Trichloroethene	***3.2***	2.0		µg/L	2	11/26/2015 3:54:00 AM
Bromodichloromethane	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
1,2-Dichloropropane	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
cis-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
trans-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
1,1,2-Trichloroethane	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
Tetrachloroethene	***170***	2.0		µg/L	2	11/26/2015 3:54:00 AM
Dibromochloromethane	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
Chlorobenzene	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
Bromoform	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
1,1,2,2-Tetrachloroethane	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
1,3-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
1,4-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
1,2-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	11/26/2015 3:54:00 AM
Surr: 4-Bromofluorobenzene	***80.5***	77.7-115		%REC	2	11/26/2015 3:54:00 AM

Adirondack Environmental Services, Inc

Date: *30-Nov-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	Effluent
Work Order:	151120067	**Collection Date:**	11/20/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	151120067-003
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
Chloromethane	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
Vinyl chloride	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
Bromomethane	***< 1.0***	1.0	S-M-	µg/L	1	11/26/2015 12:41:00 AM
Chloroethane	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
Trichlorofluoromethane	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
1,1-Dichloroethene	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
Methylene chloride	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
trans-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
1,1-Dichloroethane	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
cis-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
Chloroform	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
1,1,1-Trichloroethane	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
Carbon tetrachloride	***< 1.0***	1.0	M-	µg/L	1	11/26/2015 12:41:00 AM
1,2-Dichloroethane	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
Trichloroethene	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
Bromodichloromethane	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
1,2-Dichloropropane	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
cis-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
trans-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
1,1,2-Trichloroethane	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
Tetrachloroethene	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
Dibromochloromethane	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
Chlorobenzene	***< 1.0***	1.0	M-	µg/L	1	11/26/2015 12:41:00 AM
Bromoform	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
1,1,2,2-Tetrachloroethane	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
1,3-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
1,4-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
1,2-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	11/26/2015 12:41:00 AM
Surr: 4-Bromofluorobenzene	***83.0***	77.7-115		%REC	1	11/26/2015 12:41:00 AM

Adirondack Environmental Services, Inc

Date: *30-Nov-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	DUP
Work Order:	151120067	**Collection Date:**	11/20/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	151120067-004
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
Chloromethane	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
Vinyl chloride	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
Bromomethane	***< 1.0***	1.0	S-	µg/L	1	11/26/2015 3:30:00 AM
Chloroethane	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
Trichlorofluoromethane	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
1,1-Dichloroethene	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
Methylene chloride	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
trans-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
1,1-Dichloroethane	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
cis-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
Chloroform	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
1,1,1-Trichloroethane	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
Carbon tetrachloride	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
1,2-Dichloroethane	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
Trichloroethene	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
Bromodichloromethane	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
1,2-Dichloropropane	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
cis-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
trans-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
1,1,2-Trichloroethane	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
Tetrachloroethene	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
Dibromochloromethane	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
Chlorobenzene	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
Bromoform	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
1,1,2,2-Tetrachloroethane	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
1,3-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
1,4-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
1,2-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	11/26/2015 3:30:00 AM
Surr: 4-Bromofluorobenzene	***84.3***	77.7-115		%REC	1	11/26/2015 3:30:00 AM

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

AES Work Order # 15112006 7

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
Dec Central Remediation	625 Broadway Albany NY	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Carl Hoffman	Roxy Cleaners	Frank Zabel
Client Phone No:	**Client Email:**	**PO Number:**
518-402-9813		**Samplers: (Signature)** Frank Zabel

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	RW2	11/20/15	1:30	A P	H2O		X	2	Epa 601
002	RW3		1:32	A P			X	2	
003	Effluent		1:34	A P			X	2	
004	Dup		1:30	A P			X	2	
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					

Shipment Arrived Via:
FedEx UPS Client AES Other:_____

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

CC Report To / Special Instructions/Remarks:
JVondentz@EPAEST.com
ATalbot@Aztech Env.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Frank Zabel		
Relinquished by: (Signature)	**Received by: (Signature)**	**Date/Time**
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
	Cindy Signor	11/20/15 2:36pm

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y ☐ N ☐	Y N	Y N
Notes: 18°		Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

December 29, 2015

A. Talbot
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383
FAX: (518) 885-5385

Work Order No: 151218043

RE: DEC Monthly analysis
Roxy Cleaners

Dear A. Talbot:

Adirondack Environmental Services, Inc received 4 samples on 12/18/2015 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Christopher Hess
QA Manager

Adirondack Environmental Services, Inc CASE NARRATIVE

CLIENT:	Aztech Technologies	**Date:**	*29-Dec-15*
Project:	DEC Monthly analysis		
Lab Order:	151218043		

Sample containers were supplied by Adirondack Environmental Services.

		C - Details are above in Case Narrative
Qualifiers:	ND - Not Detected at reporting limit	S - LCS Spike recovery outside acceptable limits(+ is over - is under)
	J - Analyte detected below quantitation limit	R - Duplication outside acceptable limits
	B - Analyte detected in Blank	T - Tentatively Identified Compound-Estimated
	X - Exceeds maximum contamination limit	E -Above quantitation range-Estimated
	H - Hold time exceeded	M - Matrix Spike outside acceptable limits(+ is over - is under)

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *29-Dec-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW2
Work Order:	151218043	**Collection Date:**	12/18/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	151218043-001
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
Chloromethane	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
Vinyl chloride	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
Bromomethane	***< 5.0***	5.0	S-	µg/L	5	12/24/2015 3:30:00 AM
Chloroethane	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
Trichlorofluoromethane	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
1,1-Dichloroethene	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
Methylene chloride	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
trans-1,2-Dichloroethene	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
1,1-Dichloroethane	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
cis-1,2-Dichloroethene	***42***	5.0		µg/L	5	12/24/2015 3:30:00 AM
Chloroform	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
1,1,1-Trichloroethane	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
Carbon tetrachloride	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
1,2-Dichloroethane	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
Trichloroethene	***17***	5.0		µg/L	5	12/24/2015 3:30:00 AM
Bromodichloromethane	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
1,2-Dichloropropane	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
cis-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
trans-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
1,1,2-Trichloroethane	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
Tetrachloroethene	***460***	5.0		µg/L	5	12/24/2015 3:30:00 AM
Dibromochloromethane	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
Chlorobenzene	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
Bromoform	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
1,1,2,2-Tetrachloroethane	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
1,3-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
1,4-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
1,2-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	12/24/2015 3:30:00 AM
Surr: 4-Bromofluorobenzene	***104***	77.7-115		%REC	5	12/24/2015 3:30:00 AM

Adirondack Environmental Services, Inc

Date: *29-Dec-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW3
Work Order:	151218043	**Collection Date:**	12/18/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	151218043-002
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 2.0***	2.0	S-	µg/L	2	12/22/2015 1:18:00 AM
Chloromethane	***< 2.0***	2.0	S-	µg/L	2	12/22/2015 1:18:00 AM
Vinyl chloride	***< 2.0***	2.0	S-	µg/L	2	12/22/2015 1:18:00 AM
Bromomethane	***< 2.0***	2.0	S-	µg/L	2	12/22/2015 1:18:00 AM
Chloroethane	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
Trichlorofluoromethane	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
1,1-Dichloroethene	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
Methylene chloride	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
trans-1,2-Dichloroethene	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
1,1-Dichloroethane	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
cis-1,2-Dichloroethene	***4.2***	2.0		µg/L	2	12/22/2015 1:18:00 AM
Chloroform	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
1,1,1-Trichloroethane	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
Carbon tetrachloride	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
1,2-Dichloroethane	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
Trichloroethene	***3.4***	2.0		µg/L	2	12/22/2015 1:18:00 AM
Bromodichloromethane	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
1,2-Dichloropropane	***< 2.0***	2.0	S-	µg/L	2	12/22/2015 1:18:00 AM
cis-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
trans-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
1,1,2-Trichloroethane	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
Tetrachloroethene	***160***	2.0		µg/L	2	12/22/2015 1:18:00 AM
Dibromochloromethane	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
Chlorobenzene	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
Bromoform	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
1,1,2,2-Tetrachloroethane	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
1,3-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
1,4-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
1,2-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	12/22/2015 1:18:00 AM
Surr: 4-Bromofluorobenzene	***98.6***	77.7-115		%REC	2	12/22/2015 1:18:00 AM

Adirondack Environmental Services, Inc

Date: *29-Dec-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	Effluent
Work Order:	151218043	**Collection Date:**	12/18/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	151218043-003
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
Chloromethane	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
Vinyl chloride	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
Bromomethane	***< 1.0***	1.0	S-	µg/L	1	12/23/2015 11:54:00 PM
Chloroethane	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
Trichlorofluoromethane	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
1,1-Dichloroethene	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
Methylene chloride	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
trans-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
1,1-Dichloroethane	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
cis-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
Chloroform	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
1,1,1-Trichloroethane	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
Carbon tetrachloride	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
1,2-Dichloroethane	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
Trichloroethene	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
Bromodichloromethane	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
1,2-Dichloropropane	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
cis-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
trans-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
1,1,2-Trichloroethane	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
Tetrachloroethene	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
Dibromochloromethane	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
Chlorobenzene	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
Bromoform	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
1,1,2,2-Tetrachloroethane	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
1,3-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
1,4-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
1,2-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	12/23/2015 11:54:00 PM
Surr: 4-Bromofluorobenzene	***112***	77.7-115		%REC	1	12/23/2015 11:54:00 PM

Adirondack Environmental Services, Inc

Date: *29-Dec-15*

CLIENT:	Aztech Technologies	**Client Sample ID:**	DUP
Work Order:	151218043	**Collection Date:**	12/18/2015
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	151218043-004
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 5.0***	5.0	S-	µg/L	5	12/22/2015 2:06:00 AM
Chloromethane	***< 5.0***	5.0	S-	µg/L	5	12/22/2015 2:06:00 AM
Vinyl chloride	***< 5.0***	5.0	S-	µg/L	5	12/22/2015 2:06:00 AM
Bromomethane	***< 5.0***	5.0	S-	µg/L	5	12/22/2015 2:06:00 AM
Chloroethane	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
Trichlorofluoromethane	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
1,1-Dichloroethene	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
Methylene chloride	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
trans-1,2-Dichloroethene	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
1,1-Dichloroethane	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
cis-1,2-Dichloroethene	***26***	5.0		µg/L	5	12/22/2015 2:06:00 AM
Chloroform	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
1,1,1-Trichloroethane	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
Carbon tetrachloride	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
1,2-Dichloroethane	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
Trichloroethene	***15***	5.0		µg/L	5	12/22/2015 2:06:00 AM
Bromodichloromethane	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
1,2-Dichloropropane	***< 5.0***	5.0	S-	µg/L	5	12/22/2015 2:06:00 AM
cis-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
trans-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
1,1,2-Trichloroethane	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
Tetrachloroethene	***440***	5.0		µg/L	5	12/22/2015 2:06:00 AM
Dibromochloromethane	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
Chlorobenzene	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
Bromoform	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
1,1,2,2-Tetrachloroethane	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
1,3-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
1,4-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
1,2-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	12/22/2015 2:06:00 AM
Surr: 4-Bromofluorobenzene	***84.6***	77.7-115		%REC	5	12/22/2015 2:06:00 AM

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

AES Work Order # 15121804 3

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
Dec Central Remediation	625 Broadway Albany N.Y.	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Carl Hoffman	Roxy Cleaners	Frank Zabel
Client Phone No:	**Client Email:**	**PO Number:**
		Samplers: (Signature) Frank Zabel

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	RW2	12/18/15	1:30	A	H2O		X	2	Epa 601
002	RW3	12/18/15	1:32	A	H2O		X	2	Epa 601
003	Effluent	12/18/15	1:34	A	H2O		X	2	Epa 601
004	Dup	12/18/15	1:36	A	H2O		X	2	Epa 601
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					

Shipment Arrived Via:
FedEx UPS (Client) AES Other:_____

CC Report To / Special Instructions/Remarks:
JVonBodenstein@EAEST.com
MTalbot@Aztech Env.com

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Frank Zabel		
Relinquished by: (Signature)	**Received by: (Signature)**	**Date/Time**
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
		12/18/15 2:34 TC

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or (Chilled) 15°C	Y ☒ N ☐	(Y) N	(Y) N
Notes:		Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

Adirondack Environmental Services, Inc.

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314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

January 29, 2016

A. Talbot
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383
FAX: (518) 885-5385

Work Order No: 160122046

RE: DEC Monthly analysis
Roxy Cleaners

Dear A. Talbot:

Adirondack Environmental Services, Inc received 4 samples on 1/22/2016 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Tara Daniels

ELAP#: 10709

Tara Daniels
Laboratory Manager

Adirondack Environmental Services, Inc CASE NARRATIVE

CLIENT:	Aztech Technologies	**Date:**	*29-Jan-16*
Project:	DEC Monthly analysis		
Lab Order:	160122046		

Sample containers were supplied by Adirondack Environmental Services.

		C - Details are above in Case Narrative
Qualifiers:	ND - Not Detected at reporting limit	S - LCS Spike recovery outside acceptable limits(+ is over - is under)
	J - Analyte detected below quantitation limit	R - Duplication outside acceptable limits
	B - Analyte detected in Blank	T - Tentatively Identified Compound-Estimated
	X - Exceeds maximum contamination limit	E -Above quantitation range-Estimated
	H - Hold time exceeded	M - Matrix Spike outside acceptable limits(+ is over - is under)

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *29-Jan-16*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW2
Work Order:	160122046	**Collection Date:**	1/22/2016
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	160122046-001
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
Chloromethane	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
Vinyl chloride	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
Bromomethane	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
Chloroethane	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
Trichlorofluoromethane	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
1,1-Dichloroethene	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
Methylene chloride	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
trans-1,2-Dichloroethene	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
1,1-Dichloroethane	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
cis-1,2-Dichloroethene	***30***	5.0		µg/L	5	1/26/2016 6:13:00 PM
Chloroform	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
1,1,1-Trichloroethane	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
Carbon tetrachloride	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
1,2-Dichloroethane	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
Trichloroethene	***15***	5.0		µg/L	5	1/26/2016 6:13:00 PM
Bromodichloromethane	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
1,2-Dichloropropane	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
cis-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
trans-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
1,1,2-Trichloroethane	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
Tetrachloroethene	***420***	5.0		µg/L	5	1/26/2016 6:13:00 PM
Dibromochloromethane	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
Chlorobenzene	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
Bromoform	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
1,1,2,2-Tetrachloroethane	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
1,3-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
1,4-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
1,2-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	1/26/2016 6:13:00 PM
Surr: 4-Bromofluorobenzene	***109***	77.7-115		%REC	5	1/26/2016 6:13:00 PM

Adirondack Environmental Services, Inc

Date: *29-Jan-16*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW3
Work Order:	160122046	**Collection Date:**	1/22/2016
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	160122046-002
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
Chloromethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
Vinyl chloride	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
Bromomethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
Chloroethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
Trichlorofluoromethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
1,1-Dichloroethene	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
Methylene chloride	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
trans-1,2-Dichloroethene	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
1,1-Dichloroethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
cis-1,2-Dichloroethene	***6.4***	2.0		µg/L	2	1/26/2016 5:25:00 PM
Chloroform	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
1,1,1-Trichloroethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
Carbon tetrachloride	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
1,2-Dichloroethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
Trichloroethene	***3.5***	2.0		µg/L	2	1/26/2016 5:25:00 PM
Bromodichloromethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
1,2-Dichloropropane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
cis-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
trans-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
1,1,2-Trichloroethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
Tetrachloroethene	***190***	2.0		µg/L	2	1/26/2016 5:25:00 PM
Dibromochloromethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
Chlorobenzene	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
Bromoform	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
1,1,2,2-Tetrachloroethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
1,3-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
1,4-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
1,2-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	1/26/2016 5:25:00 PM
Surr: 4-Bromofluorobenzene	***109***	77.7-115		%REC	2	1/26/2016 5:25:00 PM

Adirondack Environmental Services, Inc

Date: *29-Jan-16*

CLIENT:	Aztech Technologies	**Client Sample ID:**	Effluent
Work Order:	160122046	**Collection Date:**	1/22/2016
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	160122046-003
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
Chloromethane	***< 1.0***	1.0	M-	µg/L	1	1/26/2016 2:53:00 PM
Vinyl chloride	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
Bromomethane	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
Chloroethane	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
Trichlorofluoromethane	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
1,1-Dichloroethene	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
Methylene chloride	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
trans-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
1,1-Dichloroethane	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
cis-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
Chloroform	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
1,1,1-Trichloroethane	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
Carbon tetrachloride	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
1,2-Dichloroethane	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
Trichloroethene	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
Bromodichloromethane	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
1,2-Dichloropropane	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
cis-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
trans-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
1,1,2-Trichloroethane	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
Tetrachloroethene	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
Dibromochloromethane	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
Chlorobenzene	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
Bromoform	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
1,1,2,2-Tetrachloroethane	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
1,3-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
1,4-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
1,2-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	1/26/2016 2:53:00 PM
Surr: 4-Bromofluorobenzene	***112***	77.7-115		%REC	1	1/26/2016 2:53:00 PM

Adirondack Environmental Services, Inc

Date: *29-Jan-16*

CLIENT:	Aztech Technologies	**Client Sample ID:**	DUP
Work Order:	160122046	**Collection Date:**	1/22/2016
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	160122046-004
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
Chloromethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
Vinyl chloride	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
Bromomethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
Chloroethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
Trichlorofluoromethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
1,1-Dichloroethene	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
Methylene chloride	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
trans-1,2-Dichloroethene	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
1,1-Dichloroethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
cis-1,2-Dichloroethene	***6.5***	2.0		µg/L	2	1/26/2016 5:49:00 PM
Chloroform	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
1,1,1-Trichloroethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
Carbon tetrachloride	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
1,2-Dichloroethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
Trichloroethene	***3.5***	2.0		µg/L	2	1/26/2016 5:49:00 PM
Bromodichloromethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
1,2-Dichloropropane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
cis-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
trans-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
1,1,2-Trichloroethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
Tetrachloroethene	***190***	2.0		µg/L	2	1/26/2016 5:49:00 PM
Dibromochloromethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
Chlorobenzene	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
Bromoform	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
1,1,2,2-Tetrachloroethane	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
1,3-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
1,4-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
1,2-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	1/26/2016 5:49:00 PM
Surr: 4-Bromofluorobenzene	***107***	77.7-115		%REC	2	1/26/2016 5:49:00 PM

Adirondack Environmental Services Inc.
314 North Pearl Street
Albany, New York 12207
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CHAIN OF CUSTODY RECORD

AES Work Order #: 16012206

Client Name: Dec Central Remediation	Address: 625 Broadway Albany N.Y.	
Send Report To: Carl Hoffman	Project Name (Location) Roxy Cleaners	Samplers: (Names) Frank Zabel
Client Phone No: 518-402-9813	Client Email:	PO Number:
		Samplers: (Signature) Frank Zabel

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	RW 2	1/22/16	1:00	A	H2O		X	2	Epa 601
002	RW 3	1/22/16	1:02	A	H2O		X	2	
003	Effluent	1/22/16	1:04	A	H2O		X	2	
004	Dup	1/22/16	1:06	A	H2O		X	2	
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
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				A/P					
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				A/P					
				A/P					
				A/P					

Shipment Arrived Via:
FedEx UPS Client AES Other:_____

CC Report To / Special Instructions/Remarks:
JVonudenitze@EAEST.com
ATalbot@AztechENV.com

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

Relinquished by: (Signature) Frank Zabel	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time 1/22/16 2:30 PM

Temperature	AES Bottles		Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y	N	Y N	Y N
Notes: 5	☒	☐	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

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TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

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(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

March 30, 2016

A. Talbot
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383
FAX: (518) 885-5385

Work Order No: 160318056

RE: DEC Monthly analysis
Roxy Cleaners

Dear A. Talbot:

Adirondack Environmental Services, Inc received 4 samples on 3/18/2016 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Manager

Adirondack Environmental Services, Inc CASE NARRATIVE

CLIENT:	Aztech Technologies	**Date:**	*30-Mar-16*
Project:	DEC Monthly analysis		
Lab Order:	160318056		

Sample containers were supplied by Adirondack Environmental Services.

These samples were received under ambient conditions. Chilling process was started following receipt at laboratory.

Qualifiers:

	C - Details are above in Case Narrative
ND - Not Detected at reporting limit	S - LCS Spike recovery outside acceptable limits(+ is over - is under)
J - Analyte detected below quantitation limit	R - Duplication outside acceptable limits
B - Analyte detected in Blank	T - Tentatively Identified Compound-Estimated
X - Exceeds maximum contamination limit	E -Above quantitation range-Estimated
H - Hold time exceeded	M - Matrix Spike outside acceptable limits(+ is over - is under)

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *30-Mar-16*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW2
Work Order:	160318056	**Collection Date:**	3/18/2016
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	160318056-001
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
Chloromethane	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
Vinyl chloride	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
Bromomethane	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
Chloroethane	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
Trichlorofluoromethane	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
1,1-Dichloroethene	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
Methylene chloride	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
trans-1,2-Dichloroethene	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
1,1-Dichloroethane	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
cis-1,2-Dichloroethene	***25***	5.0		µg/L	5	3/24/2016 6:00:00 PM
Chloroform	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
1,1,1-Trichloroethane	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
Carbon tetrachloride	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
1,2-Dichloroethane	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
Trichloroethene	***14***	5.0		µg/L	5	3/24/2016 6:00:00 PM
Bromodichloromethane	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
1,2-Dichloropropane	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
cis-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
trans-1,3-Dichloropropene	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
1,1,2-Trichloroethane	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
Tetrachloroethene	***420***	5.0		µg/L	5	3/24/2016 6:00:00 PM
Dibromochloromethane	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
Chlorobenzene	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
Bromoform	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
1,1,2,2-Tetrachloroethane	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
1,3-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
1,4-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
1,2-Dichlorobenzene	***< 5.0***	5.0		µg/L	5	3/24/2016 6:00:00 PM
Surr: 4-Bromofluorobenzene	***89.9***	78.4-123		%REC	5	3/24/2016 6:00:00 PM

Adirondack Environmental Services, Inc

Date: *30-Mar-16*

CLIENT:	Aztech Technologies	**Client Sample ID:**	RW3
Work Order:	160318056	**Collection Date:**	3/18/2016
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	160318056-002
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
Chloromethane	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
Vinyl chloride	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
Bromomethane	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
Chloroethane	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
Trichlorofluoromethane	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
1,1-Dichloroethene	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
Methylene chloride	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
trans-1,2-Dichloroethene	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
1,1-Dichloroethane	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
cis-1,2-Dichloroethene	***6.1***	2.0		µg/L	2	3/24/2016 5:11:00 PM
Chloroform	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
1,1,1-Trichloroethane	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
Carbon tetrachloride	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
1,2-Dichloroethane	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
Trichloroethene	***3.5***	2.0		µg/L	2	3/24/2016 5:11:00 PM
Bromodichloromethane	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
1,2-Dichloropropane	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
cis-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
trans-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
1,1,2-Trichloroethane	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
Tetrachloroethene	***210***	2.0		µg/L	2	3/24/2016 5:11:00 PM
Dibromochloromethane	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
Chlorobenzene	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
Bromoform	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
1,1,2,2-Tetrachloroethane	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
1,3-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
1,4-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
1,2-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	3/24/2016 5:11:00 PM
Surr: 4-Bromofluorobenzene	***88.6***	78.4-123		%REC	2	3/24/2016 5:11:00 PM

Adirondack Environmental Services, Inc

Date: *30-Mar-16*

CLIENT:	Aztech Technologies	**Client Sample ID:**	Effluent
Work Order:	160318056	**Collection Date:**	3/18/2016
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	160318056-003
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 1.0***	1.0	M-	µg/L	1	3/24/2016 12:50:00 PM
Chloromethane	***< 1.0***	1.0	M-	µg/L	1	3/24/2016 12:50:00 PM
Vinyl chloride	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
Bromomethane	***< 1.0***	1.0	M-	µg/L	1	3/24/2016 12:50:00 PM
Chloroethane	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
Trichlorofluoromethane	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
1,1-Dichloroethene	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
Methylene chloride	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
trans-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
1,1-Dichloroethane	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
cis-1,2-Dichloroethene	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
Chloroform	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
1,1,1-Trichloroethane	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
Carbon tetrachloride	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
1,2-Dichloroethane	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
Trichloroethene	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
Bromodichloromethane	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
1,2-Dichloropropane	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
cis-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
trans-1,3-Dichloropropene	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
1,1,2-Trichloroethane	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
Tetrachloroethene	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
Dibromochloromethane	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
Chlorobenzene	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
Bromoform	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
1,1,2,2-Tetrachloroethane	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
1,3-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
1,4-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
1,2-Dichlorobenzene	***< 1.0***	1.0		µg/L	1	3/24/2016 12:50:00 PM
Surr: 4-Bromofluorobenzene	***96.4***	78.4-123		%REC	1	3/24/2016 12:50:00 PM

Adirondack Environmental Services, Inc

Date: *30-Mar-16*

CLIENT:	Aztech Technologies	**Client Sample ID:**	DUP
Work Order:	160318056	**Collection Date:**	3/18/2016
Reference:	DEC Monthly analysis / Roxy Cleaners	**Lab Sample ID:**	160318056-004
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	***< 2.0***	2.0	S-	µg/L	2	3/25/2016 9:18:00 PM
Chloromethane	***< 2.0***	2.0	S-	µg/L	2	3/25/2016 9:18:00 PM
Vinyl chloride	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
Bromomethane	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
Chloroethane	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
Trichlorofluoromethane	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
1,1-Dichloroethene	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
Methylene chloride	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
trans-1,2-Dichloroethene	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
1,1-Dichloroethane	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
cis-1,2-Dichloroethene	***6.1***	2.0		µg/L	2	3/25/2016 9:18:00 PM
Chloroform	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
1,1,1-Trichloroethane	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
Carbon tetrachloride	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
1,2-Dichloroethane	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
Trichloroethene	***3.2***	2.0		µg/L	2	3/25/2016 9:18:00 PM
Bromodichloromethane	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
1,2-Dichloropropane	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
cis-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
trans-1,3-Dichloropropene	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
1,1,2-Trichloroethane	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
Tetrachloroethene	***210***	2.0		µg/L	2	3/25/2016 9:18:00 PM
Dibromochloromethane	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
Chlorobenzene	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
Bromoform	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
1,1,2,2-Tetrachloroethane	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
1,3-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
1,4-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
1,2-Dichlorobenzene	***< 2.0***	2.0		µg/L	2	3/25/2016 9:18:00 PM
Surr: 4-Bromofluorobenzene	***90.8***	78.4-123		%REC	2	3/25/2016 9:18:00 PM

Adirondack Environmental Services

314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

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A full service analytical research laboratory offering solutions to environmental concerns

CHAIN OF CUSTODY RECORD

AES Work Order # 160318056

Client Name:	Address:		
Dec Central Remediation	625 Broadway Albany N.Y.		
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**	
Carl Hoffman	Roxy Cleaners	Frank Zabel	
Client Phone No:	**Client Email:**	**PO Number:**	**Samplers: (Signature)**
518-402-9813			Frank Zabel

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	RW 2	3/18/16	1:45	A/P	H2O		X	2	Epa 601
002	RW 3	3/18/16	1:47	A/P	H2O		X	2	Epa 601
003	Effluent	3/18/16	1:49	A/P	H2O		X	2	Epa 601
004	Dup	3/18/16	1:51	A/P	H2O		X	2	Epa 601
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					

Shipment Arrived Via: 3/18/16
FedEx UPS Client AES Other:

CC Report To / Special Instructions/Remarks:
JVanvlederitze@EAEST.com
ATalbot@Aztech Env.com

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Frank Zabel		
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time
	Cassidy Spencer	3/18/16 2:36pm

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y / N	Y N	Y N
Notes: 1.7	Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

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(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

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(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

Appendix D
Groundwater Sampling Forms

EA Engineering PC and its Affliate,
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-1	A. Kohn / S. Soldner	NYSDEC
Location:	**Well Condition:**	**Weather:**
Roxy Cleaners	Flush mount interior - replace	Overcast / Snow / 40F
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
100-ft Solinst WLI	02.08.16	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
-0.6	1535	2

Purge Date:	Purge Time:
02.08.16	1538
Purge Method:	**Field Technician:**
Low Flow - Grundfos Pump	A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
25.4	0.163	-0.6
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
12.81	2.052	Grundfos
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):**	**Pump Designation:**
12.59	10.261	23'

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
1538	12.89	---	0.3	6.45	127	9.27	648	12.05	>800
1541	12.83	0.9	0.3	5.60	136	11.48	639	7.11	370
1544	12.83	1.8	0.3	5.53	127	11.98	640	6.62	257
1547	12.83	2.7	0.3	5.54	130	12.24	643	6.36	129
1550	12.84	3.6	0.3	5.15	157	12.34	648	6.20	67.7
1553	12.84	4.5	0.3	5.22	153	12.46	651	6.18	31.5
1556	12.84	5.4	0.3	5.30	155	12.47	659	6.07	12.4
1559	12.84	6.3	0.3	5.37	151	12.48	659	5.99	6.4
1602	12.84	7.2	0.3	5.41	149	12.56	658	5.95	3.5
1605	12.84	8.1	0.3	5.43	146	12.54	658	6.00	1.5
1608	12.84	9.0	0.3	5.43	148	12.55	659	5.98	0.0

Total Quantity of Water Removed (Liter):	9	**Sampling Time:**	1608
Samplers:	AK/SS	**Split Sample With:**	N/A
Sampling Date:	02.08.16	**Sample Type:**	Grab VOC

COMMENTS AND OBSERVATIONS:

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EA Science and Technology

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GROUNDWATER SAMPLING
PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-1B	A. Kohn / S. Soldner	NYSDEC
Location:	**Well Condition:**	**Weather:**
Roxy Cleaners	good	Snow / 30F
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
100-ft Solinst WLI	02.08.16	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
2	1530	4

Purge Date:	Purge Time:
02.08.16	1540
Purge Method:	**Field Technician:**
Low Flow - Grundfos Pump	A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
54.86	0.163	+2'
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
13.02	6.81992	Grundfos
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):**	**Pump Designation:**
41.84	34.0996	52'

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
1543	13.45	---	0.3	7.80	-171	8.62	453	1.27	>800
1546	13.55	0.9	0.3	7.83	-214	9.74	440	0.87	>800
1549	13.85	1.8	0.3	7.87	-211	9.83	437	0.76	>800
1552	14.06	2.7	0.3	7.87	-203	10.33	428	0.63	668
1555	14.16	3.6	0.3	7.87	-199	10.28	426	0.64	320
1558	14.22	4.5	0.3	7.87	-195	10.17	426	0.63	233
1601	14.30	5.4	0.3	7.87	-190	10.18	424	0.61	174
1604	14.33	6.3	0.3	7.87	-187	10.11	425	0.59	161
1607	14.45	7.2	0.3	7.86	-185	10.30	426	0.62	166
1610	14.61	8.1	0.3	7.85	-182	10.56	427	0.67	151
1613	14.90	9.0	0.3	7.85	-175	10.52	429	0.61	143
1616	15.00	9.9	0.3	7.85	-170	10.22	429	0.60	134
1619	15.01	10.8	0.3	7.70	-98	10.44	428	0.76	126
1622	15.02	11.7	0.3	7.69	-100	10.41	428	0.75	127
1625	15.03	12.6	0.3	7.70	-111	10.48	427	0.67	127
1628	15.03	13.5	0.3	7.71	-111	10.35	425	0.68	142
1631	15.04	14.4	0.3	7.75	-134	10.37	426	0.61	134
1634	15.04	15.3	0.3	7.76	-143	10.45	425	0.60	135
1637	15.05	16.2	0.3	7.77	-101	9.90	429	0.91	104
1640	15.05	17.1	0.3	7.75	-127	10.55	424	0.82	105
1643	15.06	18.0	0.3	7.77	-141	10.58	424	0.67	99.6

1646	15.08	18.9	0.3	7.79	-148	10.59	421	0.68	103
1649	15.10	19.8	0.3	7.80	-153	10.62	421	0.55	109
1652	15.11	20.7	0.3	7.80	-156	10.47	422	0.51	112
1655	15.15	21.6	0.3	7.81	-158	10.72	423	0.50	118

Total Quantity of Water Removed (Liter): 21.6
Sampling Time: 1658
Samplers: AK/SS
Split Sample With: N/A
Sampling Date: 02.08.16
Sample Type: Grab VOC

COMMENTS AND OBSERVATIONS:

Cleaned Horiba at 1618, 1635

Rust in water from metal casing, would not purge clear

EA Engineering PC and its Affliate,
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GROUNDWATER SAMPLING
PURGE FORM

Well I.D.: MW-2	**EA Personnel:** A. Kohn / S. Soldner	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good; rusty lid	**Weather:** Overcast / snow / 30F
Sounding Method: 100-ft Solinst WLI	**Gauge Date:** 02.10.16	**Measurement Ref:** TOC
Stick Up/Down (ft): 2	**Gauge Time:** 0850	**Well Diameter (in):** 2

Purge Date: 02.10.16	**Purge Time:** 0901
Purge Method: Low Flow - Grundfos Pump	**Field Technician:** A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft): 38.5	**D. Well Volume (ft):** 0.163	**Depth/Height of Top of PVC:** +2'
B. Depth to Water (ft): 13.26	**E. Well Volume (gal) C*D):** 4.11412	**Pump Type:** Grundfos
C. Liquid Depth (ft) (A-B): 25.24	**F. Five Well Volumes (gal) (E3):** 20.5706	**Pump Designation:** 36'

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
0901	13.33	---	0.3	6.41	128	10.38	580	13.21	80.2
0904	13.33	0.9	0.3	6.37	122	10.64	582	5.27	61.8
0907	13.33	1.8	0.3	6.50	108	10.76	578	4.16	52.7
0910	13.33	2.7	0.3	6.53	100	11.06	572	4.01	41.1
0913	13.33	3.6	0.3	6.52	96	11.28	572	2.82	22.1
0916	13.33	4.5	0.3	6.49	93	11.41	586	1.46	14.1
0919	13.33	5.4	0.3	6.42	87	11.68	618	1.16	0.8
0922	13.33	6.3	0.3	6.44	87	11.71	624	1.17	0.1
0925	13.33	7.2	0.3	6.43	86	11.71	626	1.18	0

Total Quantity of Water Removed (Liter): 7.2
Samplers: AK/SS
Sampling Date: 02.10.16
Sampling Time: 0925
Split Sample With: MS/MSD
Sample Type: Grab VOC

COMMENTS AND OBSERVATIONS:
**MS/MSD collected here

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-2B	A. Kohn / S. Soldner	NYSDEC
Location:	**Well Condition:**	**Weather:**
Roxy Cleaners	Good	Overcast / snow / 30F
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
100-ft Solinst WLI	02.10.16	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
2	0850	4

Purge Date:	Purge Time:
02.10.16	0855
Purge Method:	**Field Technician:**
Low Flow - Grundfos Pump	A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
65.3	0.163	+2'
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
12.91	8.53957	Grundfos
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):**	**Pump Designation:**
52.39	42.69785	63'

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
0858	14.19	---	0.3	7.70	-117	10.07	625	2.24	>800
0901	14.25	0.9	0.3	7.71	-124	10.09	625	1.70	246
0904	14.30	1.8	0.3	7.74	-133	9.92	625	1.22	232
0907	14.41	2.7	0.3	7.77	-156	9.95	624	0.94	240
0910	14.50	3.6	0.3	7.78	-162	10.02	623	0.89	101
0913	14.60	4.5	0.3	7.79	-168	10.06	622	0.82	48.5
0916	14.65	5.4	0.3	7.80	-168	10.12	621	0.77	39.4
0919	14.65	6.3	0.3	7.80	-168	10.09	622	0.79	37.4
0922	14.67	7.2	0.3	7.80	-168	10.00	623	0.73	36.1
0925	14.68	8.1	0.3	7.81	-169	9.97	622	0.71	35.7

Total Quantity of Water Removed (Liter):	9.0	Sampling Time:	0925
Samplers:	AK/SS	Split Sample With:	DUP-1
Sampling Date:	02.10.16	Sample Type:	Grab VOC

COMMENTS AND OBSERVATIONS:

**Collected FD-021016-1 here

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GROUNDWATER SAMPLING
PURGE FORM

Well I.D.: MW-3	**EA Personnel:** A. Kohn / S. Soldner	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** Overcast / snow / 30F
Sounding Method: 100-ft Solinst WLI	**Gauge Date:** 02.09.16	**Measurement Ref:** TOC
Stick Up/Down (ft): 2	**Gauge Time:** 0915	**Well Diameter (in):** 4

Purge Date: 02.09.16	**Purge Time:** 0921
Purge Method: Low Flow - Grundfos Pump	**Field Technician:** A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft): 30.95	**D. Well Volume (ft):** 0.163	**Depth/Height of Top of PVC:** +2.5'
B. Depth to Water (ft): 8.37	**E. Well Volume (gal) C*D):** 3.68054	**Pump Type:** Grundfos
C. Liquid Depth (ft) (A-B): 22.58	**F. Five Well Volumes (gal) (E3):** 18.4027	**Pump Designation:** 28'

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
0921	8.41	---	0.3	6.55	54	10.18	711	6.10	488
0924	8.45	0.9	0.3	6.58	37	10.69	716	3.75	243
0927	8.45	1.8	0.3	6.64	35	11.27	723	2.98	55.5
0930	8.46	2.7	0.3	6.68	37	11.36	724	2.81	22.4
0933	8.46	3.6	0.3	6.70	38	11.41	725	2.81	19.9
0936	8.46	4.5	0.3	6.71	38	11.44	725	2.71	9.7
0939	8.46	5.4	0.3	6.74	36	11.47	726	2.68	6.3
0942	8.46	6.3	0.3	6.74	35	11.47	725	2.60	2.2
0945	8.46	7.2	0.3	6.75	36	11.46	725	2.55	2.1

Total Quantity of Water Removed (Liter):	7.2	**Sampling Time:**	0945
Samplers:	AK/SS	**Split Sample With:**	N/A
Sampling Date:	02.09.16	**Sample Type:**	Grab VOC

COMMENTS AND OBSERVATIONS:

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GROUNDWATER SAMPLING
PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-3B	A. Kohn / S. Soldner	NYSDEC
Location:	**Well Condition:**	**Weather:**
Roxy Cleaners	Good	Overcast / Light snow / 30F
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
100-ft Solinst WLI	02.09.16	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
2	0912	4

Purge Date:	Purge Time:
02.09.16	0918
Purge Method:	**Field Technician:**
Low Flow - Grundfos Pump	A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
58.76	0.163	+2'
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
7.03	8.43199	Grundfos
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):**	**Pump Designation:**
51.73	42.15995	56'

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
0921	7.08	0.9	0.3	8.27	-99	8.06	1840	2.71	37.3
0924	7.08	1.8	0.3	7.32	-130	8.62	1950	1.19	40.5
0927	7.07	2.7	0.3	7.48	-148	8.96	1960	0.94	47.6
0930	7.07	3.6	0.3	7.55	-156	9.04	1950	0.86	46.3
0933	7.07	4.5	0.3	7.59	-161	9.13	1950	0.82	48.8
0936	7.07	5.4	0.3	7.61	-164	9.37	1940	0.78	48.6
0939	7.07	6.3	0.3	7.63	-164	9.31	1950	0.73	47.2
0942	7.07	7.2	0.3	7.64	-166	9.44	1940	0.72	46.1

Total Quantity of Water Removed (Liter):	7.2	**Sampling Time:**	0943
Samplers:	AK/SS	**Split Sample With:**	N/A
Sampling Date:	02.09.16	**Sample Type:**	Grab VOC

COMMENTS AND OBSERVATIONS:

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-4	A. Kohn / S. Soldner	NYSDEC
Location:	**Well Condition:**	**Weather:**
Roxy Cleaners	Good; stiff, rusty lid	Overcast / snow / 30F
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
100-ft Solinst WLI	02.09.16	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
2	1010	2

Purge Date:	Purge Time:
02.09.16	1013
Purge Method:	**Field Technician:**
Low Flow - Grundfos Pump	A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
48.08	0.163	+2.5'
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
7.42	6.62758	Grundfos
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):**	**Pump Designation:**
40.66	33.1379	45'

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
1013	7.46	---	0.3	6.79	-30	9.24	749	5.51	>800
1016	7.47	0.9	0.3	6.79	-53	9.32	744	2.66	505
1019	7.47	1.8	0.3	6.79	-58	9.69	744	1.27	255
1022	7.48	2.7	0.3	6.80	-60	9.89	744	1.12	120
1025	7.48	3.6	0.3	6.80	-62	9.95	744	1.07	101
1028	7.48	4.5	0.3	6.81	-63	10.06	744	0.98	49.1
1031	7.48	5.4	0.3	6.82	-65	10.17	744	0.91	13.3
1034	7.48	6.3	0.3	6.83	-66	10.24	744	0.88	5.3
1037	7.48	7.2	0.3	6.84	-67	10.25	744	0.84	2.4
1040	7.48	8.1	0.3	6.84	-67	10.30	743	0.83	0.0

Total Quantity of Water Removed (Liter):	8.1	**Sampling Time:**	1040
Samplers:	AK/SS	**Split Sample With:**	N/A
Sampling Date:	02.09.16	**Sample Type:**	Grab VOC

COMMENTS AND OBSERVATIONS:

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GROUNDWATER SAMPLING
PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-4B	A. Kohn / S. Soldner	NYSDEC
Location:	**Well Condition:**	**Weather:**
Roxy Cleaners	Good	Overcast / snow / 30F
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
100-ft Solinst WLI	02.09.16	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
2	1005	4

Purge Date:	Purge Time:
02.09.16	1015
Purge Method:	**Field Technician:**
Low Flow - Grundfos Pump	A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
80.81	0.163	2
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
7.3	11.98213	Grundfos
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):**	**Pump Designation:**
73.51	59.91065	78

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
1018	7.63	0.9	0.3	8.63	-56	7.82	443	3.16	418
1021	7.75	1.8	0.3	8.11	-95	7.77	514	1.13	386
1024	7.87	2.7	0.3	7.70	-117	7.74	518	0.93	313
1027	7.97	3.6	0.3	7.85	-132	7.80	514	0.76	207
1030	7.98	4.5	0.3	7.84	-133	7.85	513	0.73	186
1033	8.00	5.4	0.3	7.83	-134	7.92	513	0.71	151
1036	8.02	6.3	0.3	7.82	-134	7.82	515	0.75	129
1039	8.04	7.2	0.3	7.81	-135	7.81	515	0.72	116
1042	8.06	8.1	0.3	7.80	-136	7.79	515	0.71	108
1045	8.09	9.0	0.3	7.77	-132	8.22	516	0.73	102
1048	8.12	9.9	0.3	7.76	-130	8.37	516	0.75	96.2
1051	8.18	10.8	0.3	7.76	-127	8.25	515	0.71	80.1
1054	8.25	11.7	0.3	7.76	-128	8.40	515	0.68	78.8
1057	8.29	12.6	0.3	7.77	-129	8.34	515	0.67	68.9
1100	8.28	13.5	0.3	7.77	-128	8.33	514	0.67	63.2
1103	8.29	14.4	0.3	7.78	-128	8.15	514	0.66	59.4
1106	8.30	15.3	0.3	7.80	-129	8.36	513	0.65	55.8
1109	8.31	16.2	0.3	7.81	-125	8.36	512	0.64	52.3
1112	8.32	17.1	0.3	7.81	-124	8.30	513	0.66	50.6
1115	8.32	18.0	0.3	7.82	-125	8.49	513	0.65	49.8
1118	8.33	18.9	0.3	7.83	-126	8.49	513	0.64	48.3

1121	8.34	19.8	0.3	7.83	-127	8.46	514	0.63	47.6

Total Quantity of Water Removed (Liter):	19.8	**Sampling Time:**	1122
Samplers:	AK/SS	**Split Sample With:**	N/A
Sampling Date:	02.09.16	**Sample Type:**	Grab VOC

COMMENTS AND OBSERVATIONS:

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-101	**EA Personnel:** A. Kohn / S. Soldner	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** good	**Weather:**
Sounding Method: 100-ft Solinst WLI	**Gauge Date:** N/A	**Measurement Ref:** TOC
Stick Up/Down (ft): Down	**Gauge Time:** N/A	**Well Diameter (in):** 2

Purge Date: N/A	**Purge Time:** N/A
Purge Method: Low Flow - Grundfos Pump	**Field Technician:** A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft): N/A	**D. Well Volume (ft):** 0.163	**Depth/Height of Top of PVC:** Flush
B. Depth to Water (ft): N/A	**E. Well Volume (gal) C*D):** ---	**Pump Type:** Grundfos
C. Liquid Depth (ft) (A-B): ---	**F. Five Well Volumes (gal) (E3):** ---	**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)

Well not located, could not sample

Total Quantity of Water Removed (Liter):	N/A	**Sampling Time:**	N/A
Samplers:	AK/SS	**Split Sample With:**	N/A
Sampling Date:	N/A	**Sample Type:**	Grab VOC

COMMENTS AND OBSERVATIONS:

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GROUNDWATER SAMPLING
PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-102A	A. Kohn / S. Soldner	NYSDEC
Location:	**Well Condition:**	**Weather:**
Roxy Cleaners	Good; no screws on well head	Overcast / 40F
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
100-ft Solinst WLI	02.10.16	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
2	1130	4

Purge Date:	Purge Time:
02.10.16	1137
Purge Method:	**Field Technician:**
Low Flow - Grundfos Pump	A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
13.25	0.163	-0.1
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
10.91	0.38142	Grundfos
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):**	**Pump Designation:**
2.34	1.9071	12'

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
1137	10.95	---	0.3	6.12	136	8.70	667	8.79	>800
1140	10.95	0.9	0.3	5.95	133	9.48	668	7.17	517
1143	10.95	1.8	0.3	6.00	111	10.20	670	6.53	215
1146	10.95	2.7	0.3	6.00	103	11.14	672	6.06	54.5
1149	10.95	3.6	0.3	6.00	103	11.63	678	5.89	16.3
1152	10.95	4.5	0.3	5.99	104	11.83	678	5.80	10.4
1155	10.95	5.4	0.3	5.99	104	11.87	678	5.83	9.4
1158	10.95	6.3	0.3	5.99	106	11.88	678	5.86	9.4

Total Quantity of Water Removed (Liter):	6.3	**Sampling Time:**	1158
Samplers:	AK/SS	**Split Sample With:**	N/A
Sampling Date:	02.10.16	**Sample Type:**	Grab VOC

COMMENTS AND OBSERVATIONS:

EA Engineering PC and its Affliate,
EA Science and Technology

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-103A	**EA Personnel:** A. Kohn / S. Soldner	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** good	**Weather:**
Sounding Method: 100-ft Solinst WLI	**Gauge Date:** N/A	**Measurement Ref:** TOC
Stick Up/Down (ft): Down	**Gauge Time:** N/A	**Well Diameter (in):** 2

Purge Date: N/A	**Purge Time:** N/A
Purge Method: Low Flow - Grundfos Pump	**Field Technician:** A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft): N/A	**D. Well Volume (ft):** 0.163	**Depth/Height of Top of PVC:** Flush
B. Depth to Water (ft): N/A	**E. Well Volume (gal) C*D):** ---	**Pump Type:** Grundfos
C. Liquid Depth (ft) (A-B): ---	**F. Five Well Volumes (gal) (E3):** ---	**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)

Well not located, could not sample

Total Quantity of Water Removed (Liter):	N/A	**Sampling Time:**	N/A
Samplers:	AK/SS	**Split Sample With:**	N/A
Sampling Date:	N/A	**Sample Type:**	Grab VOC

COMMENTS AND OBSERVATIONS:

EA Engineering PC and its Affliate,
EA Science and Technology

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GROUNDWATER SAMPLING
PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-104	A. Kohn / S. Soldner	NYSDEC
Location:	**Well Condition:**	**Weather:**
Roxy Cleaners	Good	Overcast / 30F
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
100-ft Solinst WLI	02.09.16	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
+1.5	1215	4

Purge Date:	Purge Time:
02.09.16	1230
Purge Method:	**Field Technician:**
Low Flow - Grundfos Pump	A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
48.99	0.163	+1.5
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
23.66	4.12879	Grundfos
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):**	**Pump Designation:**
25.33	20.64395	46

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
1233	23.84	0.9	0.3	7.93	51	8.09	550	1.95	40.6
1236	24.10	1.8	0.3	7.79	22	8.55	554	1.15	29.1
1239	24.31	2.7	0.3	7.75	7	8.53	557	1.00	23.9
1242	24.41	3.6	0.3	7.73	-2	8.60	558	0.98	21.1
1245	24.57	4.5	0.3	7.70	-8	8.75	557	0.95	19.1
1248	24.88	5.4	0.3	7.69	-16	9.23	555	0.74	17.3
1251	25.06	6.3	0.3	7.70	-20	9.46	556	0.69	16.7
1254	25.25	7.2	0.3	7.70	-24	9.32	557	0.68	15.4
1257	25.52	8.1	0.3	7.70	-26	9.98	559	0.67	14.5
1300	25.71	9.0	0.3	7.70	-29	10.07	557	0.66	14.4

Total Quantity of Water Removed (Liter):	10.8	Sampling Time:	1300
Samplers:	AK/SS	Split Sample With:	N/A
Sampling Date:	02.09.16	Sample Type:	Grab VOC

COMMENTS AND OBSERVATIONS:

EA Engineering PC and its Affliate,
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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-104A	**EA Personnel:** A. Kohn / S. Soldner	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** good	**Weather:**
Sounding Method: 100-ft Solinst WLI	**Gauge Date:** 9-Feb-16	**Measurement Ref:** TOC
Stick Up/Down (ft): 2	**Gauge Time:** 1230	**Well Diameter (in):**

Purge Date: 02.09.16	**Purge Time:** N/A
Purge Method: N/A	**Field Technician:** A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft):	**D. Well Volume (ft):** 0.163	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): Dry	**E. Well Volume (gal) C*D):** #VALUE!	**Pump Type:** Grundfos
C. Liquid Depth (ft) (A-B): #VALUE!	**F. Five Well Volumes (gal) (E3):** #VALUE!	**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)

Well dry, could not purge/sample

Total Quantity of Water Removed (Liter):	N/A	**Sampling Time:**	N/A
Samplers:	AK/SS	**Split Sample With:**	N/A
Sampling Date:	N/A	**Sample Type:**	N/A

COMMENTS AND OBSERVATIONS:

EA Engineering PC and its Affliate,
EA Science and Technology

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GROUNDWATER SAMPLING
PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-105A	A. Kohn / S. Soldner	NYSDEC
Location:	**Well Condition:**	**Weather:**
Roxy Cleaners	Good	Overcast / light snow / 30F
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
100-ft Solinst WLI	02.09.16	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
2	1558	4

Purge Date:	Purge Time:
02.09.16	1602
Purge Method:	**Field Technician:**
Low Flow - Grundfos Pump	A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
47.31	0.163	2
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
5.6	6.79873	Grundfos
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):**	**Pump Designation:**
41.71	33.99365	45

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
1605	5.63	0.9	0.3	7.68	-64	9.24	338	1.45	>800
1608	5.66	1.8	0.3	7.49	-86	9.73	362	0.88	>800
1611	5.66	2.7	0.3	7.43	-83	10.26	373	0.78	>800
1614	5.66	3.6	0.3	7.40	-83	10.49	382	0.72	>800
1617	5.66	4.5	0.3	7.37	-83	10.75	391	0.64	>800
1620	5.66	5.4	0.3	7.36	-83	10.82	394	0.68	>800
1623	5.66	6.3	0.3	7.36	-83	10.88	395	0.64	>800
1626	5.66	7.2	0.3	7.35	-83	10.93	399	0.60	>800
1629	5.66	8.1	0.3	7.35	-81	10.93	399	0.58	>800
1632	5.66	9	0.3	7.37	-74	10.47	407	0.76	>800
1635	5.66	9.9	0.3	7.37	-74	10.68	412	0.64	>800
1638	5.66	10.8	0.3	7.34	-73	10.75	412	0.64	>800
1641	5.66	11.7	0.3	7.33	-74	10.92	415	0.66	676
1644	5.66	12.6	0.3	7.33	-75	10.97	418	0.61	557
1647	5.66	13.5	0.3	7.33	-77	11.11	417	0.61	401
1650	5.66	14.4	0.3	7.33	-79	11.14	420	0.60	276
1653	5.66	15.3	0.3	7.32	-82	11.16	423	0.58	194
1656	5.66	16.2	0.3	7.33	-84	11.20	427	0.59	138
1659	5.66	17.1	0.3	7.32	-83	10.90	431	0.62	112
1702	5.66	18	0.3	7.32	-84	10.95	432	0.58	80.2
1705	5.66	18.9	0.3	7.33	-86	10.96	437	0.52	72.7

1708	5.66	19.8	0.3	7.32	-86	11.02	439	0.56	72.2
1711	5.66	20.7	0.3	7.33	-88	11.13	443	0.56	61.3
1714	5.66	21.6	0.3	7.33	-88	11.15	444	0.57	49.8
1717	5.66	22.5	0.3	7.33	-88	11.15	445	0.58	47.2
1720	5.66	23.4	0.3	7.33	-88	11.14	445	0.56	46.5

Total Quantity of Water Removed (Liter): 23.4
Samplers: AK/SS
Sampling Date: 02.09.16
Sampling Time: 1720
Split Sample With: N/A
Sample Type: Grab VOC

COMMENTS AND OBSERVATIONS:

Cleaned Horiba at 1630

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GROUNDWATER SAMPLING
PURGE FORM

Well I.D.: MW-105	**EA Personnel:** A. Kohn / S. Soldner	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** Overcast / 35F
Sounding Method: 100-ft Solinst WLI	**Gauge Date:** 02.09.16	**Measurement Ref:** TOC
Stick Up/Down (ft): -0.1	**Gauge Time:** 1600	**Well Diameter (in):** 4

Purge Date: 02.09.16	**Purge Time:** 1603
Purge Method: Low Flow - Grundfos Pump	**Field Technician:** A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft): 76.9	**D. Well Volume (ft):** 0.163	**Depth/Height of Top of PVC:** -0.1
B. Depth to Water (ft): 5.36	**E. Well Volume (gal) C*D):** 11.66102	**Pump Type:** Grundfos
C. Liquid Depth (ft) (A-B): 71.54	**F. Five Well Volumes (gal) (E3):** 58.3051	**Pump Designation:** 74'

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
1603	5.61	---	0.3	7.67	-1	8.79	636	7.87	49.0
1606	5.61	0.9	0.3	7.61	-35	9.23	642	6.19	11.1
1609	5.61	1.8	0.3	7.50	-64	9.42	648	3.77	0.0
1612	5.61	2.7	0.3	7.47	-65	9.39	647	3.21	0.0
1615	5.61	3.6	0.3	7.46	-69	9.32	630	3.16	0.5
1618	5.61	4.5	0.3	7.42	-71	9.40	629	3.11	0.6
1621	5.61	5.4	0.3	7.41	-71	9.44	631	3.13	0.0

Total Quantity of Water Removed (Liter):	5.4	**Sampling Time:**	1624
Samplers:	AK/SS	**Split Sample With:**	N/A
Sampling Date:	02.09.16	**Sample Type:**	Grab VOC

COMMENTS AND OBSERVATIONS:

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-106	A. Kohn / S. Soldner	NYSDEC
Location:	**Well Condition:**	**Weather:**
Roxy Cleaners	Poor; PVC casing broken	Overcast / some snow / 40F
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
100-ft Solinst WLI	02.09.16	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
+1.5	1322	4

Purge Date:	Purge Time:
02.09.16	1325
Purge Method:	**Field Technician:**
Low Flow - Grundfos Pump	A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
53.61	0.163	+1.5'
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
11.5	6.86393	Grundfos
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):**	**Pump Designation:**
42.11	34.31965	50

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
1331	11.41	---	0.3	7.17	-45	9.95	589	6.00	12.4
1334	11.52	0.9	0.3	7.78	-107	9.70	590	3.24	4.8
1337	11.52	1.8	0.3	8.00	-135	9.49	589	2.25	8.0
1340	11.52	2.7	0.3	8.11	-158	9.32	589	1.61	5.8
1343	11.52	3.6	0.3	8.23	-176	8.96	596	1.27	0.0
1346	11.52	4.5	0.3	8.23	-178	8.91	593	1.22	0.0
1349	11.52	6.0	0.3	8.25	-174	8.96	595	1.20	0.0

Total Quantity of Water Removed (Liter):	6.0	**Sampling Time:**	1350
Samplers:	AK/SS	**Split Sample With:**	N/A
Sampling Date:	02.09.16	**Sample Type:**	Grab VOC

COMMENTS AND OBSERVATIONS:

PVC broken; took DTW/DOW from top of steel casing. No J-Plug.

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GROUNDWATER SAMPLING
PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-106A	A. Kohn / S. Soldner	NYSDEC
Location:	**Well Condition:**	**Weather:**
Roxy Cleaners	good	Cloudy / 30F
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
100-ft Solinst WLI	02.09.16	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
2	1320	2

Purge Date:	Purge Time:
02.09.16	1327
Purge Method:	**Field Technician:**
Low Flow - Grundfos Pump	A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
28.1	0.163	+2'
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
10.9	2.8036	Grundfos
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):**	**Pump Designation:**
17.2	14.018	26

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
1330	11.16	0.9	0.3	7.73	67	8.40	575	2.09	660
1333	11.16	1.8	0.3	7.62	48	9.77	569	1.43	690
1336	11.18	2.7	0.3	7.59	33	10.31	565	1.36	562
1339	11.19	3.6	0.3	7.56	27	10.87	560	1.27	347
1342	11.19	4.5	0.3	7.56	25	11.05	559	1.24	154
1345	11.19	5.4	0.3	7.56	25	11.12	558	1.21	104
1348	11.20	6.3	0.3	7.55	26	11.03	556	1.25	82.7
1351	11.20	7.2	0.3	7.55	27	11.09	555	1.25	49.8
1354	11.20	8.1	0.3	7.54	28	11.12	555	1.23	36.9
1357	11.21	9.0	0.3	7.53	29	11.15	554	1.19	24.7
1400	11.21	9.9	0.3	7.52	30	11.28	553	1.20	23.2
1403	11.21	10.8	0.3	7.52	30	11.30	553	1.18	22.8

Total Quantity of Water Removed (Liter):	10.8	**Sampling Time:**	1403
Samplers:	AK/SS	**Split Sample With:**	N/A
Sampling Date:	02.09.16	**Sample Type:**	Grab VOC

COMMENTS AND OBSERVATIONS:

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-107A	A. Kohn / S. Soldner	NYSDEC
Location:	**Well Condition:**	**Weather:**
Roxy Cleaners	Good; PVC cap broken	Overcast / snow / 30F
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
100-ft Solinst WLI	02.10.16	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
-0.1	0940	4

Purge Date:	Purge Time:
02.10.16	1000
Purge Method:	**Field Technician:**
Low Flow - Grundfos Pump	A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
29.65	0.163	-0.1
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
9.49	3.28608	Grundfos
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):**	**Pump Designation:**
20.16	16.4304	28

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
1003	N/A	0.9	0.3	9.34	10	9.12	822	4.33	27.8
1006	N/A	1.8	0.3	9.64	-2	10.84	811	3.71	16.1
1009	N/A	2.7	0.3	9.74	-7	11.01	811	3.55	13.1
1012	N/A	3.6	0.3	9.79	-7	10.91	812	3.45	11.2
1015	N/A	4.5	0.3	9.81	-7	10.95	812	3.34	10.3
1018	N/A	5.4	0.3	9.84	-6	10.73	812	3.34	13.3
1021	N/A	6.3	0.3	9.86	-5	10.75	808	3.31	12.1
1024	N/A	7.2	0.3	9.87	-4	10.81	808	3.27	13.2

Total Quantity of Water Removed (Liter):	7.2	Sampling Time:	1025
Samplers:	AK/SS	Split Sample With:	N/A
Sampling Date:	02.10.16	Sample Type:	Grab VOC

COMMENTS AND OBSERVATIONS:

Water level meter not working

PVC cap broken

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GROUNDWATER SAMPLING
PURGE FORM

Well I.D.: MW-108	**EA Personnel:** A. Kohn / S. Soldner	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** Overcast / 30F
Sounding Method: 100-ft Solinst WLI	**Gauge Date:** 02.09.16	**Measurement Ref:** TOC
Stick Up/Down (ft): +0.5	**Gauge Time:** 0820	**Well Diameter (in):** 4

Purge Date: 02.09.16	**Purge Time:** 0825
Purge Method: Low Flow - Grundfos Pump	**Field Technician:** A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft): 42.86	**D. Well Volume (ft):** 0.163	**Depth/Height of Top of PVC:** +0.5
B. Depth to Water (ft): 6.89	**E. Well Volume (gal) C*D):** 5.86311	**Pump Type:** Grundfos
C. Liquid Depth (ft) (A-B): 35.97	**F. Five Well Volumes (gal) (E3):** 29.31555	**Pump Designation:** 40

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
0828	7.10	0.9	0.3	7.34	101	10.07	549	2.60	16.1
0831	7.11	1.8	0.3	7.22	87	10.07	549	2.01	13.9
0834	7.13	2.7	0.3	7.13	72	10.36	550	1.99	13.6
0837	7.15	3.6	0.3	7.08	63	10.50	550	1.97	14.1
0840	7.15	4.5	0.3	7.04	59	10.64	551	2.21	14.1
0843	7.15	5.4	0.3	7.02	60	10.46	553	2.23	13.2
0846	7.15	6.3	0.3	7.02	60	10.66	553	2.19	12.6
0849	7.16	7.2	0.3	7.01	61	10.77	552	2.19	12.2

Total Quantity of Water Removed (Liter): 7.2
Samplers: AK/SS
Sampling Date: 02.09.16
Sampling Time: 0850
Split Sample With: N/A
Sample Type: Grab VOC

COMMENTS AND OBSERVATIONS:

EA Engineering PC and its Affliate,
EA Science and Technology

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GROUNDWATER SAMPLING
PURGE FORM

Well I.D.: MW-108A	**EA Personnel:** A. Kohn / S. Soldner	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** Overcast / snow / 30F
Sounding Method: 100-ft Solinst WLI	**Gauge Date:** 02.09.16	**Measurement Ref:** TOC
Stick Up/Down (ft): +1.5'	**Gauge Time:** 0825	**Well Diameter (in):** 2

Purge Date: 02.09.16	**Purge Time:** 0830
Purge Method: Low Flow - Grundfos Pump	**Field Technician:** A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft): 22.11	**D. Well Volume (ft):** 0.163	**Depth/Height of Top of PVC:** +1.5'
B. Depth to Water (ft): 7.04	**E. Well Volume (gal) C*D):** 2.45641	**Pump Type:** Grundfos
C. Liquid Depth (ft) (A-B): 15.07	**F. Five Well Volumes (gal) (E3):** 12.28205	**Pump Designation:** 20

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
0830	7.05	---	0.3	5.91	55	11.17	717	6.38	741
0833	7.05	0.9	0.3	6.03	40	11.26	718	3.69	310
0836	7.05	1.8	0.3	6.24	31	11.50	723	1.97	151
0839	7.05	2.7	0.3	6.24	33	11.81	727	1.54	60.8
0842	7.05	3.6	0.3	6.29	34	11.74	730	1.45	49.1
0845	7.05	4.5	0.3	6.29	35	11.76	731	1.41	32.3
0848	7.05	5.4	0.3	6.30	36	11.72	733	1.40	21.9
0851	7.05	6.3	0.3	6.30	36	11.65	735	1.40	18.4
0854	7.05	7.2	0.3	6.31	38	11.71	732	1.40	19.4

Total Quantity of Water Removed (Liter): 7.2
Samplers: AK/SS
Sampling Date: 02.09.16
Sampling Time: 0856
Split Sample With: N/A
Sample Type: Grab VOC

COMMENTS AND OBSERVATIONS:

EA Engineering PC and its Affliate,
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING
PURGE FORM

Well I.D.: MW-109	**EA Personnel:** A. Kohn / S. Soldner	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** Overcast / 30F
Sounding Method: 100-ft Solinst WLI	**Gauge Date:** 02.10.16	**Measurement Ref:** TOC
Stick Up/Down (ft): -0.5'	**Gauge Time:** 0800	**Well Diameter (in):** 2

Purge Date: 02.10.16	**Purge Time:** 0802
Purge Method: Low Flow - Grundfos Pump	**Field Technician:** A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft): 42.55	**D. Well Volume (ft):** 0.163	**Depth/Height of Top of PVC:** -0.5'
B. Depth to Water (ft): 7.1	**E. Well Volume (gal) C*D):** 5.77835	**Pump Type:** Grundfos
C. Liquid Depth (ft) (A-B): 35.45	**F. Five Well Volumes (gal) (E3):** 28.89175	**Pump Designation:** 40

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
0805	N/A	0.9	0.3	7.32	7	10.78	502	2.80	623
0808	N/A	1.8	0.3	7.34	-15	10.83	510	1.90	331
0811	N/A	2.7	0.3	7.36	-21	10.97	541	1.76	241
0814	N/A	3.6	0.3	7.39	-27	11.05	542	1.41	109
0817	N/A	4.5	0.3	7.39	-38	11.01	546	1.37	41.3
0820	N/A	5.4	0.3	7.4	-41	11.03	546	1.34	22.3
0823	N/A	6.3	0.3	7.39	-40	11.06	548	1.29	17.2
0826	N/A	7.2	0.3	7.38	-40	11.1	549	1.24	16.7
0829	N/A	8.1	0.3	7.37	-37	11.11	550	1.24	16.6

Total Quantity of Water Removed (Liter):	8.1	**Sampling Time:**	0830
Samplers:	AK/SS	**Split Sample With:**	N/A
Sampling Date:	02.10.16	**Sample Type:**	Grab VOC

COMMENTS AND OBSERVATIONS:

Water level meter not working

EA Engineering PC and its Affliate,
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-110B	**EA Personnel:** A. Kohn / S. Soldner	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** good	**Weather:**
Sounding Method: 100-ft Solinst WLI	**Gauge Date:** N/A	**Measurement Ref:** TOC
Stick Up/Down (ft): Down	**Gauge Time:** N/A	**Well Diameter (in):** 2

Purge Date: N/A	**Purge Time:** N/A
Purge Method: Low Flow - Grundfos Pump	**Field Technician:** A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft): N/A	**D. Well Volume (ft):** 0.163	**Depth/Height of Top of PVC:** Flush
B. Depth to Water (ft): N/A	**E. Well Volume (gal) C*D):** ---	**Pump Type:** Grundfos
C. Liquid Depth (ft) (A-B): ---	**F. Five Well Volumes (gal) (E3):** ---	**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)

Well not located, could not sample

Total Quantity of Water Removed (Liter):	N/A	**Sampling Time:**	N/A
Samplers:	AK/SS	**Split Sample With:**	N/A
Sampling Date:	N/A	**Sample Type:**	Grab VOC

COMMENTS AND OBSERVATIONS:

EA Engineering PC and its Affliate,
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-111	A. Kohn / S. Soldner	NYSDEC
Location:	**Well Condition:**	**Weather:**
Roxy Cleaners	OK; missing J-Plug & bolts	Overcast / 30F
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
100-ft Solinst WLI	02.10.16	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
-0.4	1127	8

Purge Date:	Purge Time:
02.10.16	1137
Purge Method:	**Field Technician:**
Low Flow - Grundfos Pump	A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
20.25	0.163	-0.4
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
9.31	1.78322	Grundfos
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):**	**Pump Designation:**
10.94	8.9161	18

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
1140	N/A	0.9	0.3	7.61	98	9.42	493	7.49	70.1
1143	N/A	1.8	0.3	7.72	104	9.82	491	7.31	64.2
1146	N/A	2.7	0.3	7.14	106	10.04	490	7.19	54.3
1149	N/A	3.6	0.3	7.07	108	10.18	489	7.19	46.9
1152	N/A	4.5	0.3	7.02	109	10.25	489	7.15	39.3
1155	N/A	5.4	0.3	7.08	109	10.30	488	7.11	32.7
1158	N/A	6.3	0.3	6.99	110	10.33	488	7.09	28.1
1201	N/A	7.2	0.3	6.98	110	10.32	487	7.00	23.9
1204	N/A	8.1	0.3	6.98	110	10.32	488	7.04	20.8
1207	N/A	9.0	0.3	6.98	110	10.33	488	7.04	18.6
1210	N/A	9.9	0.3	6.97	110	10.34	488	7.05	17.6
1213	N/A	10.8	0.3	6.97	110	10.32	488	7.06	17.1

Total Quantity of Water Removed (Liter):	10.8	Sampling Time:	1215
Samplers:	AK/SS	Split Sample With:	N/A
Sampling Date:	02.10.16	Sample Type:	Grab VOC

COMMENTS AND OBSERVATIONS:

Water level meter not working
No J-plug, no bolts in steel flush mount

EA Engineering PC and its Affliate,
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-112A	A. Kohn / S. Soldner	NYSDEC
Location:	**Well Condition:**	**Weather:**
Roxy Cleaners	Good	Overcast / 40F
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
100-ft Solinst WLI	02.09.16	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
-0.2	1225	2

Purge Date:	Purge Time:
02.09.16	1231
Purge Method:	**Field Technician:**
Low Flow - Grundfos Pump	A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
21.01	0.163	-0.2
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
14.2	1.11003	Grundfos
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):**	**Pump Designation:**
6.81	5.55015	19

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
1231	14.25	---	0.3	6.75	94	10.53	1170	12.07	>800
1234	14.27	0.9	0.3	6.44	97	11.53	1060	4.67	>800
1237	14.27	1.8	0.3	6.31	101	11.86	1110	4.71	635
1240	14.27	2.7	0.3	6.27	99	12.23	1130	4.84	537
1243	14.27	3.6	0.3	6.24	97	12.32	1140	4.62	404
1246	14.27	4.5	0.3	6.19	91	12.72	1120	4.42	202
1249	14.27	5.4	0.3	6.18	90	12.85	1110	4.32	154
1252	14.27	6.3	0.3	6.19	91	12.92	1110	4.29	114
1255	14.27	7.2	0.3	6.17	91	13.05	1090	4.41	91.1
1258	14.27	8.1	0.3	6.21	88	13.01	1080	4.46	44.5
1301	14.27	9.0	0.3	6.21	91	12.95	1060	4.41	40.2
1304	14.27	9.9	0.3	6.17	94	12.87	1050	4.51	34.0
1307	14.27	10.8	0.3	6.15	95	12.77	1050	4.56	24.8
1310	14.27	11.7	0.3	6.13	96	12.78	1050	4.52	22.5
1313	14.27	12.6	0.3	6.13	97	12.78	1050	4.51	23.6

Total Quantity of Water Removed (Liter):	15	**Sampling Time:**	1315
Samplers:	AK/SS	**Split Sample With:**	N/A
Sampling Date:	02.09.16	**Sample Type:**	Grab VOC

COMMENTS AND OBSERVATIONS:

Sheen present in purge water

EA Engineering PC and its Affliate,
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING
PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-113A	A. Kohn / S. Soldner	NYSDEC
Location:	**Well Condition:**	**Weather:**
Roxy Cleaners	Good	Cloudy / 30F
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
100-ft Solinst WLI	02.09.16	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
-0.2	1430	4

Purge Date:	Purge Time:
02.09.16	1436
Purge Method:	**Field Technician:**
Low Flow - Grundfos Pump	A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
29.37	0.163	-0.2
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
7.05	3.63816	Grundfos
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):**	**Pump Designation:**
22.32	18.1908	28

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
1439	7.10	0.9	0.3	7.78	90	9.16	520	6.26	>800
1442	7.14	1.8	0.3	7.75	88	9.76	524	4.95	>800
1445	7.14	2.7	0.3	7.51	71	10.99	546	0.77	>800
1448	7.14	3.6	0.3	7.47	64	11.52	544	0.71	>800
1451	7.14	4.5	0.3	7.46	61	11.72	545	0.67	>800
1454	7.14	5.4	0.3	7.45	61	11.88	544	0.65	>800
1457	7.14	6.3	0.3	7.45	62	11.90	543	0.62	>800
1500	7.14	7.2	0.3	7.54	74	11.71	543	1.34	>800
1503	7.14	8.1	0.3	7.47	71	11.82	542	0.71	>800
1506	7.14	9.0	0.3	7.40	70	11.90	542	0.77	>800
1509	7.14	9.9	0.3	7.41	70	11.93	541	0.69	533
1512	7.14	10.8	0.3	7.42	69	11.95	541	0.65	353
1515	7.14	11.7	0.3	7.42	68	11.98	541	0.53	264
1518	7.14	12.6	0.3	7.42	66	11.98	541	0.57	196
1521	7.14	13.5	0.3	7.42	65	11.99	541	0.62	148
1524	7.14	14.4	0.3	7.43	63	12.02	541	0.59	103
1527	7.14	15.3	0.3	7.42	64	11.95	541	0.60	93.7
1530	7.14	16.2	0.3	7.43	62	12.01	541	0.60	77.4
1533	7.14	17.1	0.3	7.43	61	12.02	541	0.58	63.9
1536	7.14	18.0	0.3	7.43	59	12.08	541	0.59	52.3
1539	7.14	18.9	0.3	7.43	59	12.07	541	0.60	46.3

1542	7.14	19.8	0.3	7.42	58	12.08	541	0.58	43.3
1545	7.14	20.7	0.3	7.42	58	12.08	541	0.58	42.7

Total Quantity of Water Removed (Liter): 20.7
Samplers: AK/SS
Sampling Date: 02.09.16
Sampling Time: 1545
Split Sample With: N/A
Sample Type: Grab VOC

COMMENTS AND OBSERVATIONS:

Cleaned Horiba at 1458

EA Engineering PC and its Affliate,
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: PZ-1	**EA Personnel:** A. Kohn / S. Soldner	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** good	**Weather:**
Sounding Method: 100-ft Solinst WLI	**Gauge Date:** N/A	**Measurement Ref:** TOC
Stick Up/Down (ft): Down	**Gauge Time:** N/A	**Well Diameter (in):** 2

Purge Date: N/A	**Purge Time:** N/A
Purge Method: Low Flow - Grundfos Pump	**Field Technician:** A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft): N/A	**D. Well Volume (ft):** 0.163	**Depth/Height of Top of PVC:** Flush
B. Depth to Water (ft): N/A	**E. Well Volume (gal) C*D):** ---	**Pump Type:** Grundfos
C. Liquid Depth (ft) (A-B): ---	**F. Five Well Volumes (gal) (E3):** ---	**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)

Well not located, could not sample

Total Quantity of Water Removed (Liter):	N/A	**Sampling Time:**	N/A
Samplers:	AK/SS	**Split Sample With:**	N/A
Sampling Date:	N/A	**Sample Type:**	Grab VOC

COMMENTS AND OBSERVATIONS:

EA Engineering PC and its Affliate,
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
TW-5	A. Kohn / S. Soldner	NYSDEC
Location:	**Well Condition:**	**Weather:**
Roxy Cleaners	Needs new flush mount head	Overcast / 35F
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
100-ft Solinst WLI	02.10.16	TOC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
-0.1	1000	2

Purge Date:	Purge Time:
02.10.16	1005
Purge Method:	**Field Technician:**
Low Flow - Grundfos Pump	A. Kohn / S. Soldner

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
16.11	0.163	-0.1
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
10.13	0.97474	Grundfos
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):**	**Pump Designation:**
5.98	4.8737	15

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temp (oC)	Cond (uS/cm)	DO (ug/L)	Turbidity (ntu)
1005	N/A	---	0.3	6.51	119	9.90	867	6.62	>800
1008	N/A	0.9	0.3	6.21	120	10.66	881	5.24	670
1011	N/A	1.8	0.3	6.17	118	10.71	883	4.50	297
1014	N/A	2.7	0.3	6.18	107	10.65	886	3.28	151
1032	N/A	3.6	0.3	6.1	102	10.93	878	4.04	100
1035	N/A	4.5	0.3	6.02	101	10.99	879	3.51	74.7
1038	N/A	5.4	0.3	5.94	105	11.02	881	3.10	45.6
1041	N/A	6.3	0.3	5.93	103	11.12	882	3.15	31.2
1044	N/A	7.2	0.3	5.91	105	11.17	881	3.09	30.7
1047	N/A	8.1	0.3	5.90	101	11.19	882	3.02	31.1

Total Quantity of Water Removed (Liter):	8.1	**Sampling Time:**	1047
Samplers:	AK/SS	**Split Sample With:**	N/A
Sampling Date:	02.10.16	**Sample Type:**	Grab VOC

COMMENTS AND OBSERVATIONS:

1015 - 1030 Grundfos pump malfunction

Water Level Meter not working

Appendix E
Groundwater Analytical

ALS Environmental
ALS Group USA, Corp
1565 Jefferson Rd, Building 300, Suite 360
Rochester, NY 14623
T: 585-288-5380
F: 585-288-8475
www.alsglobal.com

March 07, 2016

Analytical Report for Service Request No: R1601321

Mr. Jim Hayward
EA Engineering, Science, and Technology
6712 Brooklawn Parkway
Suite 104
Syracuse, NY 13211

Laboratory Results for: Roxy Cleaners/1490714

Dear Mr. Hayward:

Enclosed are the results of the sample(s) submitted to our laboratory on February 12, 2016. For your reference, these analyses have been assigned our service request number **R1601321**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7473. You may also contact me via email at Tracy.Christ@alsglobal.com.

Respectfully submitted,

ALS Group USA Corp. dba ALS Environmental

Vanessa M. Badman for Tracy Crist

Tracy Christ
Project Manager

Page 1 of _____

SDG NARRATIVE

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Bldg. 300, Suite 360
Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Environmental

Client:	EA Engineering, Science, and Technology
Service Request No.:	R1601321
Project:	Roxy Cleaners/1490714
Date Received:	February 12, 2016
Sample Matrix:	Water
Project/Case No.:	

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier IV data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses.

Sample Receipt

Samples were received for analysis at ALS Environmental on 2/12/16. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator between 1°C and 6°C upon receipt at the laboratory.

Volatile Organics in Water

Samples were analyzed for a site list of Volatile Organics by Methods 5030C/8260C from SW-846.

All Continuing Calibration Verification (CCV) standards were within 20% Difference (D) except 1,2-Dibromo-3-chloropropane (DBCP). All samples with positive detections for these compounds that associated with these CCV's should be considered as estimated.

No other analytical or QC problems were encountered.

ALS ASP/CLP Batching Form/Login Sheet

Client Proj #:	1490714	Batch Complete:	Yes	Date Revised:	
Submission:	R1601321	Diskette Requested:	No	Date Due:	2/26/16
Client:	EA Engineering, Science, and Tec	Date: 3/7/16		Protocol: SW846	
Client Rep:	TCHRIST	Custody Seal: Present/Absent:		Shipping No.:	
Project:	Roxy Cleaners	Chain of Custody: Present/Absent:		SDG #:	

CAS Job #	Client/EPA ID	Matrix	Requested Parameters	Date Sampled	Date Received	pH (Solids)	% Solids	Remarks Sample Condition
R1601321-001	44204-MW-102A	Water	8260C	2/10/16	2/12/16			
R1601321-002	44204-MW-111	Water	8260C	2/10/16	2/12/16			
R1601321-003	FD-021016-01	Water	8260C	2/10/16	2/12/16			
R1601321-004	RB-021016	Water	8260C	2/10/16	2/12/16			
R1601321-005	TB-021016	Water	8260C	2/10/16	2/12/16			
R1601321-006	44204-MW-106	Water	8260C	2/9/16	2/12/16			
R1601321-007	44204-MW-106A	Water	8260C	2/9/16	2/12/16			
R1601321-008	44204-MW-113A	Water	8260C	2/9/16	2/12/16			
R1601321-009	44204-MW-105A	Water	8260C	2/9/16	2/12/16			
R1601321-010	44204-MW-105	Water	8260C	2/9/16	2/12/16			
R1601321-011	44204-MW-109	Water	8260C	2/10/16	2/12/16			
R1601321-012QC	44204-MW-2	Water	8260C	2/10/16	2/12/16			
R1601321-013	44204-MW-2B	Water	8260C	2/10/16	2/12/16			
R1601321-014	44204-MW-107A	Water	8260C	2/10/16	2/12/16			
R1601321-015	44204-TW-5	Water	8260C	2/10/16	2/12/16			
R1601321-016	44204-MW-1	Water	8260C	2/8/16	2/12/16			
R1601321-017	44204-MW-1B	Water	8260C	2/8/16	2/12/16			
R1601321-018	44204-MW-108	Water	8260C	2/9/16	2/12/16			
R1601321-019	44204-MW-108A	Water	8260C	2/9/16	2/12/16			
R1601321-020	44204-MW-3B	Water	8260C	2/9/16	2/12/16			
R1601321-021	44204-MW-3	Water	8260C	2/9/16	2/12/16			
R1601321-022	44204-MW-4	Water	8260C	2/9/16	2/12/16			
R1601321-023	44204-MW-4B	Water	8260C	2/9/16	2/12/16			
R1601321-024	44204-MW-104	Water	8260C	2/9/16	2/12/16			
R1601321-025	442074-MW-112A	Water	8260C	2/9/16	2/12/16			

Folder Comments:

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% (25% for CLP) difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Certifications[1]

NELAP Accredited	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Connecticut ID # PH0556	Nebraska Accredited	
Delaware Accredited	Nevada ID # NY-00032	North Carolina #676
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047		Virginia #460167

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads

CHAINS OF CUSTODY

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Bldg. 300, Suite 360
Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS

1565 Jefferson Rd Bldg 300, Suite 360 Rochester, NY 14623 585-288-5380 FAX 585-288-8475

SR# _____

PAGE 1 OF 3

Project Name: Roxy Cleaners Project Number: 1490714

Project Manager: Jim Hayward Company: EA Engineering

Company/Address: 6712 Brooklawn Pkwy. Ste. 104 Phone: 315-431-4610

City, State, Zip: Syracuse, NY 13211 FAX: 315-431-4280

Sampler's Signature: STEPHEN SOLDNER

Sample I.D.	Date	Time	LAB ID	Matrix	Number of Containers	Analysis Requested: VOC 8260B					REMARKS
44204 - MW-1	020816	1608		GW	3	X					
44204 - MW-1B	"	1658		"	3	X					
44204 - MW-108	020916	0850		"	3	X					
44204 - MW-108A	"	0856		"	3	X					
44204 - MW-3B	"	0943		"	3	X					
44204 - MW-3	"	0945		"	3	X					
44204 - MW-4	"	1040		"	3	X					
44204 - MW-4B	"	1122		"	3	X					
44204 - MW-104	"	1300		"	3	X					
44204 - MW-112A	"	1315		"	3	X					

TURNAROUND REQUIREMENTS

____ 24 hr ____ 48 hr ____ 5 BD

X Standard (15 BD)

____ Provide FAX Preliminary Results

Requested Report Date: _____

REPORT REQUIREMENTS

____ I. Routine Report: Results and Method Blank (Surrogate, as required)

____ II. Results w/ QC (Dup., MS, MSD as req)

____ III. Results (with QC and Calibration Summaries) (X NYSDEC EQuIS 4 File)

____ IV. ASP-B

____ V. CLP

____ EDD?: _____

Comments/Special Instructions:

ALL SAMPLES HCL PRESERVED & ICE

Invoice Information

P.O. # _____

Bill to: NORTHEAST AP@EAEST.COM

RELINQUISHED BY:

Signature: _____

Printed Name: STEPHEN SOLDNER

Firm: EA

Date/Time: 021016 1630

RECEIVED BY:

Signature: FEDEX

Printed Name: _____

Firm: _____

Date/Time: _____

RELINQUISHED BY:

Signature: _____

Printed Name: _____

Firm: _____

Date/Time: _____

RECEIVED BY:

Signature: _____

Printed Name: _____

Firm: ALS

Date/Time: 2/12/16 0920

R1601321 5
EA Engineering, Science, and Technology
Roxy Cleaners

ALS

1565 Jefferson Rd Bldg 300, Suite 360 Rochester, NY 14623 585-288-5380 FAX 585-288-8475

SR# _____

PAGE 2 OF 3

Project Name: Roxy Cleaners **Project Number:** 1490714

Project Manager: Jim Hayward **Company:** EA Engineering

Company/Address: 6712 Brooklawn Pkwy. Ste. 104 **Phone:** 315-431-4610

City, State, Zip: Syracuse, NY 13211 **FAX:** 315-431-4280

Sampler's Signature: STEPHEN SOLDNER

Sample I.D.	Date	Time	LAB ID	Matrix	Number of Containers	Analysis Requested: VOC 8260B					REMARKS
44204-MW-106	02/09/16	1350		GW	3	X					
44204-MW-106A		1403			3	X					
44204-MW-113A		1545			3	X					
44204-MW-105A		1624			3	X					
44204-MW-105		1720			3	X					
44204-MW-109	02/10/16	0830			3	X					
44204-MW-2		0925			9	X					*MS/MSD HERE
44204-MW-2B		0925			3	X					
44204-MW-107A		1025			3	X					
44204-TW-5		1047			3	X					

TURNAROUND REQUIREMENTS

____ 24 hr ____ 48 hr ____ 5 BD

X Standard (15 BD)

____ Provide FAX Preliminary Results

Requested Report Date: _____

REPORT REQUIREMENTS

____ I. Routine Report: Results and Method Blank (Surrogate, as required)

____ II. Results w/ QC (Dup., MS, MSD as req)

____ III. Results (with QC and Calibration Summaries)

____ IV. ASP-B (X NYSDEC EQUIS ~~$0~~ 4-FILE)

____ V. CLP

____ EDD?: _____

Comments/Special Instructions: ALL SAMPLES HCL PRESERVED & ICE

Invoice Information

P.O. # _____

Bill to: NORTHEASTAP@EAEST.COM

RELINQUISHED BY:

Signature: _____

Printed Name: STEPHEN SOLDNER

Firm: EA

Date/Time: 02/10/16 1630

RECEIVED BY:

Signature: FEDEX

Printed Name: _____

Firm: _____

Date/Time: _____

RELINQUISHED BY:

Signature: _____

Printed Name: _____

Firm: _____

Date/Time: _____

RECEIVED BY:

Signature: _____

Printed Name: _____

Firm: ALS

Date/Time: 2/12/16 1017

R1601321 5
EA Engineering, Science, and Technology
Roxy Cleaners

ALS

1565 Jefferson Rd Bldg 300, Suite 360 Rochester, NY 14623 585-288-5380 FAX 585-288-8475

SR# _____

PAGE 3 OF 3

Project Name: Roxy Cleaners Project Number: 1490714

Project Manager: Jim Hayward Company: EA Engineering

Company/Address: 6712 Brooklawn Pkwy. Ste. 104 Phone: 315-431-4610

City, State, Zip: Syracuse, NY 13211 FAX: 315-431-4280

Sampler's Signature: STEPHEN SOLONER

Sample I.D.	Date	Time	LAB ID	Matrix	Number of Containers	Analysis Requested: VOC 8260B					REMARKS
44204 - MW-102A	021016	1158			3	X					
44204 - MW-111	021016	1215			3	X					
FD-021016-1	—	—			3	X					
~~44204~~	~~021016~~										
~~44204~~											
RB-021016	02/10/16	1530			3	X					
TB-021016	02/10/16	—			3	X					

TURNAROUND REQUIREMENTS

____ 24 hr ____ 48 hr ____ 5 BD

X Standard (15 BD)

____ Provide FAX Preliminary Results

Requested Report Date: _____

REPORT REQUIREMENTS

____ I. Routine Report: Results and Method Blank (Surrogate, as required)

____ II. Results w/ QC (Dup., MS, MSD as req)

____ III. Results (with QC and Calibration Summaries)

____ IV. ASP-B X EQUIS NYSDEC 4-FILE

____ V. CLP

____ EDD?: _____

Comments/Special Instructions: ALL SAMPLES PRESERVED W/ HCl & ICE

Invoice Information

P.O. # _____

Bill to: NORTHEASTAP@EAEST.com

R1601321

EA Engineering, Science, and Technology

Roxy Cleaners

5

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature: FEDEX	Signature:	Signature:
Printed Name: STEPHEN SOLONER	Printed Name:	Printed Name:	Printed Name:
Firm: EA	Firm:	Firm:	Firm:
Date/Time: 102116 / 1635	Date/Time:	Date/Time:	Date/Time: 2/12/16 0720

R1601321
EA Engineering, Science, and Technology
Roxy Cleaners
5

Cooler Receipt and Preservation Check Form

Project/Client Northeast Folder Number R1601321.

Cooler received on 2/12/16 by: [illegible]

COURIER: ALS (UPS) FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y (N)
2	**Custody papers** properly completed (ink, signed)?	(Y) N
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N
4	Circle: (Wet Ice) **Dry Ice Gel packs** present?	(Y) N

5a	**Perchlorate** samples have required headspace?	Y N (NA)
5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y (N) NA
6	Where did the bottles originate?	(ALS/ROC) CLIENT
7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 2/12/16 Time: 0925 ID: IR#3 (IR#5) From: (Temp Blank) Sample Bottle

Observed Temp (°C)	2.8						
Correction Factor (°C)	-0.6						
Corrected Temp (°C)	2.2°						
Within 0-6°C?	(Y) N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by [illegible] on 2/12/16 at 0929
5035 samples placed in storage location: _____ by _____ on _____ at _____

PC Secondary Review: _____

Cooler Breakdown: Date: 2-12-16 Time: 15:15 by: [illegible]

1. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
2. Did all bottle labels and tags agree with custody papers? (YES) NO
3. Were correct containers used for the tests indicated? (YES) NO
4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated (N/A)

Explain any discrepancies:

pH	Reagent	Yes	No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3								
≤2	H_2SO_4								
<4	$NaHSO_4$								
Residual Chlorine (-)	For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
	$Na_2S_2O_3$	-	-						
	ZnAcetate	-	-						
	HCl	**	**	4114070	12/16				

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Yes=All samples OK

No=Samples were preserved at The lab as listed

PM OK to Adjust: _____

Bottle lot numbers: Lot info covered by client labels.

Other Comments:

PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

ALS ENVIRONMENTAL

Chain of Custody Report

Client: EA Engineering, Science, and Technology **Service Request:** R1601321
Project: Roxy Cleaners/1490714

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
R1601321-001.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/17/16	1245	In Lab / FNAEGLER	
		2/17/16	1327	R-001-S10 / DLIPANI	
R1601321-001.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-001.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-002.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/17/16	1245	In Lab / FNAEGLER	
		2/17/16	1327	R-001-S10 / DLIPANI	
R1601321-002.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-002.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-003.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/17/16	1245	In Lab / FNAEGLER	
		2/17/16	1327	R-001-S10 / DLIPANI	
R1601321-003.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-003.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-004.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/17/16	1245	In Lab / FNAEGLER	

ALS ENVIRONMENTAL

Chain of Custody Report

Client: EA Engineering, Science, and Technology **Service Request:** R1601321
Project: Roxy Cleaners/1490714

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
		2/17/16	1327	R-001-S10 / DLIPANI	
R1601321-004.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-004.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-005.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/17/16	1245	In Lab / FNAEGLER	
		2/17/16	1327	R-001-S10 / DLIPANI	
R1601321-005.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-005.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-006.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/17/16	1246	In Lab / FNAEGLER	
		2/17/16	1327	R-001-S10 / DLIPANI	
R1601321-006.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-006.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-007.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/17/16	1246	In Lab / FNAEGLER	
		2/17/16	1327	R-001-S10 / DLIPANI	
R1601321-007.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	

Client: EA Engineering, Science, and Technology **Service Request:** R1601321
Project: Roxy Cleaners/1490714

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
R1601321-007.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-008.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/17/16	1246	In Lab / FNAEGLER	
		2/17/16	1327	R-001-S10 / DLIPANI	
R1601321-008.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-008.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-009.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/17/16	1246	In Lab / FNAEGLER	
		2/17/16	1327	R-001-S10 / DLIPANI	
R1601321-009.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-009.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-010.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/17/16	1246	In Lab / FNAEGLER	
		2/17/16	1327	R-001-S10 / DLIPANI	
R1601321-010.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-010.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-011.01					
	8260C				

ALS ENVIRONMENTAL

Chain of Custody Report

Client: EA Engineering, Science, and Technology **Service Request:** R1601321
Project: Roxy Cleaners/1490714

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/17/16	1246	In Lab / FNAEGLER	
		2/17/16	1327	R-001-S10 / DLIPANI	
R1601321-011.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-011.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-012.01					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-012.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-012.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-012.04					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-012.05					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-012.06					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/17/16	1246	In Lab / FNAEGLER	
		2/17/16	1327	R-001-S10 / DLIPANI	
R1601321-012.07					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-012.08					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-012.09					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	

ALS ENVIRONMENTAL

Chain of Custody Report

Client: EA Engineering, Science, and Technology **Service Request:** R1601321
Project: Roxy Cleaners/1490714

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
R1601321-013.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/18/16	1412	In Lab / FNAEGLER	
		2/18/16	1425	R-001-S10 / DLIPANI	
R1601321-013.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-013.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-014.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/18/16	1412	In Lab / FNAEGLER	
		2/18/16	1425	R-001-S10 / DLIPANI	
R1601321-014.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-014.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-015.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/18/16	1412	In Lab / FNAEGLER	
		2/18/16	1425	R-001-S10 / DLIPANI	
R1601321-015.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-015.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-016.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/18/16	1412	In Lab / FNAEGLER	

Client: EA Engineering, Science, and Technology **Service Request:** R1601321
Project: Roxy Cleaners/1490714

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
		2/18/16	1425	R-001-S10 / DLIPANI	
R1601321-016.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-016.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-017.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/18/16	1412	In Lab / FNAEGLER	
		2/18/16	1425	R-001-S10 / DLIPANI	
R1601321-017.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-017.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-018.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/18/16	1412	In Lab / FNAEGLER	
		2/18/16	1425	R-001-S10 / DLIPANI	
R1601321-018.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-018.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-019.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/18/16	1412	In Lab / FNAEGLER	
		2/18/16	1425	R-001-S10 / DLIPANI	
R1601321-019.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	

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Chain of Custody Report

Client: EA Engineering, Science, and Technology **Service Request:** R1601321
Project: Roxy Cleaners/1490714

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
R1601321-019.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-020.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/18/16	1412	In Lab / FNAEGLER	
		2/18/16	1426	R-001-S10 / DLIPANI	
R1601321-020.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-020.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-021.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/18/16	1412	In Lab / FNAEGLER	
		2/18/16	1426	R-001-S10 / DLIPANI	
R1601321-021.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-021.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-022.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/18/16	1412	In Lab / FNAEGLER	
		2/18/16	1426	R-001-S10 / DLIPANI	
R1601321-022.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-022.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-023.01					
	8260C				

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Chain of Custody Report

Client: EA Engineering, Science, and Technology **Service Request:** R1601321
Project: Roxy Cleaners/1490714

Bottle ID	Tests	Date	Time	Sample Location / User	Disposed On
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/18/16	1412	In Lab / FNAEGLER	
		2/18/16	1426	R-001-S10 / DLIPANI	
R1601321-023.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-023.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-024.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/18/16	1412	In Lab / FNAEGLER	
		2/18/16	1426	R-001-S10 / DLIPANI	
R1601321-024.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-024.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-025.01					
	8260C				
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
		2/18/16	1412	In Lab / FNAEGLER	
		2/18/16	1426	R-001-S10 / DLIPANI	
R1601321-025.02					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	
R1601321-025.03					
		2/12/16	1518	SMO / GESMERIAN	
		2/12/16	1518	R-001 / GESMERIAN	

SAMPLE RESULTS

ALS Environmental—Rochester Laboratory
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Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1158
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-102A	**Units:**	µg/L
Lab Code:	R1601321-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 16:28		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 16:28		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 16:28		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 16:28		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 16:28		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 16:28		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 16:28		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 16:28		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 16:28		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 16:28		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 16:28		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 16:28		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 16:28		484304	
Acetone	10	U	10	1.3	1	NA	2/17/16 16:28		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 16:28		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 16:28		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 16:28		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 16:28		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 16:28		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 16:28		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 16:28		484304	
Chloroform	**2.8**	J	5.0	0.25	1	NA	2/17/16 16:28		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 16:28		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 16:28		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 16:28		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 16:28		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 16:28		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 16:28		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 16:28		484304	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1158
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-102A	**Units:**	µg/L
Lab Code:	R1601321-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 16:28		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
Tetrachloroethene (PCE)	**1.0**	J	5.0	0.30	1	NA	2/17/16 16:28		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 16:28		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 16:28		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 16:28		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 16:28		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 16:28		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 16:28		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	2/17/16 16:28	
Dibromofluoromethane	98	89-119	2/17/16 16:28	
Toluene-d8	99	87-121	2/17/16 16:28	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1215
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-111	**Units:**	µg/L
Lab Code:	R1601321-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 16:52		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 16:52		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 16:52		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 16:52		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 16:52		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 16:52		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 16:52		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 16:52		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 16:52		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 16:52		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 16:52		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 16:52		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 16:52		484304	
Acetone	10	U	10	1.3	1	NA	2/17/16 16:52		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 16:52		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 16:52		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 16:52		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 16:52		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 16:52		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 16:52		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 16:52		484304	
Chloroform	**1.1**	J	5.0	0.25	1	NA	2/17/16 16:52		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 16:52		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 16:52		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 16:52		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 16:52		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 16:52		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 16:52		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 16:52		484304	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1215
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-111	**Units:**	µg/L
Lab Code:	R1601321-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 16:52		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
Tetrachloroethene (PCE)	**3.9**	J	5.0	0.30	1	NA	2/17/16 16:52		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 16:52		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 16:52		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 16:52		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 16:52		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 16:52		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 16:52		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85-122	2/17/16 16:52	
Dibromofluoromethane	99	89-119	2/17/16 16:52	
Toluene-d8	101	87-121	2/17/16 16:52	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	FD-021016-01	**Units:**	µg/L
Lab Code:	R1601321-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 17:17		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 17:17		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 17:17		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 17:17		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 17:17		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 17:17		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 17:17		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 17:17		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 17:17		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 17:17		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 17:17		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 17:17		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 17:17		484304	
Acetone	10	U	10	1.3	1	NA	2/17/16 17:17		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 17:17		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 17:17		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 17:17		484304	
Carbon Disulfide	**1.4**	J	10	0.22	1	NA	2/17/16 17:17		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 17:17		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 17:17		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 17:17		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 17:17		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 17:17		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 17:17		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 17:17		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 17:17		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 17:17		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 17:17		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 17:17		484304	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	FD-021016-01	**Units:**	µg/L
Lab Code:	R1601321-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 17:17		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/17/16 17:17		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 17:17		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
Vinyl Chloride	**0.70**	J	5.0	0.32	1	NA	2/17/16 17:17		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 17:17		484304	
cis-1,2-Dichloroethene	**4.2**	J	5.0	0.30	1	NA	2/17/16 17:17		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 17:17		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 17:17		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85-122	2/17/16 17:17	
Dibromofluoromethane	99	89-119	2/17/16 17:17	
Toluene-d8	101	87-121	2/17/16 17:17	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1530
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	RB-021016	**Units:**	µg/L
Lab Code:	R1601321-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 16:04		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 16:04		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 16:04		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 16:04		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 16:04		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 16:04		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 16:04		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 16:04		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 16:04		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 16:04		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 16:04		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 16:04		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 16:04		484304	
Acetone	10	U	10	1.3	1	NA	2/17/16 16:04		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 16:04		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 16:04		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 16:04		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 16:04		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 16:04		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 16:04		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 16:04		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 16:04		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 16:04		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 16:04		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 16:04		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 16:04		484304	
Dichloromethane	**1.3**	J	5.0	0.60	1	NA	2/17/16 16:04		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 16:04		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 16:04		484304	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1530
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	RB-021016	**Units:**	µg/L
Lab Code:	R1601321-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 16:04		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/17/16 16:04		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 16:04		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 16:04		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 16:04		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 16:04		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 16:04		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 16:04		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85-122	2/17/16 16:04	
Dibromofluoromethane	95	89-119	2/17/16 16:04	
Toluene-d8	98	87-121	2/17/16 16:04	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	TB-021016	**Units:**	µg/L
Lab Code:	R1601321-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 15:40		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 15:40		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 15:40		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 15:40		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 15:40		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 15:40		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 15:40		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 15:40		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 15:40		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 15:40		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 15:40		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 15:40		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 15:40		484304	
Acetone	10	U	10	1.3	1	NA	2/17/16 15:40		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 15:40		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 15:40		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 15:40		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 15:40		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 15:40		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 15:40		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 15:40		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 15:40		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 15:40		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 15:40		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 15:40		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 15:40		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 15:40		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 15:40		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 15:40		484304	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	TB-021016	**Units:**	µg/L
Lab Code:	R1601321-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 15:40		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/17/16 15:40		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 15:40		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 15:40		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 15:40		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 15:40		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 15:40		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 15:40		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85-122	2/17/16 15:40	
Dibromofluoromethane	100	89-119	2/17/16 15:40	
Toluene-d8	102	87-121	2/17/16 15:40	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1350
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-106	**Units:**	µg/L
Lab Code:	R1601321-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 17:41		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 17:41		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 17:41		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 17:41		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 17:41		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 17:41		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 17:41		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 17:41		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 17:41		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 17:41		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 17:41		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 17:41		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 17:41		484304	
Acetone	**24**		10	1.3	1	NA	2/17/16 17:41		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 17:41		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 17:41		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 17:41		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 17:41		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 17:41		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 17:41		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 17:41		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 17:41		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 17:41		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 17:41		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 17:41		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 17:41		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 17:41		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 17:41		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 17:41		484304	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1350
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-106	**Units:**	µg/L
Lab Code:	R1601321-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 17:41		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/17/16 17:41		484304	
Toluene	**0.33**	J	5.0	0.20	1	NA	2/17/16 17:41		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 17:41		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 17:41		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 17:41		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 17:41		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 17:41		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 17:41		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85-122	2/17/16 17:41	
Dibromofluoromethane	100	89-119	2/17/16 17:41	
Toluene-d8	101	87-121	2/17/16 17:41	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1403
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-106A	**Units:**	µg/L
Lab Code:	R1601321-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 18:05		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 18:05		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 18:05		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 18:05		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 18:05		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 18:05		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 18:05		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 18:05		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 18:05		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 18:05		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 18:05		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 18:05		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 18:05		484304	
Acetone	10	U	10	1.3	1	NA	2/17/16 18:05		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 18:05		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 18:05		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 18:05		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 18:05		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 18:05		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 18:05		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 18:05		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 18:05		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 18:05		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 18:05		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 18:05		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 18:05		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 18:05		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 18:05		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 18:05		484304	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1403
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-106A	**Units:**	µg/L
Lab Code:	R1601321-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 18:05		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/17/16 18:05		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 18:05		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 18:05		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 18:05		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 18:05		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 18:05		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 18:05		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	2/17/16 18:05	
Dibromofluoromethane	100	89-119	2/17/16 18:05	
Toluene-d8	101	87-121	2/17/16 18:05	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1545
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-113A	**Units:**	µg/L
Lab Code:	R1601321-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 18:29		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 18:29		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 18:29		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 18:29		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 18:29		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 18:29		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 18:29		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 18:29		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 18:29		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 18:29		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 18:29		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 18:29		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 18:29		484304	
Acetone	**1.7**	J	10	1.3	1	NA	2/17/16 18:29		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 18:29		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 18:29		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 18:29		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 18:29		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 18:29		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 18:29		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 18:29		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 18:29		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 18:29		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 18:29		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 18:29		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 18:29		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 18:29		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 18:29		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 18:29		484304	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1545
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-113A	**Units:**	µg/L
Lab Code:	R1601321-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 18:29		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/17/16 18:29		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 18:29		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 18:29		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 18:29		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 18:29		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 18:29		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 18:29		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85-122	2/17/16 18:29	
Dibromofluoromethane	96	89-119	2/17/16 18:29	
Toluene-d8	99	87-121	2/17/16 18:29	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1624
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-105A	**Units:**	µg/L
Lab Code:	R1601321-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 18:53		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 18:53		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 18:53		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 18:53		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 18:53		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 18:53		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 18:53		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 18:53		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 18:53		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 18:53		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 18:53		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 18:53		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 18:53		484304	
Acetone	10	U	10	1.3	1	NA	2/17/16 18:53		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 18:53		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 18:53		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 18:53		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 18:53		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 18:53		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 18:53		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 18:53		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 18:53		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 18:53		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 18:53		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 18:53		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 18:53		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 18:53		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 18:53		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 18:53		484304	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1624
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-105A	**Units:**	µg/L
Lab Code:	R1601321-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 18:53		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/17/16 18:53		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 18:53		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 18:53		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 18:53		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 18:53		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 18:53		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 18:53		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85-122	2/17/16 18:53	
Dibromofluoromethane	97	89-119	2/17/16 18:53	
Toluene-d8	98	87-121	2/17/16 18:53	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1720
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-105	**Units:**	µg/L
Lab Code:	R1601321-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 19:17		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 19:17		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 19:17		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 19:17		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 19:17		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 19:17		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 19:17		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 19:17		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 19:17		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 19:17		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 19:17		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 19:17		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 19:17		484304	
Acetone	**1.6**	J	10	1.3	1	NA	2/17/16 19:17		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 19:17		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 19:17		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 19:17		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 19:17		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 19:17		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 19:17		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 19:17		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 19:17		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 19:17		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 19:17		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 19:17		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 19:17		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 19:17		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 19:17		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 19:17		484304	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1720
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-105	**Units:**	µg/L
Lab Code:	R1601321-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 19:17		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
Tetrachloroethene (PCE)	**1.5**	J	5.0	0.30	1	NA	2/17/16 19:17		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
Trichloroethene (TCE)	**0.73**	J	5.0	0.22	1	NA	2/17/16 19:17		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 19:17		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 19:17		484304	
cis-1,2-Dichloroethene	**0.58**	J	5.0	0.30	1	NA	2/17/16 19:17		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 19:17		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 19:17		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85-122	2/17/16 19:17	
Dibromofluoromethane	98	89-119	2/17/16 19:17	
Toluene-d8	99	87-121	2/17/16 19:17	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 0830
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-109	**Units:**	µg/L
Lab Code:	R1601321-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 19:41		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 19:41		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 19:41		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 19:41		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 19:41		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 19:41		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 19:41		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 19:41		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 19:41		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 19:41		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 19:41		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 19:41		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 19:41		484304	
Acetone	**5.9**	J	10	1.3	1	NA	2/17/16 19:41		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 19:41		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 19:41		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 19:41		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 19:41		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 19:41		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 19:41		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 19:41		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 19:41		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 19:41		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 19:41		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 19:41		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 19:41		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 19:41		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 19:41		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 19:41		484304	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 0830
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-109	**Units:**	µg/L
Lab Code:	R1601321-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 19:41		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/17/16 19:41		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 19:41		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 19:41		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 19:41		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 19:41		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 19:41		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 19:41		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85-122	2/17/16 19:41	
Dibromofluoromethane	98	89-119	2/17/16 19:41	
Toluene-d8	99	87-121	2/17/16 19:41	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 0925
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-2	**Units:**	µg/L
Lab Code:	R1601321-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 20:05		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 20:05		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 20:05		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 20:05		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 20:05		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 20:05		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 20:05		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 20:05		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 20:05		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 20:05		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 20:05		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 20:05		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 20:05		484304	
Acetone	10	U	10	1.3	1	NA	2/17/16 20:05		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 20:05		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 20:05		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 20:05		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 20:05		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 20:05		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 20:05		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 20:05		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 20:05		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 20:05		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 20:05		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 20:05		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 20:05		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 20:05		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 20:05		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 20:05		484304	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 0925
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-2	**Units:**	µg/L
Lab Code:	R1601321-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 20:05		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
Tetrachloroethene (PCE)	**30**		5.0	0.30	1	NA	2/17/16 20:05		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 20:05		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 20:05		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 20:05		484304	
cis-1,2-Dichloroethene	**2.4**	J	5.0	0.30	1	NA	2/17/16 20:05		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 20:05		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 20:05		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85-122	2/17/16 20:05	
Dibromofluoromethane	93	89-119	2/17/16 20:05	
Toluene-d8	96	87-121	2/17/16 20:05	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 0925
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-2B	**Units:**	µg/L
Lab Code:	R1601321-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 17:13		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 17:13		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 17:13		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 17:13		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 17:13		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 17:13		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 17:13		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 17:13		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 17:13		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 17:13		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 17:13		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 17:13		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 17:13		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 17:13		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 17:13		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 17:13		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 17:13		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 17:13		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 17:13		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 17:13		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 17:13		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 17:13		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 17:13		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 17:13		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 17:13		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 17:13		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 17:13		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 17:13		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 17:13		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 17:13		484541	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 0925
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-2B	**Units:**	µg/L
Lab Code:	R1601321-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 17:13		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 17:13		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
Vinyl Chloride	**0.66**	J	5.0	0.32	1	NA	2/18/16 17:13		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 17:13		484541	
cis-1,2-Dichloroethene	**4.2**	J	5.0	0.30	1	NA	2/18/16 17:13		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 17:13		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 17:13		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85-122	2/18/16 17:13	
Dibromofluoromethane	99	89-119	2/18/16 17:13	
Toluene-d8	100	87-121	2/18/16 17:13	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1025
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-107A	**Units:**	µg/L
Lab Code:	R1601321-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 17:37		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 17:37		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 17:37		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 17:37		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 17:37		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 17:37		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 17:37		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 17:37		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 17:37		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 17:37		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 17:37		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 17:37		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 17:37		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 17:37		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 17:37		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 17:37		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 17:37		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 17:37		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 17:37		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 17:37		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 17:37		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 17:37		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 17:37		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 17:37		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 17:37		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 17:37		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 17:37		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 17:37		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 17:37		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 17:37		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1025
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-107A	**Units:**	µg/L
Lab Code:	R1601321-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
Tetrachloroethene (PCE)	**15**		5.0	0.30	1	NA	2/18/16 17:37		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
Trichloroethene (TCE)	**1.9**	J	5.0	0.22	1	NA	2/18/16 17:37		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 17:37		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 17:37		484541	
cis-1,2-Dichloroethene	**1.3**	J	5.0	0.30	1	NA	2/18/16 17:37		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 17:37		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 17:37		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	2/18/16 17:37	
Dibromofluoromethane	99	89-119	2/18/16 17:37	
Toluene-d8	99	87-121	2/18/16 17:37	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1047
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-TW-5	**Units:**	µg/L
Lab Code:	R1601321-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 18:01		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 18:01		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 18:01		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 18:01		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 18:01		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 18:01		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 18:01		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 18:01		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 18:01		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 18:01		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 18:01		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 18:01		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 18:01		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 18:01		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 18:01		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 18:01		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 18:01		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 18:01		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 18:01		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 18:01		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 18:01		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 18:01		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 18:01		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 18:01		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 18:01		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 18:01		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 18:01		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 18:01		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 18:01		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 18:01		484541	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1047
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-TW-5	**Units:**	µg/L
Lab Code:	R1601321-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
Tetrachloroethene (PCE)	**26**		5.0	0.30	1	NA	2/18/16 18:01		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
Trichloroethene (TCE)	**1.9**	J	5.0	0.22	1	NA	2/18/16 18:01		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 18:01		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 18:01		484541	
cis-1,2-Dichloroethene	**0.99**	J	5.0	0.30	1	NA	2/18/16 18:01		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 18:01		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 18:01		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85-122	2/18/16 18:01	
Dibromofluoromethane	97	89-119	2/18/16 18:01	
Toluene-d8	98	87-121	2/18/16 18:01	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 8/16 1608
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-1	**Units:**	µg/L
Lab Code:	R1601321-016	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 18:25		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 18:25		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 18:25		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 18:25		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 18:25		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 18:25		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 18:25		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 18:25		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 18:25		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 18:25		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 18:25		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 18:25		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 18:25		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 18:25		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 18:25		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 18:25		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 18:25		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 18:25		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 18:25		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 18:25		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 18:25		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 18:25		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 18:25		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 18:25		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 18:25		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 18:25		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 18:25		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 18:25		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 18:25		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 18:25		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 8/16 1608
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-1	**Units:**	µg/L
Lab Code:	R1601321-016	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 18:25		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 18:25		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 18:25		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 18:25		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 18:25		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 18:25		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 18:25		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	2/18/16 18:25	
Dibromofluoromethane	99	89-119	2/18/16 18:25	
Toluene-d8	101	87-121	2/18/16 18:25	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 8/16 1658
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-1B	**Units:**	µg/L
Lab Code:	R1601321-017	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 18:49		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 18:49		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 18:49		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 18:49		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 18:49		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 18:49		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 18:49		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 18:49		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 18:49		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 18:49		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 18:49		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 18:49		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 18:49		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 18:49		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 18:49		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 18:49		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 18:49		484541	
Carbon Disulfide	**1.8**	J	10	0.22	1	NA	2/18/16 18:49		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 18:49		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 18:49		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 18:49		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 18:49		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 18:49		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 18:49		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 18:49		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 18:49		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 18:49		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 18:49		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 18:49		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 18:49		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 8/16 1658
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-1B	**Units:**	µg/L
Lab Code:	R1601321-017	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 18:49		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 18:49		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 18:49		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 18:49		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 18:49		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 18:49		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 18:49		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85-122	2/18/16 18:49	
Dibromofluoromethane	98	89-119	2/18/16 18:49	
Toluene-d8	100	87-121	2/18/16 18:49	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 0850
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-108	**Units:**	µg/L
Lab Code:	R1601321-018	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 19:13		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 19:13		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 19:13		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 19:13		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 19:13		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 19:13		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 19:13		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 19:13		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 19:13		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 19:13		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 19:13		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 19:13		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 19:13		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 19:13		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 19:13		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 19:13		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 19:13		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 19:13		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 19:13		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 19:13		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 19:13		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 19:13		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 19:13		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 19:13		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 19:13		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 19:13		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 19:13		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 19:13		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 19:13		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 19:13		484541	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 0850
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-108	**Units:**	µg/L
Lab Code:	R1601321-018	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
Tetrachloroethene (PCE)	**0.97**	J	5.0	0.30	1	NA	2/18/16 19:13		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 19:13		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 19:13		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 19:13		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 19:13		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 19:13		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 19:13		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	2/18/16 19:13	
Dibromofluoromethane	98	89-119	2/18/16 19:13	
Toluene-d8	98	87-121	2/18/16 19:13	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 0856
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-108A	**Units:**	µg/L
Lab Code:	R1601321-019	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 19:37		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 19:37		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 19:37		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 19:37		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 19:37		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 19:37		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 19:37		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 19:37		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 19:37		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 19:37		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 19:37		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 19:37		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 19:37		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 19:37		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 19:37		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 19:37		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 19:37		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 19:37		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 19:37		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 19:37		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 19:37		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 19:37		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 19:37		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 19:37		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 19:37		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 19:37		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 19:37		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 19:37		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 19:37		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 19:37		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 0856
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-108A	**Units:**	µg/L
Lab Code:	R1601321-019	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 19:37		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 19:37		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 19:37		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 19:37		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 19:37		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 19:37		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 19:37		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	2/18/16 19:37	
Dibromofluoromethane	98	89-119	2/18/16 19:37	
Toluene-d8	97	87-121	2/18/16 19:37	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 0943
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-3B	**Units:**	µg/L
Lab Code:	R1601321-020	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 20:01		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 20:01		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 20:01		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 20:01		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 20:01		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 20:01		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 20:01		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 20:01		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 20:01		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 20:01		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 20:01		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 20:01		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 20:01		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 20:01		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 20:01		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 20:01		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 20:01		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 20:01		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 20:01		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 20:01		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 20:01		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 20:01		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 20:01		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 20:01		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 20:01		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 20:01		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 20:01		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 20:01		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 20:01		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 20:01		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 0943
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-3B	**Units:**	µg/L
Lab Code:	R1601321-020	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 20:01		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 20:01		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
Vinyl Chloride	**0.55**	J	5.0	0.32	1	NA	2/18/16 20:01		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 20:01		484541	
cis-1,2-Dichloroethene	**0.68**	J	5.0	0.30	1	NA	2/18/16 20:01		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 20:01		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 20:01		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85-122	2/18/16 20:01	
Dibromofluoromethane	95	89-119	2/18/16 20:01	
Toluene-d8	96	87-121	2/18/16 20:01	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 0945
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-3	**Units:**	µg/L
Lab Code:	R1601321-021	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 20:25		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 20:25		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 20:25		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 20:25		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 20:25		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 20:25		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 20:25		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 20:25		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 20:25		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 20:25		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 20:25		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 20:25		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 20:25		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 20:25		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 20:25		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 20:25		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 20:25		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 20:25		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 20:25		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 20:25		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 20:25		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 20:25		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 20:25		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 20:25		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 20:25		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 20:25		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 20:25		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 20:25		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 20:25		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 20:25		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 0945
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-3	**Units:**	µg/L
Lab Code:	R1601321-021	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 20:25		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 20:25		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 20:25		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 20:25		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 20:25		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 20:25		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 20:25		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85-122	2/18/16 20:25	
Dibromofluoromethane	98	89-119	2/18/16 20:25	
Toluene-d8	99	87-121	2/18/16 20:25	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1040
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-4	**Units:**	µg/L
Lab Code:	R1601321-022	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 20:49		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 20:49		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 20:49		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 20:49		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 20:49		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 20:49		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 20:49		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 20:49		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 20:49		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 20:49		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 20:49		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 20:49		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 20:49		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 20:49		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 20:49		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 20:49		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 20:49		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 20:49		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 20:49		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 20:49		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 20:49		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 20:49		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 20:49		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 20:49		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 20:49		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 20:49		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 20:49		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 20:49		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 20:49		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 20:49		484541	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1040
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-4	**Units:**	µg/L
Lab Code:	R1601321-022	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 20:49		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 20:49		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 20:49		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 20:49		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 20:49		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 20:49		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 20:49		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85-122	2/18/16 20:49	
Dibromofluoromethane	97	89-119	2/18/16 20:49	
Toluene-d8	97	87-121	2/18/16 20:49	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1122
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-4B	**Units:**	µg/L
Lab Code:	R1601321-023	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 21:13		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 21:13		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 21:13		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 21:13		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 21:13		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 21:13		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 21:13		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 21:13		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 21:13		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 21:13		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 21:13		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 21:13		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 21:13		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 21:13		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 21:13		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 21:13		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 21:13		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 21:13		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 21:13		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 21:13		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 21:13		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 21:13		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 21:13		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 21:13		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 21:13		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 21:13		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 21:13		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 21:13		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 21:13		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 21:13		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1122
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-4B	**Units:**	µg/L
Lab Code:	R1601321-023	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 21:13		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 21:13		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 21:13		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 21:13		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 21:13		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 21:13		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 21:13		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85-122	2/18/16 21:13	
Dibromofluoromethane	99	89-119	2/18/16 21:13	
Toluene-d8	102	87-121	2/18/16 21:13	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1300
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-104	**Units:**	µg/L
Lab Code:	R1601321-024	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 21:37		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 21:37		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 21:37		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 21:37		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 21:37		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 21:37		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 21:37		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 21:37		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 21:37		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 21:37		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 21:37		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 21:37		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 21:37		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 21:37		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 21:37		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 21:37		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 21:37		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 21:37		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 21:37		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 21:37		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 21:37		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 21:37		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 21:37		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 21:37		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 21:37		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 21:37		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 21:37		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 21:37		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 21:37		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 21:37		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1300
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-104	**Units:**	µg/L
Lab Code:	R1601321-024	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 21:37		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 21:37		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 21:37		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 21:37		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 21:37		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 21:37		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 21:37		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85-122	2/18/16 21:37	
Dibromofluoromethane	100	89-119	2/18/16 21:37	
Toluene-d8	101	87-121	2/18/16 21:37	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1315
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	442074-MW-112A	**Units:**	µg/L
Lab Code:	R1601321-025	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 22:01		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 22:01		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 22:01		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 22:01		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 22:01		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 22:01		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 22:01		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 22:01		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 22:01		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 22:01		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 22:01		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 22:01		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 22:01		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 22:01		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 22:01		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 22:01		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 22:01		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 22:01		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 22:01		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 22:01		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 22:01		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 22:01		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 22:01		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 22:01		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 22:01		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 22:01		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 22:01		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 22:01		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 22:01		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 22:01		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1315
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	442074-MW-112A	**Units:**	µg/L
Lab Code:	R1601321-025	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 22:01		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 22:01		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 22:01		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 22:01		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 22:01		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 22:01		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 22:01		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	2/18/16 22:01	
Dibromofluoromethane	100	89-119	2/18/16 22:01	
Toluene-d8	102	87-121	2/18/16 22:01	

QC SUMMARY FORMS

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GC/MS VOA

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ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1601789-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 12:02		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 12:02		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 12:02		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 12:02		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 12:02		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 12:02		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 12:02		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 12:02		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 12:02		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 12:02		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 12:02		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 12:02		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 12:02		484304	
Acetone	10	U	10	1.3	1	NA	2/17/16 12:02		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 12:02		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 12:02		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 12:02		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 12:02		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 12:02		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 12:02		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 12:02		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 12:02		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 12:02		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 12:02		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 12:02		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 12:02		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 12:02		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 12:02		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 12:02		484304	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1601789-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 12:02		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/17/16 12:02		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 12:02		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 12:02		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 12:02		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 12:02		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 12:02		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 12:02		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	2/17/16 12:02	
Dibromofluoromethane	99	89-119	2/17/16 12:02	
Toluene-d8	100	87-121	2/17/16 12:02	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1601849-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 13:02		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 13:02		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 13:02		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 13:02		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 13:02		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 13:02		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 13:02		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 13:02		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 13:02		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 13:02		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 13:02		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 13:02		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 13:02		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 13:02		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 13:02		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 13:02		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 13:02		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 13:02		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 13:02		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 13:02		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 13:02		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 13:02		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 13:02		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 13:02		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 13:02		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 13:02		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 13:02		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 13:02		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 13:02		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 13:02		484541	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1601849-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 13:02		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 13:02		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 13:02		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 13:02		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 13:02		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 13:02		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 13:02		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85-122	2/18/16 13:02	
Dibromofluoromethane	96	89-119	2/18/16 13:02	
Toluene-d8	98	87-121	2/18/16 13:02	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Analyzed:**	2/17/16 12:02
Sample Matrix:	Water		

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-10
Lab Code:	RQ1601789-01	**File ID:**	I:\ACQUDATA\msvoa10\data\021716\F6053.D\
Analytical Method:	8260C		
Prep Method:	EPA 5030C		

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1601789-02	I:\ACQUDATA\msvoa10\data\021716\F6051.D\	2/17/16 11:10
TB-021016	R1601321-005	I:\ACQUDATA\msvoa10\data\021716\F6061.D\	2/17/16 15:40
RB-021016	R1601321-004	I:\ACQUDATA\msvoa10\data\021716\F6062.D\	2/17/16 16:04
44204-MW-102A	R1601321-001	I:\ACQUDATA\msvoa10\data\021716\F6063.D\	2/17/16 16:28
44204-MW-111	R1601321-002	I:\ACQUDATA\msvoa10\data\021716\F6064.D\	2/17/16 16:52
FD-021016-01	R1601321-003	I:\ACQUDATA\msvoa10\data\021716\F6065.D\	2/17/16 17:17
44204-MW-106	R1601321-006	I:\ACQUDATA\msvoa10\data\021716\F6066.D\	2/17/16 17:41
44204-MW-106A	R1601321-007	I:\ACQUDATA\msvoa10\data\021716\F6067.D\	2/17/16 18:05
44204-MW-113A	R1601321-008	I:\ACQUDATA\msvoa10\data\021716\F6068.D\	2/17/16 18:29
44204-MW-105A	R1601321-009	I:\ACQUDATA\msvoa10\data\021716\F6069.D\	2/17/16 18:53
44204-MW-105	R1601321-010	I:\ACQUDATA\msvoa10\data\021716\F6070.D\	2/17/16 19:17
44204-MW-109	R1601321-011	I:\ACQUDATA\msvoa10\data\021716\F6071.D\	2/17/16 19:41
44204-MW-2	R1601321-012	I:\ACQUDATA\msvoa10\data\021716\F6072.D\	2/17/16 20:05
44204-MW-2MS	RQ1601789-05	I:\ACQUDATA\msvoa10\data\021716\F6073.D\	2/17/16 20:30
44204-MW-2DMS	RQ1601789-06	I:\ACQUDATA\msvoa10\data\021716\F6074.D\	2/17/16 20:54

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Analyzed:**	2/18/16 13:02
Sample Matrix:	Water		

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Instrument ID:**	R-MS-10
Lab Code:	RQ1601849-01	**File ID:**	I:\ACQUDATA\msvoa10\data\021816\F6087.D\
Analytical Method:	8260C		

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1601849-02	I:\ACQUDATA\msvoa10\data\021816\F6084.D\	2/18/16 11:40
44204-MW-2B	R1601321-013	I:\ACQUDATA\msvoa10\data\021816\F6095.D\	2/18/16 17:13
44204-MW-107A	R1601321-014	I:\ACQUDATA\msvoa10\data\021816\F6096.D\	2/18/16 17:37
44204-TW-5	R1601321-015	I:\ACQUDATA\msvoa10\data\021816\F6097.D\	2/18/16 18:01
44204-MW-1	R1601321-016	I:\ACQUDATA\msvoa10\data\021816\F6098.D\	2/18/16 18:25
44204-MW-1B	R1601321-017	I:\ACQUDATA\msvoa10\data\021816\F6099.D\	2/18/16 18:49
44204-MW-108	R1601321-018	I:\ACQUDATA\msvoa10\data\021816\F6100.D\	2/18/16 19:13
44204-MW-108A	R1601321-019	I:\ACQUDATA\msvoa10\data\021816\F6101.D\	2/18/16 19:37
44204-MW-3B	R1601321-020	I:\ACQUDATA\msvoa10\data\021816\F6102.D\	2/18/16 20:01
44204-MW-3	R1601321-021	I:\ACQUDATA\msvoa10\data\021816\F6103.D\	2/18/16 20:25
44204-MW-4	R1601321-022	I:\ACQUDATA\msvoa10\data\021816\F6104.D\	2/18/16 20:49
44204-MW-4B	R1601321-023	I:\ACQUDATA\msvoa10\data\021816\F6105.D\	2/18/16 21:13
44204-MW-104	R1601321-024	I:\ACQUDATA\msvoa10\data\021816\F6106.D\	2/18/16 21:37
442074-MW-112A	R1601321-025	I:\ACQUDATA\msvoa10\data\021816\F6107.D\	2/18/16 22:01

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QA/QC Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16
Sample Matrix:	Water	**Date Received:**	2/12/16
		Date Analyzed:	2/17/16

Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	44204-MW-2	**Units:**	µg/L
Lab Code:	R1601321-012	**Basis:**	NA

Analytical Method: 8260C
Prep Method: EPA 5030C

		44204-MW-2MS Matrix Spike RQ1601789-05			44204-MW-2DMS Duplicate Matrix Spike RQ1601789-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	ND	52.2	50.0	104	54.5	50.0	109	74 - 127	4	30
1,1,2,2-Tetrachloroethane	ND	43.6	50.0	87	46.5	50.0	93	72 - 122	7	30
1,1,2-Trichloroethane	ND	45.8	50.0	92	47.1	50.0	94	79 - 119	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	51.1	50.0	102	54.2	50.0	108	59 - 131	6	30
1,1-Dichloroethane (1,1-DCA)	ND	54.5	50.0	109	57.5	50.0	115	74 - 132	5	30
1,1-Dichloroethene (1,1-DCE)	ND	50.1	50.0	100	52.8	50.0	106	74 - 139	5	30
1,2,4-Trichlorobenzene	ND	49.4	50.0	99	54.3	50.0	109	56 - 140	10	30
1,2-Dibromo-3-chloropropane (DBC	ND	40.5	50.0	81	45.2	50.0	90	65 - 137	11	30
1,2-Dibromoethane	ND	47.2	50.0	94	48.1	50.0	96	80 - 117	2	30
1,2-Dichlorobenzene	ND	47.1	50.0	94	50.9	50.0	102	77 - 120	8	30
1,2-Dichloroethane	ND	52.6	50.0	105	52.6	50.0	105	68 - 130	<1	30
1,2-Dichloropropane	ND	53.9	50.0	108	54.7	50.0	109	79 - 124	2	30
1,3-Dichlorobenzene	ND	47.8	50.0	96	50.1	50.0	100	74 - 125	5	30
1,4-Dichlorobenzene	ND	46.1	50.0	92	49.4	50.0	99	72 - 124	7	30
2-Butanone (MEK)	ND	40.8	50.0	82	42.7	50.0	85	46 - 141	4	30
2-Hexanone	ND	43.2	50.0	86	45.3	50.0	91	56 - 132	5	30
4-Methyl-2-pentanone	ND	46.1	50.0	92	47.0	50.0	94	60 - 141	2	30
Acetone	ND	40.1	50.0	80	43.1	50.0	86	29 - 151	7	30
Benzene	ND	49.8	50.0	100	51.1	50.0	102	76 - 129	3	30
Bromodichloromethane	ND	45.6	50.0	91	47.2	50.0	94	76 - 127	3	30
Bromoform	ND	43.2	50.0	86	44.5	50.0	89	58 - 133	3	30
Bromomethane	ND	36.8	50.0	74	37.3	50.0	75	10 - 162	1	30
Carbon Disulfide	ND	48.5	50.0	97	51.7	50.0	103	34 - 162	6	30
Carbon Tetrachloride	ND	52.3	50.0	104	53.7	50.0	107	65 - 135	3	30
Chlorobenzene	ND	49.7	50.0	99	50.9	50.0	102	76 - 125	3	30
Chloroethane	ND	55.1	50.0	110	57.9	50.0	116	70 - 140	5	30
Chloroform	ND	48.0	50.0	96	50.2	50.0	100	75 - 130	4	30
Chloromethane	ND	50.7	50.0	101	53.5	50.0	107	55 - 160	5	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16
Sample Matrix:	Water	**Date Received:**	2/12/16
		Date Analyzed:	2/17/16

Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	44204-MW-2	**Units:**	µg/L
Lab Code:	R1601321-012	**Basis:**	NA

Analytical Method: 8260C
Prep Method: EPA 5030C

		44204-MW-2MS Matrix Spike RQ1601789-05			44204-MW-2DMS Duplicate Matrix Spike RQ1601789-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Cyclohexane	ND	47.3	50.0	95	52.4	50.0	105	52 - 145	10	30
Dibromochloromethane	ND	45.0	50.0	90	47.4	50.0	95	72 - 128	5	30
Dichlorodifluoromethane (CFC 12)	ND	53.3	50.0	107	56.4	50.0	113	49 - 154	6	30
Dichloromethane	ND	45.3	50.0	91	45.7	50.0	91	75 - 121	<1	30
Ethylbenzene	ND	50.2	50.0	100	52.6	50.0	105	72 - 134	5	30
Isopropylbenzene (Cumene)	ND	48.3	50.0	97	49.5	50.0	99	76 - 136	3	30
Methyl Acetate	ND	32.1	50.0	64	36.8	50.0	74	36 - 146	14	30
Methyl tert-Butyl Ether	ND	45.3	50.0	91	48.0	50.0	96	74 - 130	6	30
Methylcyclohexane	ND	49.0	50.0	98	54.6	50.0	109	45 - 146	11	30
Styrene	ND	46.3	50.0	93	48.0	50.0	96	34 - 156	4	30
Tetrachloroethene (PCE)	30	81.0	50.0	102	84.0	50.0	108	67 - 137	4	30
Toluene	ND	49.7	50.0	99	50.7	50.0	101	79 - 125	2	30
Trichloroethene (TCE)	ND	51.9	50.0	104	53.4	50.0	107	62 - 142	3	30
Trichlorofluoromethane (CFC 11)	ND	56.7	50.0	113	58.9	50.0	118	72 - 142	4	30
Vinyl Chloride	ND	57.0	50.0	114	60.4	50.0	121	60 - 157	6	30
Xylenes, Total	ND	146	150	97	152	150	101	68 - 137	4	30
cis-1,2-Dichloroethene	2.4	51.2	50.0	98	54.2	50.0	104	72 - 133	6	30
cis-1,3-Dichloropropene	ND	43.9	50.0	88	45.7	50.0	91	52 - 134	4	30
trans-1,2-Dichloroethene	ND	51.3	50.0	103	53.1	50.0	106	77 - 125	3	30
trans-1,3-Dichloropropene	ND	44.6	50.0	89	45.4	50.0	91	50 - 142	2	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: EA Engineering, Science, and Technology (EAEST)
Project: Roxy Cleaners/1490714
Sample Matrix: Water

Service Request: R1601321
Date Analyzed: 2/17/16

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 484304

Lab Control Sample
RQ1601789-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	17.6	20.0	88	74 - 120
1,1,2,2-Tetrachloroethane	18.6	20.0	93	78 - 122
1,1,2-Trichloroethane	19.8	20.0	99	82 - 118
1,1,2-Trichloro-1,2,2-trifluoroethane	17.2	20.0	86	75 - 124
1,1-Dichloroethane (1,1-DCA)	20.4	20.0	102	78 - 117
1,1-Dichloroethene (1,1-DCE)	17.9	20.0	89	74 - 135
1,2,4-Trichlorobenzene	21.0	20.0	105	68 - 147
1,2-Dibromo-3-chloropropane (DBCP)	17.5	20.0	88	55 - 149
1,2-Dibromoethane	19.8	20.0	99	81 - 125
1,2-Dichlorobenzene	19.4	20.0	97	80 - 119
1,2-Dichloroethane	21.6	20.0	108	71 - 127
1,2-Dichloropropane	20.8	20.0	104	80 - 119
1,3-Dichlorobenzene	19.2	20.0	96	79 - 121
1,4-Dichlorobenzene	18.6	20.0	93	79 - 119
2-Butanone (MEK)	18.5	20.0	92	61 - 137
2-Hexanone	18.9	20.0	95	63 - 124
4-Methyl-2-pentanone	19.1	20.0	96	66 - 124
Acetone	21.7	20.0	108	40 - 161
Benzene	18.2	20.0	91	76 - 118
Bromodichloromethane	18.3	20.0	92	78 - 126
Bromoform	17.8	20.0	89	71 - 136
Bromomethane	16.4	20.0	82	42 - 166
Carbon Disulfide	20.0	20.0	100	65 - 127
Carbon Tetrachloride	17.3	20.0	87	68 - 125
Chlorobenzene	18.3	20.0	92	80 - 121
Chloroethane	18.6	20.0	93	70 - 127
Chloroform	18.4	20.0	92	76 - 120
Chloromethane	18.1	20.0	90	69 - 145
Cyclohexane	20.8	20.0	104	63 - 121
Dibromochloromethane	18.7	20.0	94	77 - 128
Dichlorodifluoromethane (CFC 12)	19.1	20.0	96	65 - 152
Dichloromethane	17.5	20.0	87	73 - 122
Ethylbenzene	17.4	20.0	87	76 - 120

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: EA Engineering, Science, and Technology (EAEST)
Project: Roxy Cleaners/1490714
Sample Matrix: Water

Service Request: R1601321
Date Analyzed: 2/17/16

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 484304

Lab Control Sample
RQ1601789-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Isopropylbenzene (Cumene)	16.7	20.0	83	78 - 126
Methyl Acetate	16.2	20.0	81	62 - 131
Methyl tert-Butyl Ether	19.4	20.0	97	78 - 125
Methylcyclohexane	22.7	20.0	113	51 - 129
Styrene	17.7	20.0	89	80 - 124
Tetrachloroethene (PCE)	18.0	20.0	90	78 - 124
Toluene	17.8	20.0	89	77 - 120
Trichloroethene (TCE)	19.4	20.0	97	78 - 123
Trichlorofluoromethane (CFC 11)	19.3	20.0	96	68 - 126
Vinyl Chloride	20.4	20.0	102	69 - 133
Xylenes, Total	53.1	60.0	89	78 - 121
cis-1,2-Dichloroethene	18.4	20.0	92	80 - 121
cis-1,3-Dichloropropene	18.4	20.0	92	74 - 126
trans-1,2-Dichloroethene	18.2	20.0	91	80 - 120
trans-1,3-Dichloropropene	19.3	20.0	96	67 - 135

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: EA Engineering, Science, and Technology (EAEST) **Service Request:** R1601321
Project: Roxy Cleaners/1490714 **Date Analyzed:** 2/18/16
Sample Matrix: Water

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C **Units:** µg/L
Basis: NA

Analysis Lot: 484541

Lab Control Sample
RQ1601849-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	19.0	20.0	95	74 - 120
1,1,2,2-Tetrachloroethane	17.2	20.0	86	78 - 122
1,1,2-Trichloroethane	18.6	20.0	93	82 - 118
1,1,2-Trichloro-1,2,2-trifluoroethane	18.7	20.0	93	75 - 124
1,1-Dichloroethane (1,1-DCA)	20.5	20.0	102	78 - 117
1,1-Dichloroethene (1,1-DCE)	18.4	20.0	92	74 - 135
1,2,4-Trichlorobenzene	19.9	20.0	99	68 - 147
1,2-Dibromo-3-chloropropane (DBCP)	14.3	20.0	72	55 - 149
1,2-Dibromoethane	19.0	20.0	95	81 - 125
1,2-Dichlorobenzene	18.7	20.0	93	80 - 119
1,2-Dichloroethane	20.3	20.0	102	71 - 127
1,2-Dichloropropane	20.7	20.0	103	80 - 119
1,3-Dichlorobenzene	19.0	20.0	95	79 - 121
1,4-Dichlorobenzene	18.3	20.0	91	79 - 119
2-Butanone (MEK)	16.6	20.0	83	61 - 137
2-Hexanone	17.1	20.0	85	63 - 124
4-Methyl-2-pentanone	17.4	20.0	87	66 - 124
Acetone	19.3	20.0	96	40 - 161
Benzene	18.2	20.0	91	76 - 118
Bromodichloromethane	17.8	20.0	89	78 - 126
Bromoform	16.5	20.0	82	71 - 136
Bromomethane	16.3	20.0	81	42 - 166
Carbon Disulfide	15.2	20.0	76	65 - 127
Carbon Tetrachloride	17.6	20.0	88	68 - 125
Chlorobenzene	18.9	20.0	94	80 - 121
Chloroethane	18.3	20.0	92	70 - 127
Chloroform	17.7	20.0	88	76 - 120
Chloromethane	18.8	20.0	94	69 - 145
Cyclohexane	19.9	20.0	99	63 - 121
Dibromochloromethane	18.0	20.0	90	77 - 128
Dichlorodifluoromethane (CFC 12)	19.4	20.0	97	65 - 152
Dichloromethane	17.2	20.0	86	73 - 122
Ethylbenzene	18.7	20.0	93	76 - 120

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: EA Engineering, Science, and Technology (EAEST)
Project: Roxy Cleaners/1490714
Sample Matrix: Water

Service Request: R1601321
Date Analyzed: 2/18/16

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 484541

Lab Control Sample
RQ1601849-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Isopropylbenzene (Cumene)	17.2	20.0	86	78 - 126
Methyl Acetate	15.2	20.0	76	62 - 131
Methyl tert-Butyl Ether	18.4	20.0	92	78 - 125
Methylcyclohexane	21.8	20.0	109	51 - 129
Styrene	17.6	20.0	88	80 - 124
Tetrachloroethene (PCE)	19.0	20.0	95	78 - 124
Toluene	18.0	20.0	90	77 - 120
Trichloroethene (TCE)	19.6	20.0	98	78 - 123
Trichlorofluoromethane (CFC 11)	20.4	20.0	102	68 - 126
Vinyl Chloride	20.8	20.0	104	69 - 133
Xylenes, Total	53.2	60.0	89	78 - 121
cis-1,2-Dichloroethene	18.2	20.0	91	80 - 121
cis-1,3-Dichloropropene	17.4	20.0	87	74 - 126
trans-1,2-Dichloroethene	18.4	20.0	92	80 - 120
trans-1,3-Dichloropropene	17.7	20.0	89	67 - 135

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: EA Engineering, Science, and Technology (EAEST)
Project: Roxy Cleaners/1490714

Service Request: R1601321
Date Analyzed: 02/03/16 12:39

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\020316\F5850.D\
Instrument ID: R-MS-10

Analytical Method: 8260C
Analysis Lot:

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	22.4	28019	Pass
75	95	30	60	48.5	60637	Pass
95	95	100	100	100.0	125093	Pass
96	95	5	9	6.9	8579	Pass
173	174	0	2	0.5	544	Pass
174	95	50	120	82.1	102696	Pass
175	174	5	9	7.5	7704	Pass
176	174	95	101	95.2	97757	Pass
177	176	5	9	6.5	6356	Pass

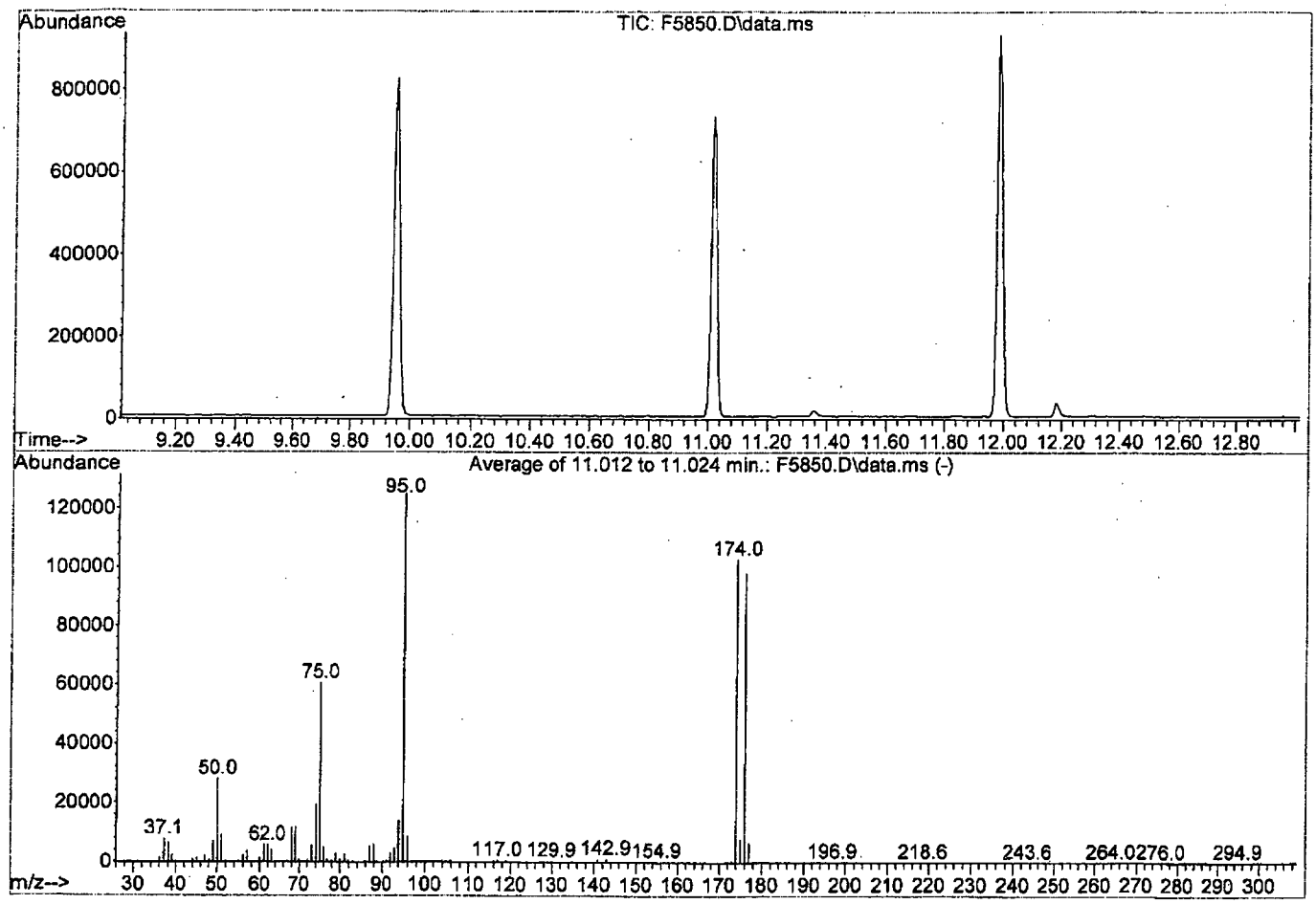
Sample Name	Lab Code	File ID	Date Analyzed	Q
Initial CalibrationICAL	0.5 ppb	I:\ACQUDATA\msvoa10\data\020316\F5852.D\	02/03/16 14:24	
Initial CalibrationICAL	1.0 ppb	I:\ACQUDATA\msvoa10\data\020316\F5853.D\	02/03/16 14:49	
Initial CalibrationICAL	2.0 ppb	I:\ACQUDATA\msvoa10\data\020316\F5854.D\	02/03/16 15:13	
Initial CalibrationICAL	5.0 ppb	I:\ACQUDATA\msvoa10\data\020316\F5855.D\	02/03/16 15:37	
Initial CalibrationICAL	20 ppb	I:\ACQUDATA\msvoa10\data\020316\F5856.D\	02/03/16 16:06	
Initial CalibrationICAL	50 ppb	I:\ACQUDATA\msvoa10\data\020316\F5857.D\	02/03/16 16:30	
Initial CalibrationICAL	100 ppb	I:\ACQUDATA\msvoa10\data\020316\F5858.D\	02/03/16 16:54	
Initial CalibrationICAL	150 ppb	I:\ACQUDATA\msvoa10\data\020316\F5859.D\	02/03/16 17:18	
Initial CalibrationICAL	200 ppb	I:\ACQUDATA\msvoa10\data\020316\F5860.D\	02/03/16 17:43	

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5850.D
Acq On : 3 Feb 2016 12:39 pm
Operator : F. Naegler
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: CPD4.P

FV 2/5/16

Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Title : MS#10 - 8260B WATERS 10mL Purge
Last Update : Tue Jan 19 12:07:22 2016



AutoFind: Scans 1628, 1629, 1630; Background Corrected with Scan 1623

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	28019	PASS
75	95	30	60	48.5	60637	PASS
95	95	100	100	100.0	125093	PASS
96	95	5	9	6.9	8579	PASS
173	174	0.00	2	0.5	544	PASS
174	95	50	120	82.1	102696	PASS
175	174	5	9	7.5	7704	PASS
176	174	95	101	95.2	97757	PASS
177	176	5	9	6.5	6356	PASS

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: EA Engineering, Science, and Technology (EAEST) **Service Request:** R1601321
Project: Roxy Cleaners/1490714 **Date Analyzed:** 2/17/16 09:53

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\021716\F6049.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-10 **Analysis Lot:** 484304

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	24.73	31408	Pass
75	95	30	60	46.74	59365	Pass
95	95	100	100	100.00	127011	Pass
96	95	5	9	6.51	8273	Pass
173	174	0	2	0.72	741	Pass
174	95	50	120	80.54	102296	Pass
175	174	5	9	7.79	7966	Pass
176	174	95	101	97.00	99225	Pass
177	176	5	9	6.85	6794	Pass

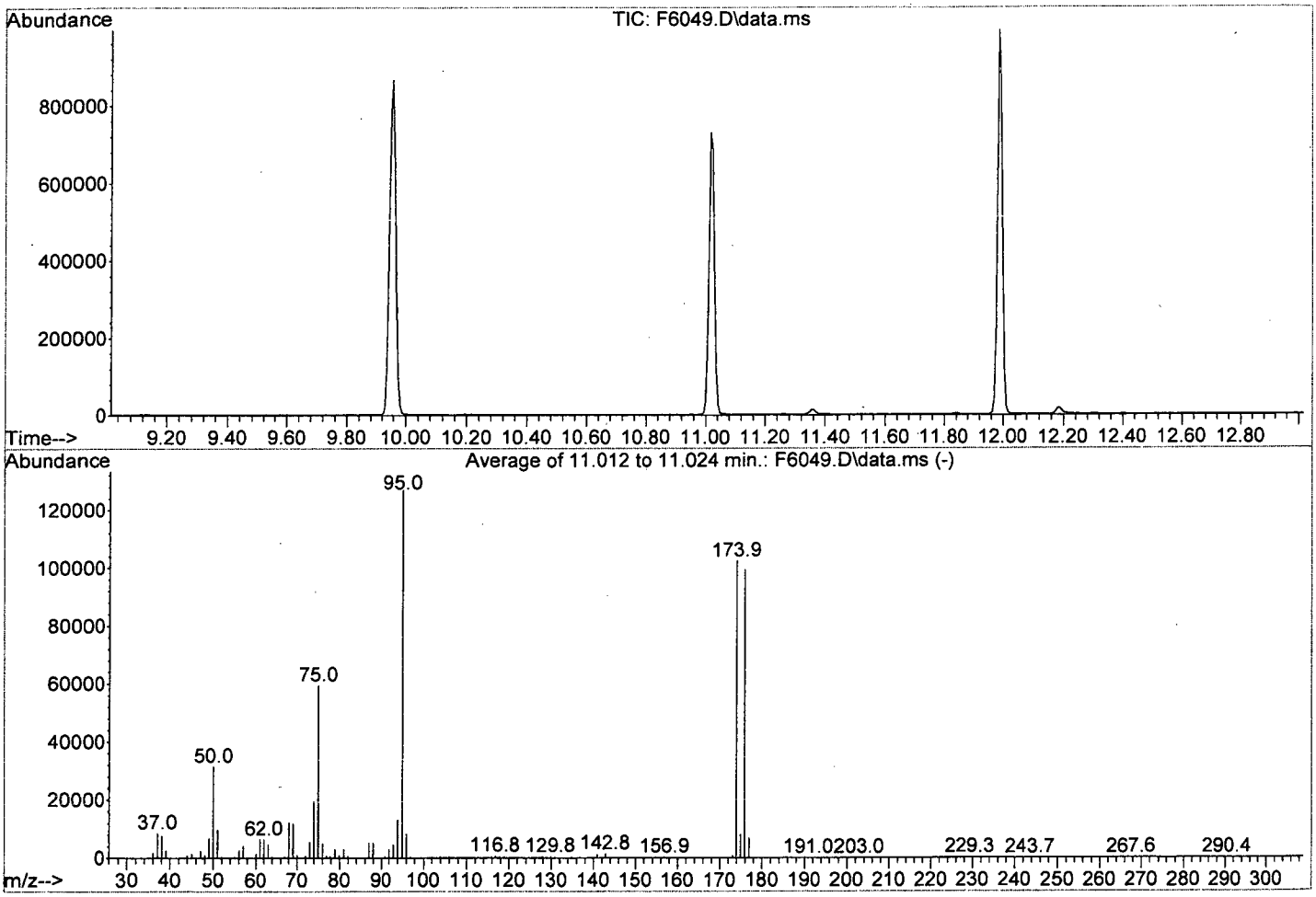
Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	RQ1601789-04	I:\ACQUDATA\msvoa10\data\021716\F6050.D\	2/17/16 10:38	
Lab Control Sample	RQ1601789-02	I:\ACQUDATA\msvoa10\data\021716\F6051.D\	2/17/16 11:10	
Method Blank	RQ1601789-01	I:\ACQUDATA\msvoa10\data\021716\F6053.D\	2/17/16 12:02	
TB-021016	R1601321-005	I:\ACQUDATA\msvoa10\data\021716\F6061.D\	2/17/16 15:40	
RB-021016	R1601321-004	I:\ACQUDATA\msvoa10\data\021716\F6062.D\	2/17/16 16:04	
44204-MW-102A	R1601321-001	I:\ACQUDATA\msvoa10\data\021716\F6063.D\	2/17/16 16:28	
44204-MW-111	R1601321-002	I:\ACQUDATA\msvoa10\data\021716\F6064.D\	2/17/16 16:52	
FD-021016-01	R1601321-003	I:\ACQUDATA\msvoa10\data\021716\F6065.D\	2/17/16 17:17	
44204-MW-106	R1601321-006	I:\ACQUDATA\msvoa10\data\021716\F6066.D\	2/17/16 17:41	
44204-MW-106A	R1601321-007	I:\ACQUDATA\msvoa10\data\021716\F6067.D\	2/17/16 18:05	
44204-MW-113A	R1601321-008	I:\ACQUDATA\msvoa10\data\021716\F6068.D\	2/17/16 18:29	
44204-MW-105A	R1601321-009	I:\ACQUDATA\msvoa10\data\021716\F6069.D\	2/17/16 18:53	
44204-MW-105	R1601321-010	I:\ACQUDATA\msvoa10\data\021716\F6070.D\	2/17/16 19:17	
44204-MW-109	R1601321-011	I:\ACQUDATA\msvoa10\data\021716\F6071.D\	2/17/16 19:41	
44204-MW-2	R1601321-012	I:\ACQUDATA\msvoa10\data\021716\F6072.D\	2/17/16 20:05	
44204-MW-2MS	RQ1601789-05	I:\ACQUDATA\msvoa10\data\021716\F6073.D\	2/17/16 20:30	
44204-MW-2DMS	RQ1601789-06	I:\ACQUDATA\msvoa10\data\021716\F6074.D\	2/17/16 20:54	

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6049.D
Acq On : 17 Feb 2016 9:53 am
Operator : F. Naegler
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

FU 2/17/16

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Title : MS#10 - 8260B WATERS 10mL Purge
Last Update : Fri Feb 05 11:39:51 2016



AutoFind: Scans 1628, 1629, 1630; Background Corrected with Scan 1623

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.7	31408	PASS
75	95	30	60	46.7	59365	PASS
95	95	100	100	100.0	127011	PASS
96	95	5	9	6.5	8273	PASS
173	174	0.00	2	0.7	741	PASS
174	95	50	120	80.5	102296	PASS
175	174	5	9	7.8	7966	PASS
176	174	95	101	97.0	99225	PASS
177	176	5	9	6.8	6794	PASS

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: EA Engineering, Science, and Technology (EAEST) **Service Request:** R1601321
Project: Roxy Cleaners/1490714 **Date Analyzed:** 2/18/16 10:20

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\021816\F6082.D\ **Analytical Method:** 8260C
Instrument ID: R-MS-10 **Analysis Lot:** 484541

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	24.44	32675	Pass
75	95	30	60	46.35	61973	Pass
95	95	100	100	100.00	133697	Pass
96	95	5	9	7.07	9447	Pass
173	174	0	2	1.21	1294	Pass
174	95	50	120	80.27	107317	Pass
175	174	5	9	7.68	8238	Pass
176	174	95	101	95.97	102989	Pass
177	176	5	9	7.12	7329	Pass

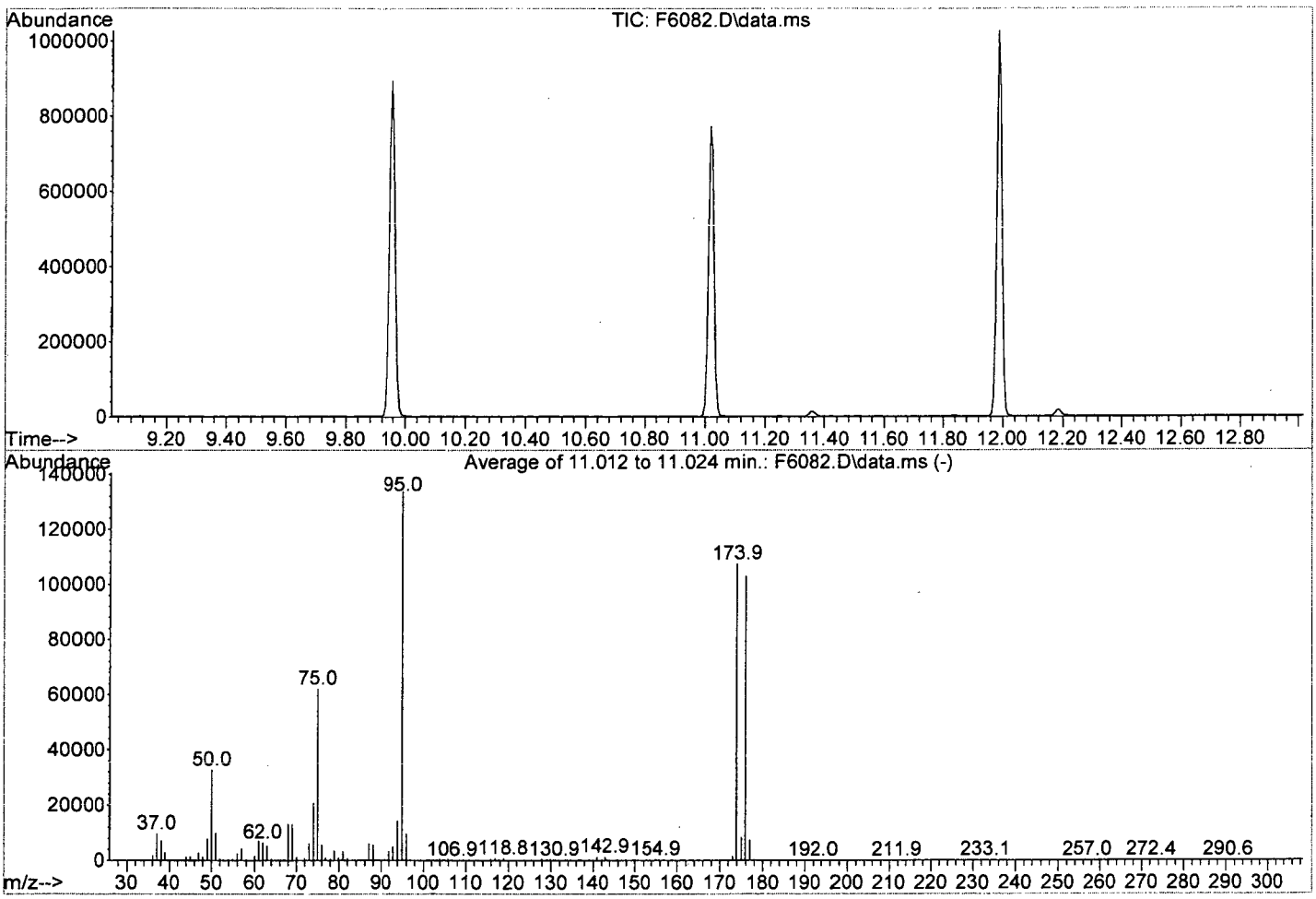
Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	RQ1601849-04	I:\ACQUDATA\msvoa10\data\021816\F6083.D\	2/18/16 10:59	
Lab Control Sample	RQ1601849-02	I:\ACQUDATA\msvoa10\data\021816\F6084.D\	2/18/16 11:40	
Method Blank	RQ1601849-01	I:\ACQUDATA\msvoa10\data\021816\F6087.D\	2/18/16 13:02	
44204-MW-2B	R1601321-013	I:\ACQUDATA\msvoa10\data\021816\F6095.D\	2/18/16 17:13	
44204-MW-107A	R1601321-014	I:\ACQUDATA\msvoa10\data\021816\F6096.D\	2/18/16 17:37	
44204-TW-5	R1601321-015	I:\ACQUDATA\msvoa10\data\021816\F6097.D\	2/18/16 18:01	
44204-MW-1	R1601321-016	I:\ACQUDATA\msvoa10\data\021816\F6098.D\	2/18/16 18:25	
44204-MW-1B	R1601321-017	I:\ACQUDATA\msvoa10\data\021816\F6099.D\	2/18/16 18:49	
44204-MW-108	R1601321-018	I:\ACQUDATA\msvoa10\data\021816\F6100.D\	2/18/16 19:13	
44204-MW-108A	R1601321-019	I:\ACQUDATA\msvoa10\data\021816\F6101.D\	2/18/16 19:37	
44204-MW-3B	R1601321-020	I:\ACQUDATA\msvoa10\data\021816\F6102.D\	2/18/16 20:01	
44204-MW-3	R1601321-021	I:\ACQUDATA\msvoa10\data\021816\F6103.D\	2/18/16 20:25	
44204-MW-4	R1601321-022	I:\ACQUDATA\msvoa10\data\021816\F6104.D\	2/18/16 20:49	
44204-MW-4B	R1601321-023	I:\ACQUDATA\msvoa10\data\021816\F6105.D\	2/18/16 21:13	
44204-MW-104	R1601321-024	I:\ACQUDATA\msvoa10\data\021816\F6106.D\	2/18/16 21:37	
442074-MW-112A	R1601321-025	I:\ACQUDATA\msvoa10\data\021816\F6107.D\	2/18/16 22:01	

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6082.D
Acq On : 18 Feb 2016 10:20 am
Operator : F. Naegler
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

FJ 2/18/16

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Title : MS#10 - 8260B WATERS 10mL Purge
Last Update : Fri Feb 05 11:39:51 2016



AutoFind: Scans 1628, 1629, 1630; Background Corrected with Scan 1623

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.4	32675	PASS
75	95	30	60	46.4	61973	PASS
95	95	100	100	100.0	133697	PASS
96	95	5	9	7.1	9447	PASS
173	174	0.00	2	1.2	1294	PASS
174	95	50	120	80.3	107317	PASS
175	174	5	9	7.7	8238	PASS
176	174	95	101	96.0	102989	PASS
177	176	5	9	7.1	7329	PASS

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: EA Engineering, Science, and Technology (EAEST) **Service Request:** R1601321
Project: Roxy Cleaners/1490714 **Date Analyzed:** 2/17/16 10:38

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\021716\F6050.D\ **Lab Code:** RQ1601789-04
Instrument ID: R-MS-10 **Analysis Lot:** 484304
Analytical Method: 8260C **Signal ID:**

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	RT	Area	RT	Area	RT
	Results ==>	200,413	11.99	406,846	6.71	358,431	9.96
	Upper Limit ==>	400,826	12.49	813,692	7.21	716,862	10.46
	Lower Limit ==>	100,207	11.49	203,423	6.21	179,216	9.46
	ICAL Result ==>	178,315	11.99	387,813	6.71	334,790	9.96
Associated Analyses							
Lab Control Sample	RQ1601789-02	188,999	11.99	401,847	6.71	350,859	9.96
Method Blank	RQ1601789-01	180,760	11.99	393,081	6.71	345,944	9.96
TB-021016	R1601321-005	179,863	11.99	376,630	6.71	333,486	9.96
RB-021016	R1601321-004	180,377	11.99	389,169	6.71	338,406	9.96
44204-MW-102A	R1601321-001	176,019	11.99	382,810	6.71	331,961	9.96
44204-MW-111	R1601321-002	182,091	11.99	396,745	6.71	345,284	9.96
FD-021016-01	R1601321-003	179,913	11.99	384,408	6.71	334,000	9.96
44204-MW-106	R1601321-006	179,015	11.99	386,845	6.71	340,156	9.96
44204-MW-106A	R1601321-007	179,093	11.99	392,691	6.71	345,412	9.96
44204-MW-113A	R1601321-008	174,841	11.99	375,079	6.71	327,897	9.96
44204-MW-105A	R1601321-009	188,857	11.99	399,152	6.71	352,992	9.96
44204-MW-105	R1601321-010	174,033	11.99	369,474	6.71	322,071	9.96
44204-MW-109	R1601321-011	179,556	11.99	394,416	6.71	342,994	9.96
44204-MW-2	R1601321-012	185,386	11.99	402,508	6.71	349,336	9.96
44204-MW-2MS	RQ1601789-05	193,377	11.99	399,481	6.71	347,724	9.96
44204-MW-2DMS	RQ1601789-06	188,306	11.99	397,725	6.71	344,632	9.96

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: EA Engineering, Science, and Technology (EAEST)
Project: Roxy Cleaners/1490714

Service Request: R1601321
Date Analyzed: 2/17/16 10:38

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\021716\F6050.D\
Instrument ID: R-MS-10
Analytical Method: 8260C

Lab Code: RQ1601789-04
Analysis Lot: 484304
Signal ID:

		Pentafluorobenzene	
		Area	**RT**
	Results ==>	279,721	5.67
	Upper Limit ==>	559,442	6.17
	Lower Limit ==>	139,861	5.17
	ICAL Result ==>	278,243	5.67
Associated Analyses			
Lab Control Sample	RQ1601789-02	281,631	5.67
Method Blank	RQ1601789-01	274,722	5.66
TB-021016	R1601321-005	264,861	5.67
RB-021016	R1601321-004	273,985	5.67
44204-MW-102A	R1601321-001	268,413	5.67
44204-MW-111	R1601321-002	274,928	5.67
FD-021016-01	R1601321-003	269,392	5.67
44204-MW-106	R1601321-006	270,684	5.67
44204-MW-106A	R1601321-007	274,446	5.67
44204-MW-113A	R1601321-008	258,976	5.67
44204-MW-105A	R1601321-009	279,831	5.67
44204-MW-105	R1601321-010	253,222	5.67
44204-MW-109	R1601321-011	274,168	5.67
44204-MW-2	R1601321-012	277,321	5.66
44204-MW-2MS	RQ1601789-05	279,845	5.67
44204-MW-2DMS	RQ1601789-06	272,528	5.67

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: EA Engineering, Science, and Technology (EAEST) **Service Request:** R1601321
Project: Roxy Cleaners/1490714 **Date Analyzed:** 2/18/16 10:59

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\021816\F6083.D\ **Lab Code:** RQ1601849-04
Instrument ID: R-MS-10 **Analysis Lot:** 484541
Analytical Method: 8260C **Signal ID:**

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		Area	RT	Area	RT	Area	RT
	Results ==>	207,500	11.99	417,759	6.71	373,664	9.96
	Upper Limit ==>	415,000	12.49	835,518	7.21	747,328	10.46
	Lower Limit ==>	103,750	11.49	208,880	6.21	186,832	9.46
	ICAL Result ==>	178,315	11.99	387,813	6.71	334,790	9.96
Associated Analyses							
Lab Control Sample	RQ1601849-02	207,137	11.99	443,225	6.71	382,928	9.96
Method Blank	RQ1601849-01	188,755	11.99	413,549	6.71	359,132	9.96
44204-MW-2B	R1601321-013	184,861	11.99	396,960	6.71	344,599	9.96
44204-MW-107A	R1601321-014	181,075	11.99	392,358	6.71	337,453	9.96
44204-TW-5	R1601321-015	179,254	11.99	384,242	6.71	337,518	9.96
44204-MW-1	R1601321-016	182,142	11.99	395,233	6.71	345,201	9.96
44204-MW-1B	R1601321-017	179,223	11.99	391,446	6.71	343,678	9.96
44204-MW-108	R1601321-018	187,616	11.99	397,085	6.71	352,856	9.96
44204-MW-108A	R1601321-019	182,464	11.99	392,805	6.71	340,985	9.96
44204-MW-3B	R1601321-020	187,053	11.99	404,849	6.71	349,501	9.96
44204-MW-3	R1601321-021	177,690	11.99	388,944	6.71	338,663	9.96
44204-MW-4	R1601321-022	172,642	11.99	372,465	6.71	326,482	9.96
44204-MW-4B	R1601321-023	182,976	11.99	391,362	6.71	346,474	9.96
44204-MW-104	R1601321-024	180,877	11.99	384,357	6.71	339,192	9.96
442074-MW-112A	R1601321-025	172,974	11.99	368,318	6.71	327,283	9.96

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: EA Engineering, Science, and Technology (EAEST)
Project: Roxy Cleaners/1490714

Service Request: R1601321
Date Analyzed: 2/18/16 10:59

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\021816\F6083.D\
Instrument ID: R-MS-10
Analytical Method: 8260C

Lab Code: RQ1601849-04
Analysis Lot: 484541
Signal ID:

		Pentafluorobenzene	
		Area	**RT**
	Results ==>	293,056	5.66
	Upper Limit ==>	586,112	6.16
	Lower Limit ==>	146,528	5.16
	ICAL Result ==>	278,243	5.67
Associated Analyses			
Lab Control Sample	RQ1601849-02	304,963	5.66
Method Blank	RQ1601849-01	287,303	5.67
44204-MW-2B	R1601321-013	275,474	5.66
44204-MW-107A	R1601321-014	270,720	5.66
44204-TW-5	R1601321-015	273,592	5.67
44204-MW-1	R1601321-016	274,663	5.66
44204-MW-1B	R1601321-017	274,886	5.67
44204-MW-108	R1601321-018	276,529	5.66
44204-MW-108A	R1601321-019	270,326	5.66
44204-MW-3B	R1601321-020	281,836	5.67
44204-MW-3	R1601321-021	271,740	5.67
44204-MW-4	R1601321-022	261,098	5.67
44204-MW-4B	R1601321-023	276,725	5.66
44204-MW-104	R1601321-024	272,818	5.67
442074-MW-112A	R1601321-025	260,694	5.66

Results flagged with an asterisk (*) indicate values outside control criteria.

RAW DATA

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GC/MS VOA

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Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1158
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-102A	**Units:**	µg/L
Lab Code:	R1601321-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 16:28		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 16:28		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 16:28		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 16:28		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 16:28		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 16:28		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 16:28		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 16:28		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 16:28		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 16:28		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 16:28		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 16:28		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 16:28		484304	
Acetone	10	U	10	1.3	1	NA	2/17/16 16:28		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 16:28		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 16:28		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 16:28		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 16:28		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 16:28		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 16:28		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 16:28		484304	
Chloroform	**2.8**	J	5.0	0.25	1	NA	2/17/16 16:28		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 16:28		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 16:28		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 16:28		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 16:28		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 16:28		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 16:28		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 16:28		484304	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1158
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-102A	**Units:**	µg/L
Lab Code:	R1601321-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 16:28		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
Tetrachloroethene (PCE)	**1.0**	J	5.0	0.30	1	NA	2/17/16 16:28		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 16:28		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 16:28		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 16:28		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 16:28		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 16:28		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 16:28		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 16:28		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	2/17/16 16:28	
Dibromofluoromethane	98	89-119	2/17/16 16:28	
Toluene-d8	99	87-121	2/17/16 16:28	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1215
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-111	**Units:**	µg/L
Lab Code:	R1601321-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 16:52		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 16:52		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 16:52		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 16:52		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 16:52		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 16:52		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 16:52		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 16:52		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 16:52		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 16:52		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 16:52		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 16:52		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 16:52		484304	
Acetone	10	U	10	1.3	1	NA	2/17/16 16:52		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 16:52		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 16:52		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 16:52		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 16:52		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 16:52		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 16:52		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 16:52		484304	
Chloroform	**1.1**	J	5.0	0.25	1	NA	2/17/16 16:52		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 16:52		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 16:52		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 16:52		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 16:52		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 16:52		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 16:52		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 16:52		484304	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1215
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-111	**Units:**	µg/L
Lab Code:	R1601321-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 16:52		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
Tetrachloroethene (PCE)	**3.9**	J	5.0	0.30	1	NA	2/17/16 16:52		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 16:52		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 16:52		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 16:52		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 16:52		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 16:52		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 16:52		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 16:52		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85-122	2/17/16 16:52	
Dibromofluoromethane	99	89-119	2/17/16 16:52	
Toluene-d8	101	87-121	2/17/16 16:52	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	FD-021016-01	**Units:**	µg/L
Lab Code:	R1601321-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 17:17		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 17:17		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 17:17		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 17:17		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 17:17		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 17:17		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 17:17		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 17:17		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 17:17		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 17:17		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 17:17		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 17:17		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 17:17		484304	
Acetone	10	U	10	1.3	1	NA	2/17/16 17:17		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 17:17		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 17:17		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 17:17		484304	
Carbon Disulfide	**1.4**	J	10	0.22	1	NA	2/17/16 17:17		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 17:17		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 17:17		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 17:17		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 17:17		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 17:17		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 17:17		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 17:17		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 17:17		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 17:17		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 17:17		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 17:17		484304	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	FD-021016-01	**Units:**	µg/L
Lab Code:	R1601321-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 17:17		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/17/16 17:17		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 17:17		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	
Vinyl Chloride	**0.70**	J	5.0	0.32	1	NA	2/17/16 17:17		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 17:17		484304	
cis-1,2-Dichloroethene	**4.2**	J	5.0	0.30	1	NA	2/17/16 17:17		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 17:17		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 17:17		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 17:17		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85-122	2/17/16 17:17	
Dibromofluoromethane	99	89-119	2/17/16 17:17	
Toluene-d8	101	87-121	2/17/16 17:17	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1530
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	RB-021016	**Units:**	µg/L
Lab Code:	R1601321-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 16:04		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 16:04		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 16:04		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 16:04		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 16:04		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 16:04		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 16:04		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 16:04		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 16:04		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 16:04		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 16:04		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 16:04		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 16:04		484304	
Acetone	10	U	10	1.3	1	NA	2/17/16 16:04		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 16:04		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 16:04		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 16:04		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 16:04		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 16:04		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 16:04		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 16:04		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 16:04		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 16:04		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 16:04		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 16:04		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 16:04		484304	
Dichloromethane	**1.3**	J	5.0	0.60	1	NA	2/17/16 16:04		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 16:04		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 16:04		484304	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1530
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	RB-021016	**Units:**	µg/L
Lab Code:	R1601321-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 16:04		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/17/16 16:04		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 16:04		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 16:04		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 16:04		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 16:04		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 16:04		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 16:04		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 16:04		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85-122	2/17/16 16:04	
Dibromofluoromethane	95	89-119	2/17/16 16:04	
Toluene-d8	98	87-121	2/17/16 16:04	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	TB-021016	**Units:**	µg/L
Lab Code:	R1601321-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 15:40		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 15:40		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 15:40		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 15:40		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 15:40		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 15:40		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 15:40		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 15:40		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 15:40		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 15:40		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 15:40		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 15:40		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 15:40		484304	
Acetone	10	U	10	1.3	1	NA	2/17/16 15:40		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 15:40		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 15:40		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 15:40		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 15:40		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 15:40		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 15:40		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 15:40		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 15:40		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 15:40		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 15:40		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 15:40		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 15:40		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 15:40		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 15:40		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 15:40		484304	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	TB-021016	**Units:**	µg/L
Lab Code:	R1601321-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 15:40		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/17/16 15:40		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 15:40		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 15:40		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 15:40		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 15:40		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 15:40		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 15:40		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 15:40		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85-122	2/17/16 15:40	
Dibromofluoromethane	100	89-119	2/17/16 15:40	
Toluene-d8	102	87-121	2/17/16 15:40	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1350
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-106	**Units:**	µg/L
Lab Code:	R1601321-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 17:41		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 17:41		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 17:41		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 17:41		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 17:41		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 17:41		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 17:41		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 17:41		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 17:41		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 17:41		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 17:41		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 17:41		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 17:41		484304	
Acetone	**24**		10	1.3	1	NA	2/17/16 17:41		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 17:41		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 17:41		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 17:41		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 17:41		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 17:41		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 17:41		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 17:41		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 17:41		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 17:41		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 17:41		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 17:41		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 17:41		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 17:41		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 17:41		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 17:41		484304	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1350
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-106	**Units:**	µg/L
Lab Code:	R1601321-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 17:41		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/17/16 17:41		484304	
Toluene	**0.33**	J	5.0	0.20	1	NA	2/17/16 17:41		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 17:41		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 17:41		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 17:41		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 17:41		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 17:41		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 17:41		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 17:41		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85-122	2/17/16 17:41	
Dibromofluoromethane	100	89-119	2/17/16 17:41	
Toluene-d8	101	87-121	2/17/16 17:41	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1403
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-106A	**Units:**	µg/L
Lab Code:	R1601321-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 18:05		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 18:05		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 18:05		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 18:05		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 18:05		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 18:05		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 18:05		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 18:05		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 18:05		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 18:05		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 18:05		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 18:05		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 18:05		484304	
Acetone	10	U	10	1.3	1	NA	2/17/16 18:05		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 18:05		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 18:05		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 18:05		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 18:05		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 18:05		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 18:05		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 18:05		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 18:05		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 18:05		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 18:05		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 18:05		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 18:05		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 18:05		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 18:05		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 18:05		484304	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1403
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-106A	**Units:**	µg/L
Lab Code:	R1601321-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 18:05		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/17/16 18:05		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 18:05		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 18:05		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 18:05		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 18:05		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 18:05		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 18:05		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 18:05		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	2/17/16 18:05	
Dibromofluoromethane	100	89-119	2/17/16 18:05	
Toluene-d8	101	87-121	2/17/16 18:05	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1545
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-113A	**Units:**	µg/L
Lab Code:	R1601321-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 18:29		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 18:29		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 18:29		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 18:29		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 18:29		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 18:29		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 18:29		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 18:29		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 18:29		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 18:29		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 18:29		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 18:29		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 18:29		484304	
Acetone	**1.7**	J	10	1.3	1	NA	2/17/16 18:29		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 18:29		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 18:29		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 18:29		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 18:29		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 18:29		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 18:29		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 18:29		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 18:29		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 18:29		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 18:29		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 18:29		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 18:29		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 18:29		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 18:29		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 18:29		484304	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1545
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-113A	**Units:**	µg/L
Lab Code:	R1601321-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 18:29		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/17/16 18:29		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 18:29		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 18:29		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 18:29		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 18:29		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 18:29		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 18:29		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 18:29		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85-122	2/17/16 18:29	
Dibromofluoromethane	96	89-119	2/17/16 18:29	
Toluene-d8	99	87-121	2/17/16 18:29	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1624
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-105A	**Units:**	µg/L
Lab Code:	R1601321-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 18:53		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 18:53		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 18:53		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 18:53		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 18:53		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 18:53		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 18:53		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 18:53		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 18:53		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 18:53		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 18:53		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 18:53		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 18:53		484304	
Acetone	10	U	10	1.3	1	NA	2/17/16 18:53		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 18:53		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 18:53		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 18:53		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 18:53		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 18:53		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 18:53		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 18:53		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 18:53		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 18:53		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 18:53		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 18:53		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 18:53		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 18:53		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 18:53		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 18:53		484304	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1624
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-105A	**Units:**	µg/L
Lab Code:	R1601321-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 18:53		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/17/16 18:53		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 18:53		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 18:53		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 18:53		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 18:53		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 18:53		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 18:53		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 18:53		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85-122	2/17/16 18:53	
Dibromofluoromethane	97	89-119	2/17/16 18:53	
Toluene-d8	98	87-121	2/17/16 18:53	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1720
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-105	**Units:**	µg/L
Lab Code:	R1601321-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 19:17		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 19:17		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 19:17		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 19:17		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 19:17		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 19:17		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 19:17		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 19:17		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 19:17		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 19:17		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 19:17		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 19:17		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 19:17		484304	
Acetone	**1.6**	J	10	1.3	1	NA	2/17/16 19:17		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 19:17		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 19:17		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 19:17		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 19:17		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 19:17		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 19:17		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 19:17		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 19:17		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 19:17		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 19:17		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 19:17		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 19:17		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 19:17		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 19:17		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 19:17		484304	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1720
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-105	**Units:**	µg/L
Lab Code:	R1601321-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 19:17		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
Tetrachloroethene (PCE)	**1.5**	J	5.0	0.30	1	NA	2/17/16 19:17		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
Trichloroethene (TCE)	**0.73**	J	5.0	0.22	1	NA	2/17/16 19:17		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 19:17		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 19:17		484304	
cis-1,2-Dichloroethene	**0.58**	J	5.0	0.30	1	NA	2/17/16 19:17		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 19:17		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 19:17		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 19:17		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85-122	2/17/16 19:17	
Dibromofluoromethane	98	89-119	2/17/16 19:17	
Toluene-d8	99	87-121	2/17/16 19:17	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 0830
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-109	**Units:**	µg/L
Lab Code:	R1601321-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 19:41		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 19:41		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 19:41		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 19:41		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 19:41		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 19:41		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 19:41		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 19:41		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 19:41		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 19:41		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 19:41		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 19:41		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 19:41		484304	
Acetone	**5.9**	J	10	1.3	1	NA	2/17/16 19:41		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 19:41		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 19:41		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 19:41		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 19:41		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 19:41		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 19:41		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 19:41		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 19:41		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 19:41		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 19:41		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 19:41		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 19:41		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 19:41		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 19:41		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 19:41		484304	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 0830
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-109	**Units:**	µg/L
Lab Code:	R1601321-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 19:41		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/17/16 19:41		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 19:41		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 19:41		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 19:41		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 19:41		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 19:41		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 19:41		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 19:41		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85-122	2/17/16 19:41	
Dibromofluoromethane	98	89-119	2/17/16 19:41	
Toluene-d8	99	87-121	2/17/16 19:41	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 0925
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-2	**Units:**	µg/L
Lab Code:	R1601321-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 20:05		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 20:05		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 20:05		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 20:05		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 20:05		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 20:05		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 20:05		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 20:05		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 20:05		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 20:05		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 20:05		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 20:05		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 20:05		484304	
Acetone	10	U	10	1.3	1	NA	2/17/16 20:05		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 20:05		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 20:05		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 20:05		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 20:05		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 20:05		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 20:05		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 20:05		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 20:05		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 20:05		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 20:05		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 20:05		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 20:05		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 20:05		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 20:05		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 20:05		484304	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 0925
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-2	**Units:**	µg/L
Lab Code:	R1601321-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 20:05		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
Tetrachloroethene (PCE)	**30**		5.0	0.30	1	NA	2/17/16 20:05		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 20:05		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 20:05		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 20:05		484304	
cis-1,2-Dichloroethene	**2.4**	J	5.0	0.30	1	NA	2/17/16 20:05		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 20:05		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 20:05		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 20:05		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85-122	2/17/16 20:05	
Dibromofluoromethane	93	89-119	2/17/16 20:05	
Toluene-d8	96	87-121	2/17/16 20:05	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 0925
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-2B	**Units:**	µg/L
Lab Code:	R1601321-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 17:13		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 17:13		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 17:13		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 17:13		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 17:13		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 17:13		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 17:13		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 17:13		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 17:13		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 17:13		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 17:13		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 17:13		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 17:13		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 17:13		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 17:13		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 17:13		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 17:13		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 17:13		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 17:13		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 17:13		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 17:13		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 17:13		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 17:13		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 17:13		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 17:13		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 17:13		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 17:13		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 17:13		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 17:13		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 17:13		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 0925
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-2B	**Units:**	µg/L
Lab Code:	R1601321-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 17:13		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 17:13		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	
Vinyl Chloride	**0.66**	J	5.0	0.32	1	NA	2/18/16 17:13		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 17:13		484541	
cis-1,2-Dichloroethene	**4.2**	J	5.0	0.30	1	NA	2/18/16 17:13		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 17:13		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 17:13		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 17:13		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85-122	2/18/16 17:13	
Dibromofluoromethane	99	89-119	2/18/16 17:13	
Toluene-d8	100	87-121	2/18/16 17:13	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1025
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-107A	**Units:**	µg/L
Lab Code:	R1601321-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 17:37		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 17:37		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 17:37		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 17:37		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 17:37		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 17:37		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 17:37		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 17:37		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 17:37		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 17:37		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 17:37		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 17:37		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 17:37		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 17:37		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 17:37		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 17:37		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 17:37		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 17:37		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 17:37		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 17:37		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 17:37		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 17:37		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 17:37		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 17:37		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 17:37		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 17:37		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 17:37		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 17:37		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 17:37		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 17:37		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1025
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-107A	**Units:**	µg/L
Lab Code:	R1601321-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
Tetrachloroethene (PCE)	**15**		5.0	0.30	1	NA	2/18/16 17:37		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
Trichloroethene (TCE)	**1.9**	J	5.0	0.22	1	NA	2/18/16 17:37		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 17:37		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 17:37		484541	
cis-1,2-Dichloroethene	**1.3**	J	5.0	0.30	1	NA	2/18/16 17:37		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 17:37		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 17:37		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 17:37		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	2/18/16 17:37	
Dibromofluoromethane	99	89-119	2/18/16 17:37	
Toluene-d8	99	87-121	2/18/16 17:37	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1047
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-TW-5	**Units:**	µg/L
Lab Code:	R1601321-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 18:01		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 18:01		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 18:01		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 18:01		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 18:01		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 18:01		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 18:01		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 18:01		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 18:01		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 18:01		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 18:01		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 18:01		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 18:01		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 18:01		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 18:01		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 18:01		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 18:01		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 18:01		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 18:01		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 18:01		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 18:01		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 18:01		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 18:01		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 18:01		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 18:01		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 18:01		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 18:01		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 18:01		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 18:01		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 18:01		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 1047
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-TW-5	**Units:**	µg/L
Lab Code:	R1601321-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
Tetrachloroethene (PCE)	**26**		5.0	0.30	1	NA	2/18/16 18:01		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
Trichloroethene (TCE)	**1.9**	J	5.0	0.22	1	NA	2/18/16 18:01		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 18:01		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 18:01		484541	
cis-1,2-Dichloroethene	**0.99**	J	5.0	0.30	1	NA	2/18/16 18:01		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 18:01		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 18:01		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 18:01		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85-122	2/18/16 18:01	
Dibromofluoromethane	97	89-119	2/18/16 18:01	
Toluene-d8	98	87-121	2/18/16 18:01	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 8/16 1608
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-1	**Units:**	µg/L
Lab Code:	R1601321-016	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 18:25		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 18:25		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 18:25		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 18:25		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 18:25		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 18:25		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 18:25		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 18:25		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 18:25		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 18:25		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 18:25		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 18:25		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 18:25		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 18:25		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 18:25		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 18:25		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 18:25		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 18:25		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 18:25		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 18:25		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 18:25		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 18:25		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 18:25		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 18:25		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 18:25		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 18:25		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 18:25		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 18:25		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 18:25		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 18:25		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 8/16 1608
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-1	**Units:**	µg/L
Lab Code:	R1601321-016	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 18:25		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 18:25		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 18:25		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 18:25		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 18:25		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 18:25		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 18:25		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 18:25		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	2/18/16 18:25	
Dibromofluoromethane	99	89-119	2/18/16 18:25	
Toluene-d8	101	87-121	2/18/16 18:25	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 8/16 1658
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-1B	**Units:**	µg/L
Lab Code:	R1601321-017	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 18:49		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 18:49		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 18:49		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 18:49		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 18:49		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 18:49		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 18:49		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 18:49		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 18:49		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 18:49		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 18:49		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 18:49		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 18:49		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 18:49		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 18:49		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 18:49		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 18:49		484541	
Carbon Disulfide	**1.8**	J	10	0.22	1	NA	2/18/16 18:49		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 18:49		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 18:49		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 18:49		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 18:49		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 18:49		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 18:49		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 18:49		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 18:49		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 18:49		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 18:49		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 18:49		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 18:49		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 8/16 1658
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-1B	**Units:**	µg/L
Lab Code:	R1601321-017	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 18:49		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 18:49		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 18:49		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 18:49		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 18:49		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 18:49		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 18:49		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 18:49		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85-122	2/18/16 18:49	
Dibromofluoromethane	98	89-119	2/18/16 18:49	
Toluene-d8	100	87-121	2/18/16 18:49	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 0850
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-108	**Units:**	µg/L
Lab Code:	R1601321-018	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 19:13		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 19:13		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 19:13		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 19:13		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 19:13		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 19:13		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 19:13		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 19:13		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 19:13		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 19:13		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 19:13		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 19:13		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 19:13		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 19:13		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 19:13		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 19:13		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 19:13		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 19:13		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 19:13		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 19:13		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 19:13		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 19:13		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 19:13		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 19:13		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 19:13		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 19:13		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 19:13		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 19:13		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 19:13		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 19:13		484541	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 0850
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-108	**Units:**	µg/L
Lab Code:	R1601321-018	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
Tetrachloroethene (PCE)	**0.97**	J	5.0	0.30	1	NA	2/18/16 19:13		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 19:13		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 19:13		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 19:13		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 19:13		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 19:13		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 19:13		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 19:13		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	2/18/16 19:13	
Dibromofluoromethane	98	89-119	2/18/16 19:13	
Toluene-d8	98	87-121	2/18/16 19:13	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 0856
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-108A	**Units:**	µg/L
Lab Code:	R1601321-019	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 19:37		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 19:37		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 19:37		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 19:37		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 19:37		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 19:37		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 19:37		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 19:37		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 19:37		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 19:37		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 19:37		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 19:37		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 19:37		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 19:37		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 19:37		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 19:37		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 19:37		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 19:37		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 19:37		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 19:37		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 19:37		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 19:37		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 19:37		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 19:37		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 19:37		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 19:37		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 19:37		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 19:37		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 19:37		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 19:37		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 0856
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-108A	**Units:**	µg/L
Lab Code:	R1601321-019	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 19:37		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 19:37		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 19:37		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 19:37		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 19:37		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 19:37		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 19:37		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 19:37		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	2/18/16 19:37	
Dibromofluoromethane	98	89-119	2/18/16 19:37	
Toluene-d8	97	87-121	2/18/16 19:37	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 0943
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-3B	**Units:**	µg/L
Lab Code:	R1601321-020	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 20:01		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 20:01		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 20:01		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 20:01		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 20:01		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 20:01		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 20:01		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 20:01		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 20:01		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 20:01		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 20:01		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 20:01		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 20:01		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 20:01		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 20:01		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 20:01		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 20:01		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 20:01		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 20:01		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 20:01		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 20:01		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 20:01		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 20:01		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 20:01		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 20:01		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 20:01		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 20:01		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 20:01		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 20:01		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 20:01		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 0943
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-3B	**Units:**	µg/L
Lab Code:	R1601321-020	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 20:01		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 20:01		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	
Vinyl Chloride	**0.55**	J	5.0	0.32	1	NA	2/18/16 20:01		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 20:01		484541	
cis-1,2-Dichloroethene	**0.68**	J	5.0	0.30	1	NA	2/18/16 20:01		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 20:01		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 20:01		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 20:01		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85-122	2/18/16 20:01	
Dibromofluoromethane	95	89-119	2/18/16 20:01	
Toluene-d8	96	87-121	2/18/16 20:01	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 0945
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-3	**Units:**	µg/L
Lab Code:	R1601321-021	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 20:25		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 20:25		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 20:25		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 20:25		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 20:25		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 20:25		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 20:25		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 20:25		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 20:25		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 20:25		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 20:25		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 20:25		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 20:25		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 20:25		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 20:25		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 20:25		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 20:25		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 20:25		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 20:25		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 20:25		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 20:25		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 20:25		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 20:25		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 20:25		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 20:25		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 20:25		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 20:25		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 20:25		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 20:25		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 20:25		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 0945
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-3	**Units:**	µg/L
Lab Code:	R1601321-021	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 20:25		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 20:25		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 20:25		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 20:25		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 20:25		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 20:25		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 20:25		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 20:25		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85-122	2/18/16 20:25	
Dibromofluoromethane	98	89-119	2/18/16 20:25	
Toluene-d8	99	87-121	2/18/16 20:25	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1040
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-4	**Units:**	µg/L
Lab Code:	R1601321-022	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 20:49		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 20:49		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 20:49		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 20:49		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 20:49		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 20:49		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 20:49		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 20:49		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 20:49		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 20:49		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 20:49		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 20:49		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 20:49		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 20:49		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 20:49		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 20:49		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 20:49		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 20:49		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 20:49		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 20:49		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 20:49		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 20:49		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 20:49		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 20:49		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 20:49		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 20:49		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 20:49		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 20:49		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 20:49		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 20:49		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1040
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-4	**Units:**	µg/L
Lab Code:	R1601321-022	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 20:49		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 20:49		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 20:49		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 20:49		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 20:49		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 20:49		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 20:49		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 20:49		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85-122	2/18/16 20:49	
Dibromofluoromethane	97	89-119	2/18/16 20:49	
Toluene-d8	97	87-121	2/18/16 20:49	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1122
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-4B	**Units:**	µg/L
Lab Code:	R1601321-023	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 21:13		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 21:13		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 21:13		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 21:13		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 21:13		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 21:13		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 21:13		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 21:13		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 21:13		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 21:13		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 21:13		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 21:13		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 21:13		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 21:13		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 21:13		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 21:13		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 21:13		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 21:13		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 21:13		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 21:13		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 21:13		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 21:13		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 21:13		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 21:13		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 21:13		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 21:13		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 21:13		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 21:13		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 21:13		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 21:13		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1122
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-4B	**Units:**	µg/L
Lab Code:	R1601321-023	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 21:13		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 21:13		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 21:13		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 21:13		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 21:13		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 21:13		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 21:13		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 21:13		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85-122	2/18/16 21:13	
Dibromofluoromethane	99	89-119	2/18/16 21:13	
Toluene-d8	102	87-121	2/18/16 21:13	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1300
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-104	**Units:**	µg/L
Lab Code:	R1601321-024	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 21:37		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 21:37		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 21:37		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 21:37		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 21:37		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 21:37		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 21:37		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 21:37		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 21:37		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 21:37		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 21:37		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 21:37		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 21:37		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 21:37		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 21:37		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 21:37		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 21:37		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 21:37		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 21:37		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 21:37		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 21:37		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 21:37		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 21:37		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 21:37		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 21:37		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 21:37		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 21:37		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 21:37		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 21:37		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 21:37		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1300
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-104	**Units:**	µg/L
Lab Code:	R1601321-024	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 21:37		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 21:37		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 21:37		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 21:37		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 21:37		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 21:37		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 21:37		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 21:37		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85-122	2/18/16 21:37	
Dibromofluoromethane	100	89-119	2/18/16 21:37	
Toluene-d8	101	87-121	2/18/16 21:37	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1315
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	442074-MW-112A	**Units:**	µg/L
Lab Code:	R1601321-025	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 22:01		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 22:01		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 22:01		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 22:01		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 22:01		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 22:01		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 22:01		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 22:01		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 22:01		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 22:01		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 22:01		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 22:01		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 22:01		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 22:01		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 22:01		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 22:01		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 22:01		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 22:01		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 22:01		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 22:01		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 22:01		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 22:01		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 22:01		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 22:01		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 22:01		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 22:01		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 22:01		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 22:01		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 22:01		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 22:01		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/ 9/16 1315
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	442074-MW-112A	**Units:**	µg/L
Lab Code:	R1601321-025	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 22:01		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 22:01		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 22:01		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 22:01		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 22:01		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 22:01		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 22:01		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 22:01		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	2/18/16 22:01	
Dibromofluoromethane	100	89-119	2/18/16 22:01	
Toluene-d8	102	87-121	2/18/16 22:01	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1601789-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/17/16 12:02		484304	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/17/16 12:02		484304	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/17/16 12:02		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/17/16 12:02		484304	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/17/16 12:02		484304	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/17/16 12:02		484304	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/17/16 12:02		484304	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/17/16 12:02		484304	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/17/16 12:02		484304	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/17/16 12:02		484304	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/17/16 12:02		484304	
2-Hexanone	10	U	10	1.7	1	NA	2/17/16 12:02		484304	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/17/16 12:02		484304	
Acetone	10	U	10	1.3	1	NA	2/17/16 12:02		484304	
Benzene	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/17/16 12:02		484304	
Bromoform	5.0	U	5.0	0.42	1	NA	2/17/16 12:02		484304	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/17/16 12:02		484304	
Carbon Disulfide	10	U	10	0.22	1	NA	2/17/16 12:02		484304	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/17/16 12:02		484304	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/17/16 12:02		484304	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/17/16 12:02		484304	
Chloroform	5.0	U	5.0	0.25	1	NA	2/17/16 12:02		484304	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/17/16 12:02		484304	
Cyclohexane	10	U	10	0.25	1	NA	2/17/16 12:02		484304	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/17/16 12:02		484304	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/17/16 12:02		484304	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/17/16 12:02		484304	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
Methyl Acetate	10	U	10	0.43	1	NA	2/17/16 12:02		484304	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/17/16 12:02		484304	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1601789-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	10	U	10	0.27	1	NA	2/17/16 12:02		484304	
Styrene	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/17/16 12:02		484304	
Toluene	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/17/16 12:02		484304	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/17/16 12:02		484304	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/17/16 12:02		484304	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/17/16 12:02		484304	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/17/16 12:02		484304	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/17/16 12:02		484304	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/17/16 12:02		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	2/17/16 12:02	
Dibromofluoromethane	99	89-119	2/17/16 12:02	
Toluene-d8	100	87-121	2/17/16 12:02	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1601849-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	5.0	U	5.0	0.36	1	NA	2/18/16 13:02		484541	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.25	1	NA	2/18/16 13:02		484541	
1,1,2-Trichloroethane	5.0	U	5.0	0.34	1	NA	2/18/16 13:02		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	0.31	1	NA	2/18/16 13:02		484541	
1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	0.57	1	NA	2/18/16 13:02		484541	
1,2,4-Trichlorobenzene	5.0	U	5.0	0.23	1	NA	2/18/16 13:02		484541	
1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	0.74	1	NA	2/18/16 13:02		484541	
1,2-Dibromoethane	5.0	U	5.0	0.24	1	NA	2/18/16 13:02		484541	
1,2-Dichlorobenzene	5.0	U	5.0	0.21	1	NA	2/18/16 13:02		484541	
1,2-Dichloroethane	5.0	U	5.0	0.36	1	NA	2/18/16 13:02		484541	
1,2-Dichloropropane	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
1,3-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
1,4-Dichlorobenzene	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
2-Butanone (MEK)	10	U	10	0.81	1	NA	2/18/16 13:02		484541	
2-Hexanone	10	U	10	1.7	1	NA	2/18/16 13:02		484541	
4-Methyl-2-pentanone	10	U	10	0.67	1	NA	2/18/16 13:02		484541	
Acetone	10	U	10	1.3	1	NA	2/18/16 13:02		484541	
Benzene	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
Bromodichloromethane	5.0	U	5.0	0.32	1	NA	2/18/16 13:02		484541	
Bromoform	5.0	U	5.0	0.42	1	NA	2/18/16 13:02		484541	
Bromomethane	5.0	U	5.0	0.29	1	NA	2/18/16 13:02		484541	
Carbon Disulfide	10	U	10	0.22	1	NA	2/18/16 13:02		484541	
Carbon Tetrachloride	5.0	U	5.0	0.45	1	NA	2/18/16 13:02		484541	
Chlorobenzene	5.0	U	5.0	0.29	1	NA	2/18/16 13:02		484541	
Chloroethane	5.0	U	5.0	0.24	1	NA	2/18/16 13:02		484541	
Chloroform	5.0	U	5.0	0.25	1	NA	2/18/16 13:02		484541	
Chloromethane	5.0	U	5.0	0.21	1	NA	2/18/16 13:02		484541	
Cyclohexane	10	U	10	0.25	1	NA	2/18/16 13:02		484541	
Dibromochloromethane	5.0	U	5.0	0.31	1	NA	2/18/16 13:02		484541	
Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	0.46	1	NA	2/18/16 13:02		484541	
Dichloromethane	5.0	U	5.0	0.60	1	NA	2/18/16 13:02		484541	
Ethylbenzene	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
Isopropylbenzene (Cumene)	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
Methyl Acetate	10	U	10	0.43	1	NA	2/18/16 13:02		484541	
Methyl tert-Butyl Ether	5.0	U	5.0	0.29	1	NA	2/18/16 13:02		484541	
Methylcyclohexane	10	U	10	0.27	1	NA	2/18/16 13:02		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1601849-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
Tetrachloroethene (PCE)	5.0	U	5.0	0.30	1	NA	2/18/16 13:02		484541	
Toluene	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
Trichloroethene (TCE)	5.0	U	5.0	0.22	1	NA	2/18/16 13:02		484541	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	
Vinyl Chloride	5.0	U	5.0	0.32	1	NA	2/18/16 13:02		484541	
Xylenes, Total	5.0	U	5.0	0.53	1	NA	2/18/16 13:02		484541	
cis-1,2-Dichloroethene	5.0	U	5.0	0.30	1	NA	2/18/16 13:02		484541	
cis-1,3-Dichloropropene	5.0	U	5.0	0.24	1	NA	2/18/16 13:02		484541	
trans-1,2-Dichloroethene	5.0	U	5.0	0.33	1	NA	2/18/16 13:02		484541	
trans-1,3-Dichloropropene	5.0	U	5.0	0.20	1	NA	2/18/16 13:02		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85-122	2/18/16 13:02	
Dibromofluoromethane	96	89-119	2/18/16 13:02	
Toluene-d8	98	87-121	2/18/16 13:02	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Lab Control Sample	**Units:**	µg/L
Lab Code:	RQ1601789-02	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	**17.6**		5.0	0.36	1	NA	2/17/16 11:10		484304	
1,1,2,2-Tetrachloroethane	**18.6**		5.0	0.25	1	NA	2/17/16 11:10		484304	
1,1,2-Trichloroethane	**19.8**		5.0	0.34	1	NA	2/17/16 11:10		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	**17.2**		5.0	0.31	1	NA	2/17/16 11:10		484304	
1,1-Dichloroethane (1,1-DCA)	**20.4**		5.0	0.20	1	NA	2/17/16 11:10		484304	
1,1-Dichloroethene (1,1-DCE)	**17.9**		5.0	0.57	1	NA	2/17/16 11:10		484304	
1,2,4-Trichlorobenzene	**21.0**		5.0	0.23	1	NA	2/17/16 11:10		484304	
1,2-Dibromo-3-chloropropane (DBCP)	**17.5**		5.0	0.74	1	NA	2/17/16 11:10		484304	
1,2-Dibromoethane	**19.8**		5.0	0.24	1	NA	2/17/16 11:10		484304	
1,2-Dichlorobenzene	**19.4**		5.0	0.21	1	NA	2/17/16 11:10		484304	
1,2-Dichloroethane	**21.6**		5.0	0.36	1	NA	2/17/16 11:10		484304	
1,2-Dichloropropane	**20.8**		5.0	0.20	1	NA	2/17/16 11:10		484304	
1,3-Dichlorobenzene	**19.2**		5.0	0.20	1	NA	2/17/16 11:10		484304	
1,4-Dichlorobenzene	**18.6**		5.0	0.20	1	NA	2/17/16 11:10		484304	
2-Butanone (MEK)	**18.5**		10	0.81	1	NA	2/17/16 11:10		484304	
2-Hexanone	**18.9**		10	1.7	1	NA	2/17/16 11:10		484304	
4-Methyl-2-pentanone	**19.1**		10	0.67	1	NA	2/17/16 11:10		484304	
Acetone	**21.7**		10	1.3	1	NA	2/17/16 11:10		484304	
Benzene	**18.2**		5.0	0.20	1	NA	2/17/16 11:10		484304	
Bromodichloromethane	**18.3**		5.0	0.32	1	NA	2/17/16 11:10		484304	
Bromoform	**17.8**		5.0	0.42	1	NA	2/17/16 11:10		484304	
Bromomethane	**16.4**		5.0	0.29	1	NA	2/17/16 11:10		484304	
Carbon Disulfide	**20.0**		10	0.22	1	NA	2/17/16 11:10		484304	
Carbon Tetrachloride	**17.3**		5.0	0.45	1	NA	2/17/16 11:10		484304	
Chlorobenzene	**18.3**		5.0	0.29	1	NA	2/17/16 11:10		484304	
Chloroethane	**18.6**		5.0	0.24	1	NA	2/17/16 11:10		484304	
Chloroform	**18.4**		5.0	0.25	1	NA	2/17/16 11:10		484304	
Chloromethane	**18.1**		5.0	0.21	1	NA	2/17/16 11:10		484304	
Cyclohexane	**20.8**		10	0.25	1	NA	2/17/16 11:10		484304	
Dibromochloromethane	**18.7**		5.0	0.31	1	NA	2/17/16 11:10		484304	
Dichlorodifluoromethane (CFC 12)	**19.1**		5.0	0.46	1	NA	2/17/16 11:10		484304	
Dichloromethane	**17.5**		5.0	0.60	1	NA	2/17/16 11:10		484304	
Ethylbenzene	**17.4**		5.0	0.20	1	NA	2/17/16 11:10		484304	
Isopropylbenzene (Cumene)	**16.7**		5.0	0.20	1	NA	2/17/16 11:10		484304	
Methyl Acetate	**16.2**		10	0.43	1	NA	2/17/16 11:10		484304	
Methyl tert-Butyl Ether	**19.4**		5.0	0.29	1	NA	2/17/16 11:10		484304	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Lab Control Sample	**Units:**	µg/L
Lab Code:	RQ1601789-02	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	**22.7**		10	0.27	1	NA	2/17/16 11:10		484304	
Styrene	**17.7**		5.0	0.20	1	NA	2/17/16 11:10		484304	
Tetrachloroethene (PCE)	**18.0**		5.0	0.30	1	NA	2/17/16 11:10		484304	
Toluene	**17.8**		5.0	0.20	1	NA	2/17/16 11:10		484304	
Trichloroethene (TCE)	**19.4**		5.0	0.22	1	NA	2/17/16 11:10		484304	
Trichlorofluoromethane (CFC 11)	**19.3**		5.0	0.20	1	NA	2/17/16 11:10		484304	
Vinyl Chloride	**20.4**		5.0	0.32	1	NA	2/17/16 11:10		484304	
Xylenes, Total	**53.1**		5.0	0.53	1	NA	2/17/16 11:10		484304	
cis-1,2-Dichloroethene	**18.4**		5.0	0.30	1	NA	2/17/16 11:10		484304	
cis-1,3-Dichloropropene	**18.4**		5.0	0.24	1	NA	2/17/16 11:10		484304	
trans-1,2-Dichloroethene	**18.2**		5.0	0.33	1	NA	2/17/16 11:10		484304	
trans-1,3-Dichloropropene	**19.3**		5.0	0.20	1	NA	2/17/16 11:10		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85-122	2/17/16 11:10	
Dibromofluoromethane	101	89-119	2/17/16 11:10	
Toluene-d8	99	87-121	2/17/16 11:10	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Lab Control Sample	**Units:**	µg/L
Lab Code:	RQ1601849-02	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	**19.0**		5.0	0.36	1	NA	2/18/16 11:40		484541	
1,1,2,2-Tetrachloroethane	**17.2**		5.0	0.25	1	NA	2/18/16 11:40		484541	
1,1,2-Trichloroethane	**18.6**		5.0	0.34	1	NA	2/18/16 11:40		484541	
1,1,2-Trichloro-1,2,2-trifluoroethane	**18.7**		5.0	0.31	1	NA	2/18/16 11:40		484541	
1,1-Dichloroethane (1,1-DCA)	**20.5**		5.0	0.20	1	NA	2/18/16 11:40		484541	
1,1-Dichloroethene (1,1-DCE)	**18.4**		5.0	0.57	1	NA	2/18/16 11:40		484541	
1,2,4-Trichlorobenzene	**19.9**		5.0	0.23	1	NA	2/18/16 11:40		484541	
1,2-Dibromo-3-chloropropane (DBCP)	**14.3**		5.0	0.74	1	NA	2/18/16 11:40		484541	
1,2-Dibromoethane	**19.0**		5.0	0.24	1	NA	2/18/16 11:40		484541	
1,2-Dichlorobenzene	**18.7**		5.0	0.21	1	NA	2/18/16 11:40		484541	
1,2-Dichloroethane	**20.3**		5.0	0.36	1	NA	2/18/16 11:40		484541	
1,2-Dichloropropane	**20.7**		5.0	0.20	1	NA	2/18/16 11:40		484541	
1,3-Dichlorobenzene	**19.0**		5.0	0.20	1	NA	2/18/16 11:40		484541	
1,4-Dichlorobenzene	**18.3**		5.0	0.20	1	NA	2/18/16 11:40		484541	
2-Butanone (MEK)	**16.6**		10	0.81	1	NA	2/18/16 11:40		484541	
2-Hexanone	**17.1**		10	1.7	1	NA	2/18/16 11:40		484541	
4-Methyl-2-pentanone	**17.4**		10	0.67	1	NA	2/18/16 11:40		484541	
Acetone	**19.3**		10	1.3	1	NA	2/18/16 11:40		484541	
Benzene	**18.2**		5.0	0.20	1	NA	2/18/16 11:40		484541	
Bromodichloromethane	**17.8**		5.0	0.32	1	NA	2/18/16 11:40		484541	
Bromoform	**16.5**		5.0	0.42	1	NA	2/18/16 11:40		484541	
Bromomethane	**16.3**		5.0	0.29	1	NA	2/18/16 11:40		484541	
Carbon Disulfide	**15.2**		10	0.22	1	NA	2/18/16 11:40		484541	
Carbon Tetrachloride	**17.6**		5.0	0.45	1	NA	2/18/16 11:40		484541	
Chlorobenzene	**18.9**		5.0	0.29	1	NA	2/18/16 11:40		484541	
Chloroethane	**18.3**		5.0	0.24	1	NA	2/18/16 11:40		484541	
Chloroform	**17.7**		5.0	0.25	1	NA	2/18/16 11:40		484541	
Chloromethane	**18.8**		5.0	0.21	1	NA	2/18/16 11:40		484541	
Cyclohexane	**19.9**		10	0.25	1	NA	2/18/16 11:40		484541	
Dibromochloromethane	**18.0**		5.0	0.31	1	NA	2/18/16 11:40		484541	
Dichlorodifluoromethane (CFC 12)	**19.4**		5.0	0.46	1	NA	2/18/16 11:40		484541	
Dichloromethane	**17.2**		5.0	0.60	1	NA	2/18/16 11:40		484541	
Ethylbenzene	**18.7**		5.0	0.20	1	NA	2/18/16 11:40		484541	
Isopropylbenzene (Cumene)	**17.2**		5.0	0.20	1	NA	2/18/16 11:40		484541	
Methyl Acetate	**15.2**		10	0.43	1	NA	2/18/16 11:40		484541	
Methyl tert-Butyl Ether	**18.4**		5.0	0.29	1	NA	2/18/16 11:40		484541	
Methylcyclohexane	**21.8**		10	0.27	1	NA	2/18/16 11:40		484541	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Lab Control Sample	**Units:**	µg/L
Lab Code:	RQ1601849-02	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Styrene	**17.6**		5.0	0.20	1	NA	2/18/16 11:40		484541	
Tetrachloroethene (PCE)	**19.0**		5.0	0.30	1	NA	2/18/16 11:40		484541	
Toluene	**18.0**		5.0	0.20	1	NA	2/18/16 11:40		484541	
Trichloroethene (TCE)	**19.6**		5.0	0.22	1	NA	2/18/16 11:40		484541	
Trichlorofluoromethane (CFC 11)	**20.4**		5.0	0.20	1	NA	2/18/16 11:40		484541	
Vinyl Chloride	**20.8**		5.0	0.32	1	NA	2/18/16 11:40		484541	
Xylenes, Total	**53.2**		5.0	0.53	1	NA	2/18/16 11:40		484541	
cis-1,2-Dichloroethene	**18.2**		5.0	0.30	1	NA	2/18/16 11:40		484541	
cis-1,3-Dichloropropene	**17.4**		5.0	0.24	1	NA	2/18/16 11:40		484541	
trans-1,2-Dichloroethene	**18.4**		5.0	0.33	1	NA	2/18/16 11:40		484541	
trans-1,3-Dichloropropene	**17.7**		5.0	0.20	1	NA	2/18/16 11:40		484541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	2/18/16 11:40	
Dibromofluoromethane	100	89-119	2/18/16 11:40	
Toluene-d8	98	87-121	2/18/16 11:40	

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 0925
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-2	**Units:**	µg/L
Lab Code:	RQ1601789-05	**Basis:**	NA
Run Type:	Matrix Spike		

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	**52.2**		5.0	0.36	1	NA	2/17/16 20:30		484304	
1,1,2,2-Tetrachloroethane	**43.6**		5.0	0.25	1	NA	2/17/16 20:30		484304	
1,1,2-Trichloroethane	**45.8**		5.0	0.34	1	NA	2/17/16 20:30		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	**51.1**		5.0	0.31	1	NA	2/17/16 20:30		484304	
1,1-Dichloroethane (1,1-DCA)	**54.5**		5.0	0.20	1	NA	2/17/16 20:30		484304	
1,1-Dichloroethene (1,1-DCE)	**50.1**		5.0	0.57	1	NA	2/17/16 20:30		484304	
1,2,4-Trichlorobenzene	**49.4**		5.0	0.23	1	NA	2/17/16 20:30		484304	
1,2-Dibromo-3-chloropropane (DBCP)	**40.5**		5.0	0.74	1	NA	2/17/16 20:30		484304	
1,2-Dibromoethane	**47.2**		5.0	0.24	1	NA	2/17/16 20:30		484304	
1,2-Dichlorobenzene	**47.1**		5.0	0.21	1	NA	2/17/16 20:30		484304	
1,2-Dichloroethane	**52.6**		5.0	0.36	1	NA	2/17/16 20:30		484304	
1,2-Dichloropropane	**53.9**		5.0	0.20	1	NA	2/17/16 20:30		484304	
1,3-Dichlorobenzene	**47.8**		5.0	0.20	1	NA	2/17/16 20:30		484304	
1,4-Dichlorobenzene	**46.1**		5.0	0.20	1	NA	2/17/16 20:30		484304	
2-Butanone (MEK)	**40.8**		10	0.81	1	NA	2/17/16 20:30		484304	
2-Hexanone	**43.2**		10	1.7	1	NA	2/17/16 20:30		484304	
4-Methyl-2-pentanone	**46.1**		10	0.67	1	NA	2/17/16 20:30		484304	
Acetone	**40.1**		10	1.3	1	NA	2/17/16 20:30		484304	
Benzene	**49.8**		5.0	0.20	1	NA	2/17/16 20:30		484304	
Bromodichloromethane	**45.6**		5.0	0.32	1	NA	2/17/16 20:30		484304	
Bromoform	**43.2**		5.0	0.42	1	NA	2/17/16 20:30		484304	
Bromomethane	**36.8**		5.0	0.29	1	NA	2/17/16 20:30		484304	
Carbon Disulfide	**48.5**		10	0.22	1	NA	2/17/16 20:30		484304	
Carbon Tetrachloride	**52.3**		5.0	0.45	1	NA	2/17/16 20:30		484304	
Chlorobenzene	**49.7**		5.0	0.29	1	NA	2/17/16 20:30		484304	
Chloroethane	**55.1**		5.0	0.24	1	NA	2/17/16 20:30		484304	
Chloroform	**48.0**		5.0	0.25	1	NA	2/17/16 20:30		484304	
Chloromethane	**50.7**		5.0	0.21	1	NA	2/17/16 20:30		484304	
Cyclohexane	**47.3**		10	0.25	1	NA	2/17/16 20:30		484304	
Dibromochloromethane	**45.0**		5.0	0.31	1	NA	2/17/16 20:30		484304	
Dichlorodifluoromethane (CFC 12)	**53.3**		5.0	0.46	1	NA	2/17/16 20:30		484304	
Dichloromethane	**45.3**		5.0	0.60	1	NA	2/17/16 20:30		484304	
Ethylbenzene	**50.2**		5.0	0.20	1	NA	2/17/16 20:30		484304	
Isopropylbenzene (Cumene)	**48.3**		5.0	0.20	1	NA	2/17/16 20:30		484304	
Methyl Acetate	**32.1**		10	0.43	1	NA	2/17/16 20:30		484304	
Methyl tert-Butyl Ether	**45.3**		5.0	0.29	1	NA	2/17/16 20:30		484304	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 0925
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-2	**Units:**	µg/L
Lab Code:	RQ1601789-05	**Basis:**	NA
Run Type:	Matrix Spike		

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	**49.0**		10	0.27	1	NA	2/17/16 20:30		484304	
Styrene	**46.3**		5.0	0.20	1	NA	2/17/16 20:30		484304	
Tetrachloroethene (PCE)	**81.0**		5.0	0.30	1	NA	2/17/16 20:30		484304	
Toluene	**49.7**		5.0	0.20	1	NA	2/17/16 20:30		484304	
Trichloroethene (TCE)	**51.9**		5.0	0.22	1	NA	2/17/16 20:30		484304	
Trichlorofluoromethane (CFC 11)	**56.7**		5.0	0.20	1	NA	2/17/16 20:30		484304	
Vinyl Chloride	**57.0**		5.0	0.32	1	NA	2/17/16 20:30		484304	
Xylenes, Total	**146**		5.0	0.53	1	NA	2/17/16 20:30		484304	
cis-1,2-Dichloroethene	**51.2**		5.0	0.30	1	NA	2/17/16 20:30		484304	
cis-1,3-Dichloropropene	**43.9**		5.0	0.24	1	NA	2/17/16 20:30		484304	
trans-1,2-Dichloroethene	**51.3**		5.0	0.33	1	NA	2/17/16 20:30		484304	
trans-1,3-Dichloropropene	**44.6**		5.0	0.20	1	NA	2/17/16 20:30		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85-122	2/17/16 20:30	
Dibromofluoromethane	100	89-119	2/17/16 20:30	
Toluene-d8	99	87-121	2/17/16 20:30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 0925
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-2	**Units:**	µg/L
Lab Code:	RQ1601789-06	**Basis:**	NA
Run Type:	Duplicate Matrix Spike		

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	**54.5**		5.0	0.36	1	NA	2/17/16 20:54		484304	
1,1,2,2-Tetrachloroethane	**46.5**		5.0	0.25	1	NA	2/17/16 20:54		484304	
1,1,2-Trichloroethane	**47.1**		5.0	0.34	1	NA	2/17/16 20:54		484304	
1,1,2-Trichloro-1,2,2-trifluoroethane	**54.2**		5.0	0.31	1	NA	2/17/16 20:54		484304	
1,1-Dichloroethane (1,1-DCA)	**57.5**		5.0	0.20	1	NA	2/17/16 20:54		484304	
1,1-Dichloroethene (1,1-DCE)	**52.8**		5.0	0.57	1	NA	2/17/16 20:54		484304	
1,2,4-Trichlorobenzene	**54.3**		5.0	0.23	1	NA	2/17/16 20:54		484304	
1,2-Dibromo-3-chloropropane (DBCP)	**45.2**		5.0	0.74	1	NA	2/17/16 20:54		484304	
1,2-Dibromoethane	**48.1**		5.0	0.24	1	NA	2/17/16 20:54		484304	
1,2-Dichlorobenzene	**50.9**		5.0	0.21	1	NA	2/17/16 20:54		484304	
1,2-Dichloroethane	**52.6**		5.0	0.36	1	NA	2/17/16 20:54		484304	
1,2-Dichloropropane	**54.7**		5.0	0.20	1	NA	2/17/16 20:54		484304	
1,3-Dichlorobenzene	**50.1**		5.0	0.20	1	NA	2/17/16 20:54		484304	
1,4-Dichlorobenzene	**49.4**		5.0	0.20	1	NA	2/17/16 20:54		484304	
2-Butanone (MEK)	**42.7**		10	0.81	1	NA	2/17/16 20:54		484304	
2-Hexanone	**45.3**		10	1.7	1	NA	2/17/16 20:54		484304	
4-Methyl-2-pentanone	**47.0**		10	0.67	1	NA	2/17/16 20:54		484304	
Acetone	**43.1**		10	1.3	1	NA	2/17/16 20:54		484304	
Benzene	**51.1**		5.0	0.20	1	NA	2/17/16 20:54		484304	
Bromodichloromethane	**47.2**		5.0	0.32	1	NA	2/17/16 20:54		484304	
Bromoform	**44.5**		5.0	0.42	1	NA	2/17/16 20:54		484304	
Bromomethane	**37.3**		5.0	0.29	1	NA	2/17/16 20:54		484304	
Carbon Disulfide	**51.7**		10	0.22	1	NA	2/17/16 20:54		484304	
Carbon Tetrachloride	**53.7**		5.0	0.45	1	NA	2/17/16 20:54		484304	
Chlorobenzene	**50.9**		5.0	0.29	1	NA	2/17/16 20:54		484304	
Chloroethane	**57.9**		5.0	0.24	1	NA	2/17/16 20:54		484304	
Chloroform	**50.2**		5.0	0.25	1	NA	2/17/16 20:54		484304	
Chloromethane	**53.5**		5.0	0.21	1	NA	2/17/16 20:54		484304	
Cyclohexane	**52.4**		10	0.25	1	NA	2/17/16 20:54		484304	
Dibromochloromethane	**47.4**		5.0	0.31	1	NA	2/17/16 20:54		484304	
Dichlorodifluoromethane (CFC 12)	**56.4**		5.0	0.46	1	NA	2/17/16 20:54		484304	
Dichloromethane	**45.7**		5.0	0.60	1	NA	2/17/16 20:54		484304	
Ethylbenzene	**52.6**		5.0	0.20	1	NA	2/17/16 20:54		484304	
Isopropylbenzene (Cumene)	**49.5**		5.0	0.20	1	NA	2/17/16 20:54		484304	
Methyl Acetate	**36.8**		10	0.43	1	NA	2/17/16 20:54		484304	
Methyl tert-Butyl Ether	**48.0**		5.0	0.29	1	NA	2/17/16 20:54		484304	

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Analytical Report

Client:	EA Engineering, Science, and Technology (EAEST)	**Service Request:**	R1601321
Project:	Roxy Cleaners/1490714	**Date Collected:**	2/10/16 0925
Sample Matrix:	Water	**Date Received:**	2/12/16
Sample Name:	44204-MW-2	**Units:**	µg/L
Lab Code:	RQ1601789-06	**Basis:**	NA
Run Type:	Duplicate Matrix Spike		

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Methylcyclohexane	**54.6**		10	0.27	1	NA	2/17/16 20:54		484304	
Styrene	**48.0**		5.0	0.20	1	NA	2/17/16 20:54		484304	
Tetrachloroethene (PCE)	**84.0**		5.0	0.30	1	NA	2/17/16 20:54		484304	
Toluene	**50.7**		5.0	0.20	1	NA	2/17/16 20:54		484304	
Trichloroethene (TCE)	**53.4**		5.0	0.22	1	NA	2/17/16 20:54		484304	
Trichlorofluoromethane (CFC 11)	**58.9**		5.0	0.20	1	NA	2/17/16 20:54		484304	
Vinyl Chloride	**60.4**		5.0	0.32	1	NA	2/17/16 20:54		484304	
Xylenes, Total	**152**		5.0	0.53	1	NA	2/17/16 20:54		484304	
cis-1,2-Dichloroethene	**54.2**		5.0	0.30	1	NA	2/17/16 20:54		484304	
cis-1,3-Dichloropropene	**45.7**		5.0	0.24	1	NA	2/17/16 20:54		484304	
trans-1,2-Dichloroethene	**53.1**		5.0	0.33	1	NA	2/17/16 20:54		484304	
trans-1,3-Dichloropropene	**45.4**		5.0	0.20	1	NA	2/17/16 20:54		484304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	2/17/16 20:54	
Dibromofluoromethane	98	89-119	2/17/16 20:54	
Toluene-d8	98	87-121	2/17/16 20:54	

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6063.D
Acq On : 17 Feb 2016 4:28 pm
Operator : F. Naegler
Sample : R1601321-001|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 18 10:19:52 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	268413	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	382810	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	331961	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	176019	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	115255	48.96	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 97.92%			
46) surr1,1,2-dichloroetha...	6.025	65	152872	53.85	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.70%			
64) SURR3,Toluene-d8	8.488	98	455512	49.38	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.76%			
69) SURR2,BFB	11.018	95	178877	49.63	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.26%			
Target Compounds						Qvalue
15) Acetone	2.416	43	1227	0.66	ug/L	91
39) Chloroform	5.245	83	11775	2.81	ug/L	94
71) Tetrachloroethene	9.140	164	1987	1.03	ug/L	89

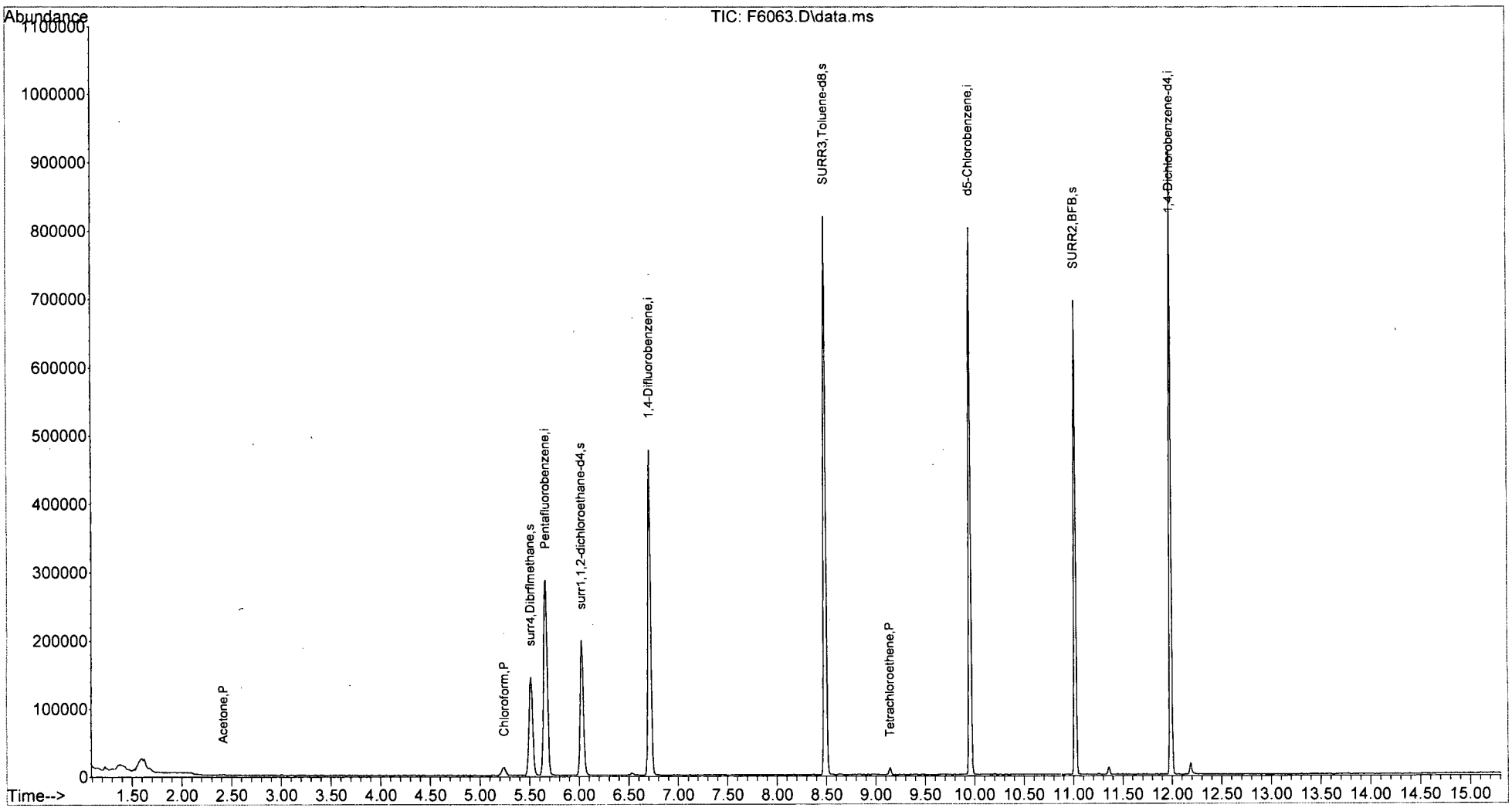
(#) = qualifier out of range (m) = manual integration (+) = signals summed

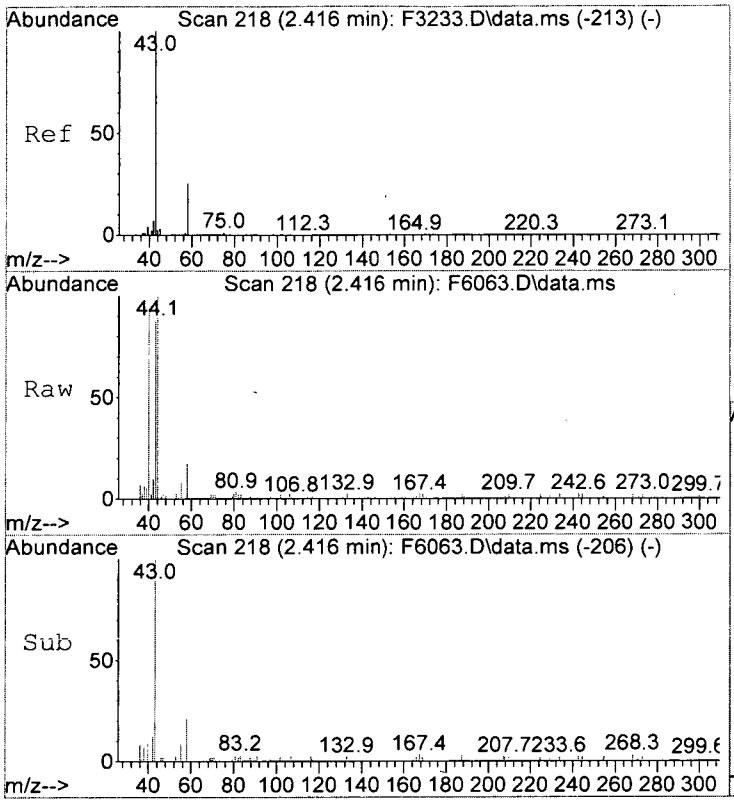
FU
2/18/16

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6063.D
Acq On : 17 Feb 2016 4:28 pm
Operator : F. Naegler
Sample : R1601321-001|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 18 10:19:52 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

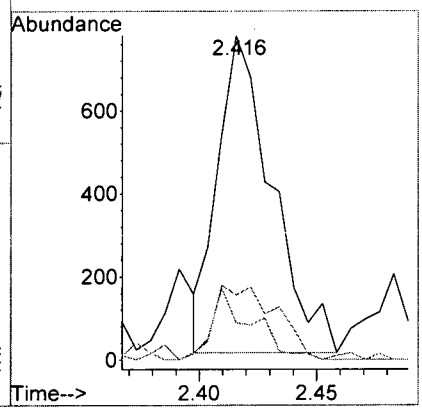


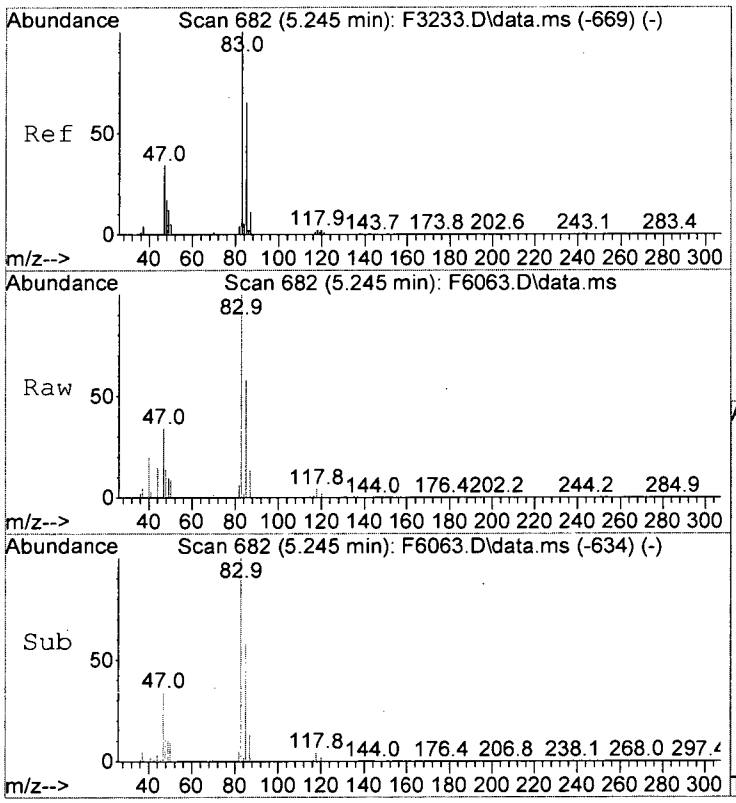


#15
Acetone
Concen: 0.66 ug/L
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: F6063.D
Acq: 17 Feb 2016 4:28 pm

Tgt Ion: 43 Resp: 1227

Ion	Ratio	Lower	Upper
43	100		
58	20.0	4.3	44.3
42	11.4	0.0	27.3

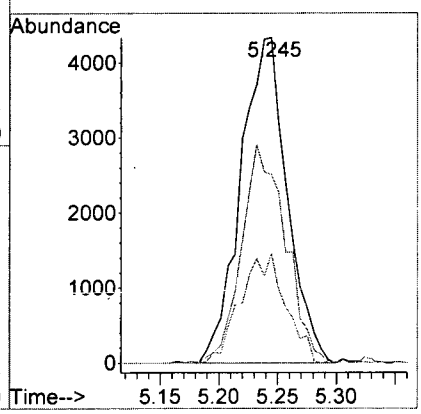


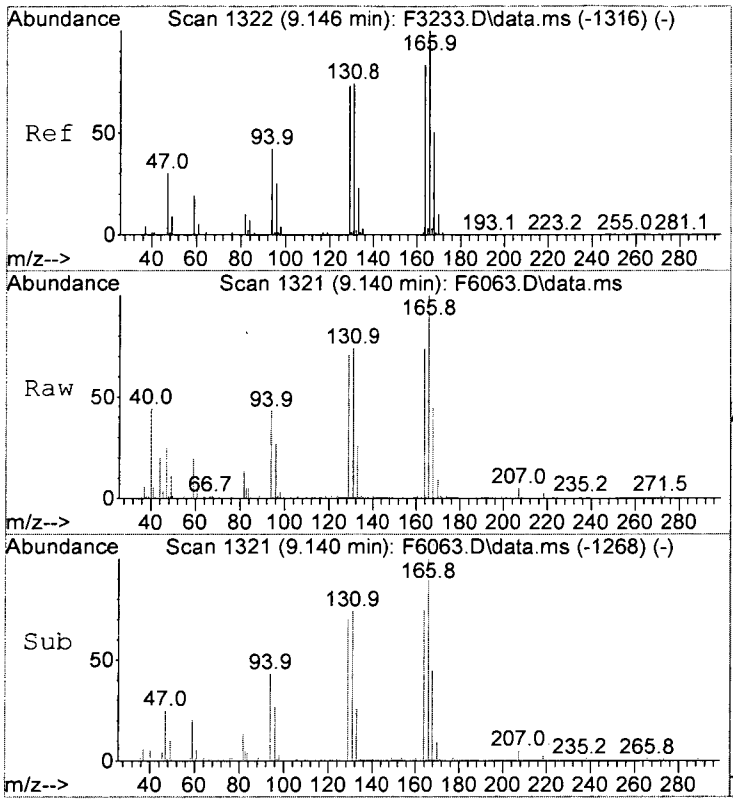


#39
Chloroform
Concen: 2.81 ug/L
RT: 5.245 min Scan# 682
Delta R.T. 0.006 min
Lab File: F6063.D
Acq: 17 Feb 2016 4:28 pm

Tgt Ion: 83 Resp: 11775

Ion	Ratio	Lower	Upper
83	100		
85	57.9	44.7	84.7
47	33.6	14.4	54.4

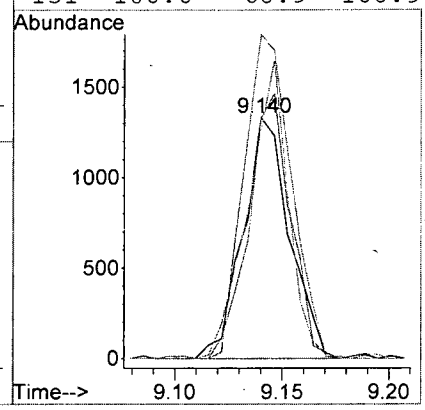




#71
Tetrachloroethene
Concen: 1.03 ug/L
RT: 9.140 min Scan# 1321
Delta R.T. -0.006 min
Lab File: F6063.D
Acq: 17 Feb 2016 4:28 pm

Tgt Ion:164 Resp: 1987

Ion	Ratio	Lower	Upper
164	100		
166	134.5	100.5	140.5
129	95.1	68.0	108.0
131	100.0	68.9	108.9



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6064.D
Acq On : 17 Feb 2016 4:52 pm
Operator : F. Naegler
Sample : R1601321-002|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 18 10:23:17 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	274928	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	396745	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	345284	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	182091	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	120673	49.46	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 98.92%			
46) surr1,1,2-dichloroetha...	6.025	65	161203	54.79	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 109.58%			
64) SURR3,Toluene-d8	8.488	98	483260	50.55	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.10%			
69) SURR2,BFB	11.018	95	190411	50.97	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 101.94%			
Target Compounds						Qvalue
5) Bromomethane	1.617	94	276	Below Cal	#	17
15) Acetone	2.422	43	1537m	0.80	ug/L	
39) Chloroform	5.251	83	4583	1.07	ug/L	82
71) Tetrachloroethene	9.140	164	7820	3.90	ug/L #	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

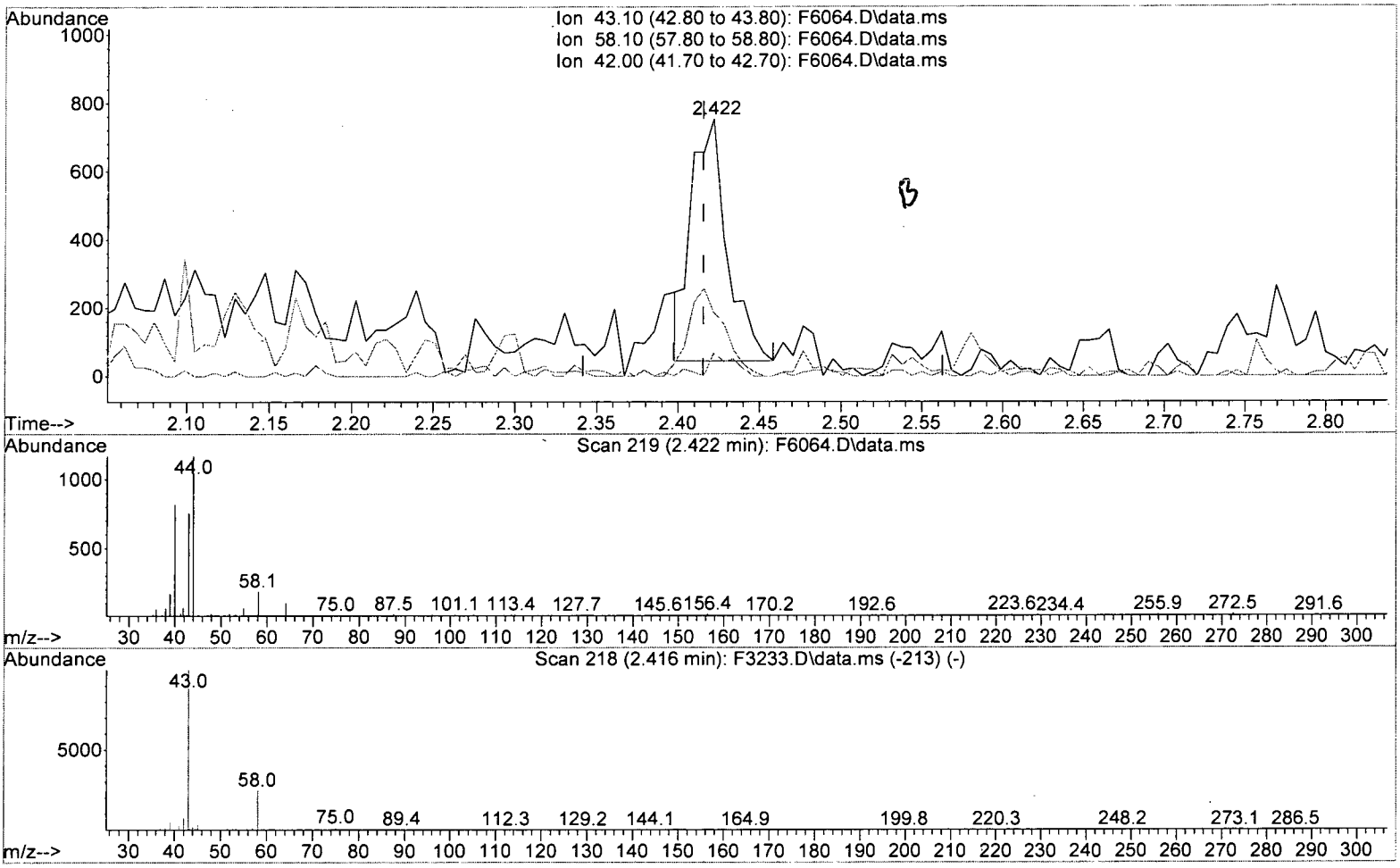
FU
2/18/16

KR 2/18/16

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6064.D
Acq On : 17 Feb 2016 4:52 pm
Operator : F. Naegler
Sample : R1601321-002|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 17 17:07:24 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6064.D\data.ms

(15) Acetone (P)

2.422min (+0.006) 0.56 ug/L

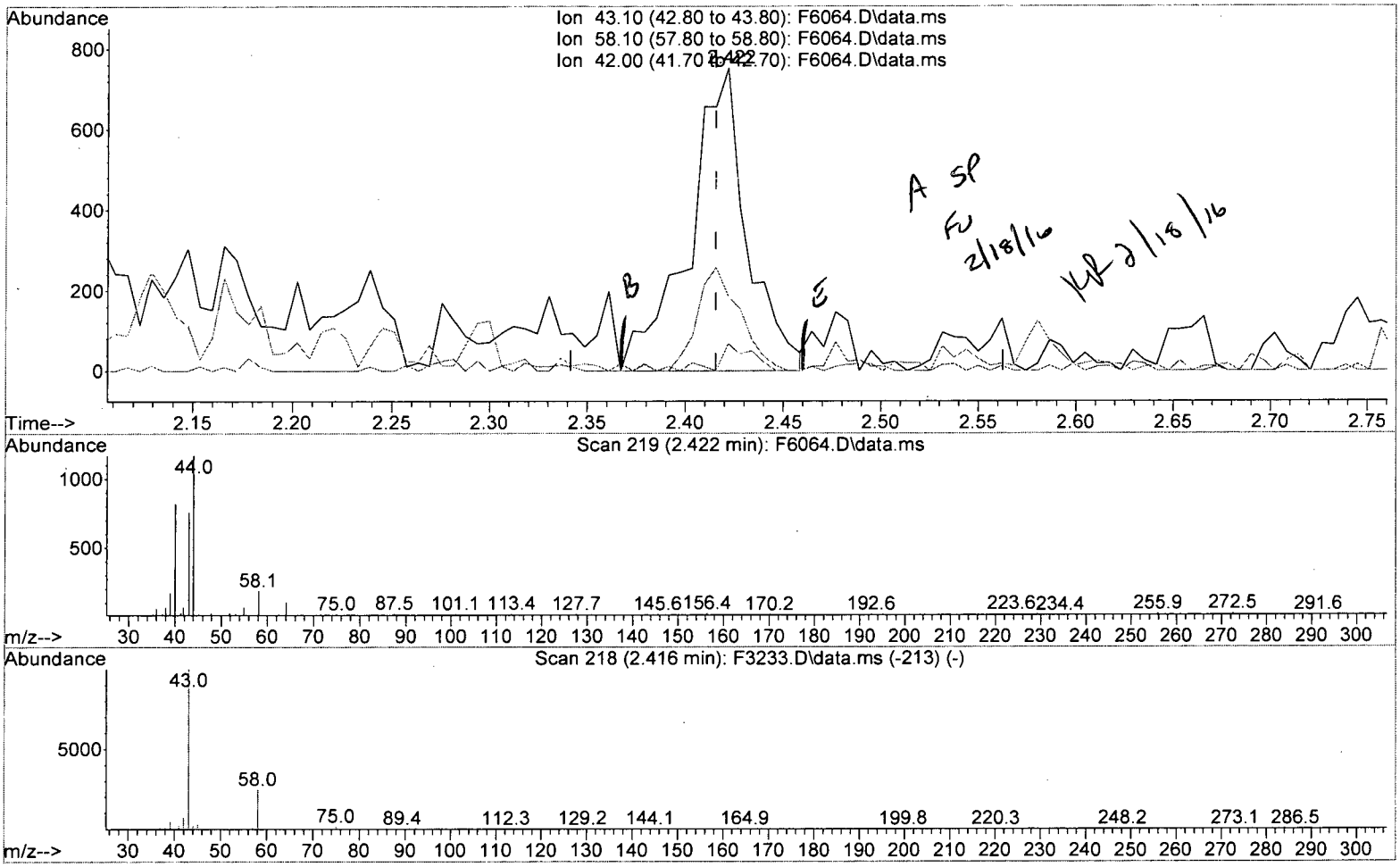
response 1077

Ion	Exp%	Act%
43.10	100	100
58.10	24.30	24.60
42.00	7.30	8.91
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6064.D
Acq On : 17 Feb 2016 4:52 pm
Operator : F. Naegler
Sample : R1601321-002|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 17 17:07:24 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6064.D\data.ms

(15) Acetone (P)

2.422min (+0.006) 0.80 ug/L m

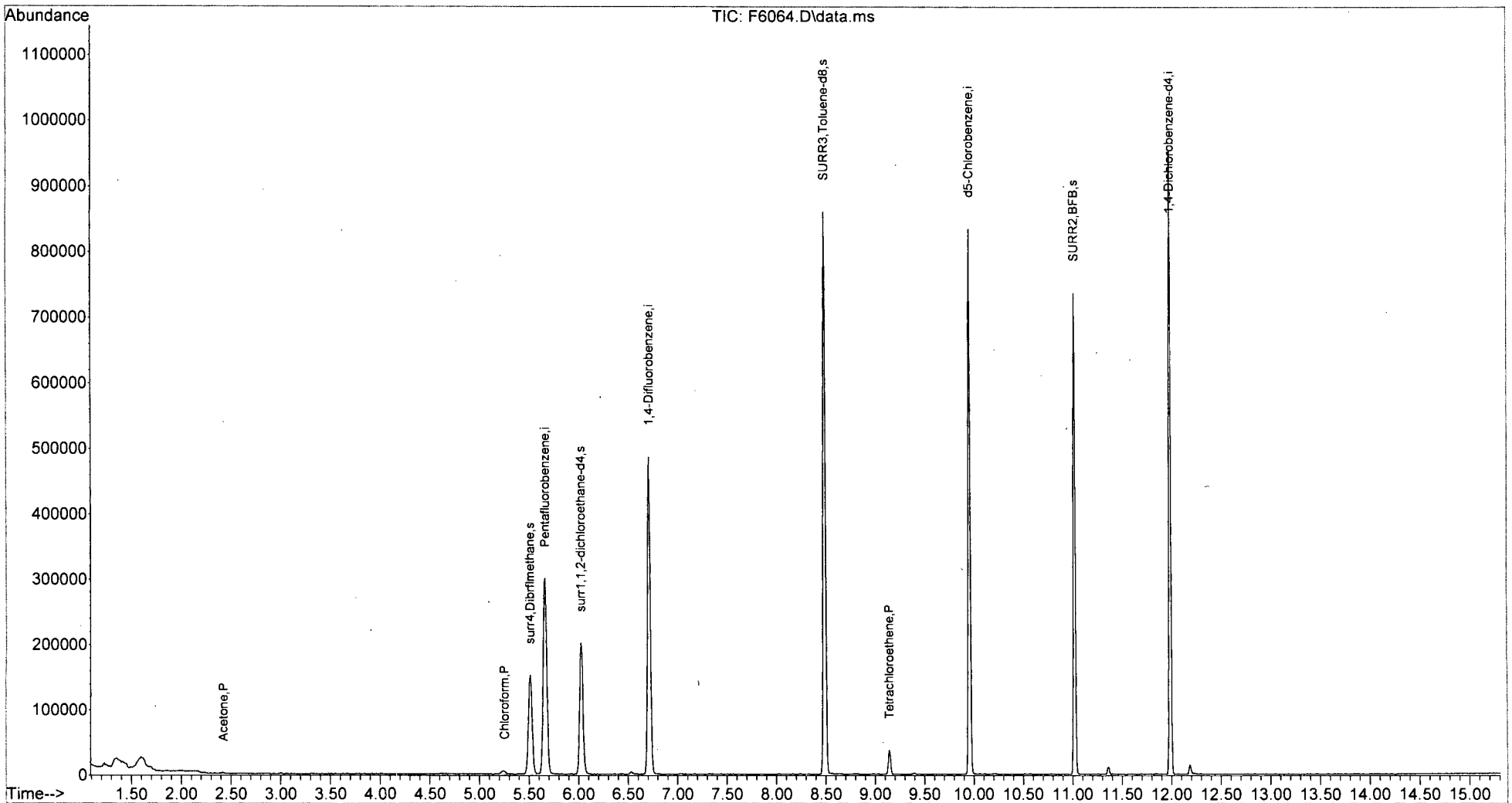
response 1537

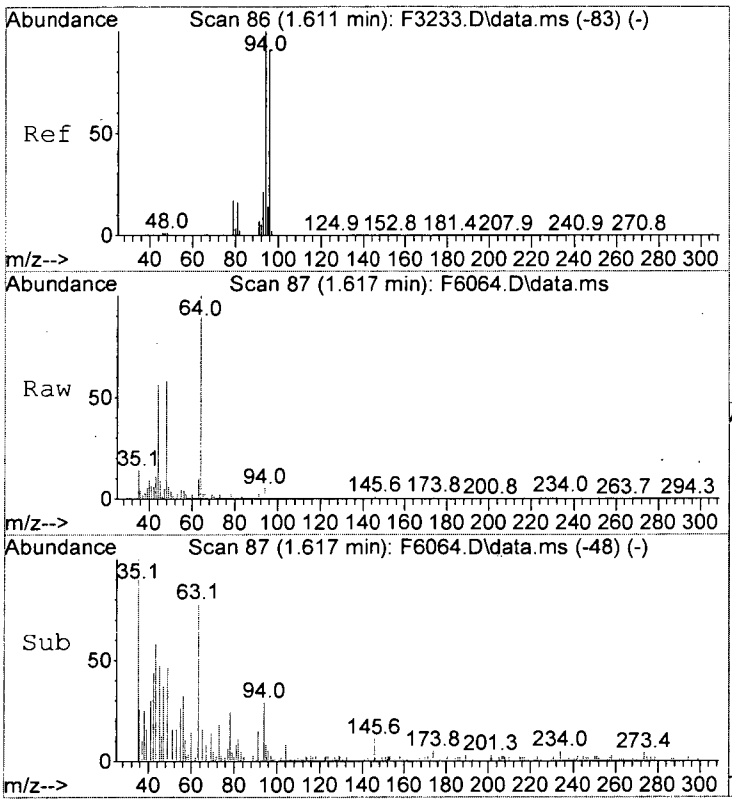
Ion	Exp%	Act%
43.10	100	100
58.10	24.30	24.60
42.00	7.30	8.91
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6064.D
Acq On : 17 Feb 2016 4:52 pm
Operator : F. Naegler
Sample : R1601321-002|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 18 10:23:17 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

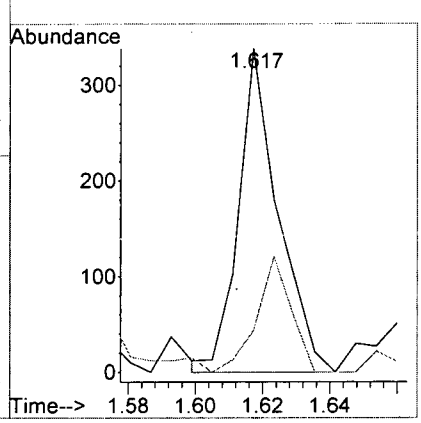


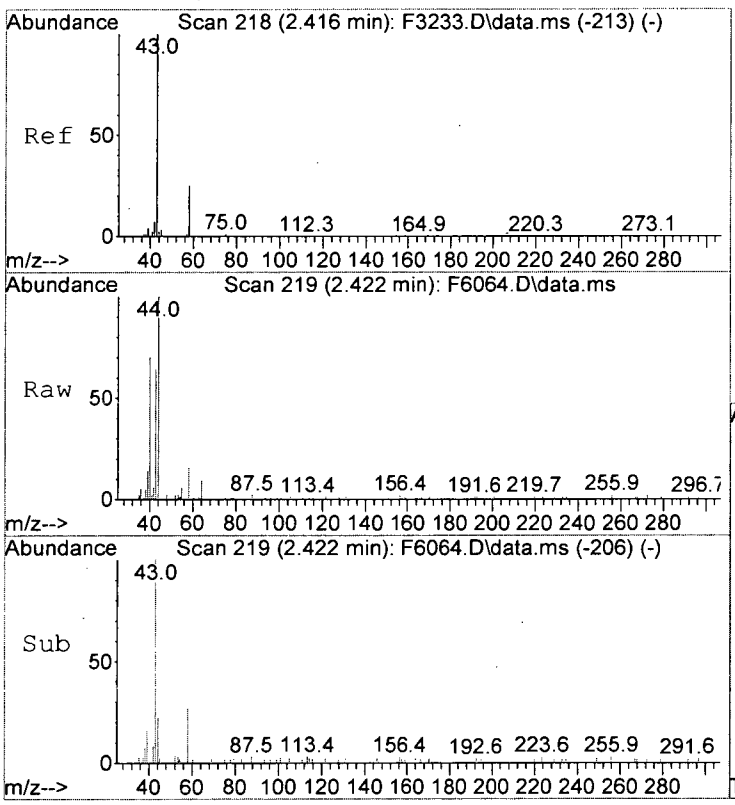


#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.013 min
Lab File: F6064.D
Acq: 17 Feb 2016 4:52 pm

Tgt Ion: 94 Resp: 276

Ion	Ratio	Lower	Upper
94	100		
96	12.7	71.0	111.0#

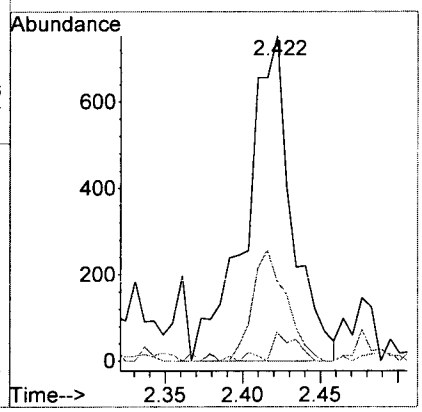


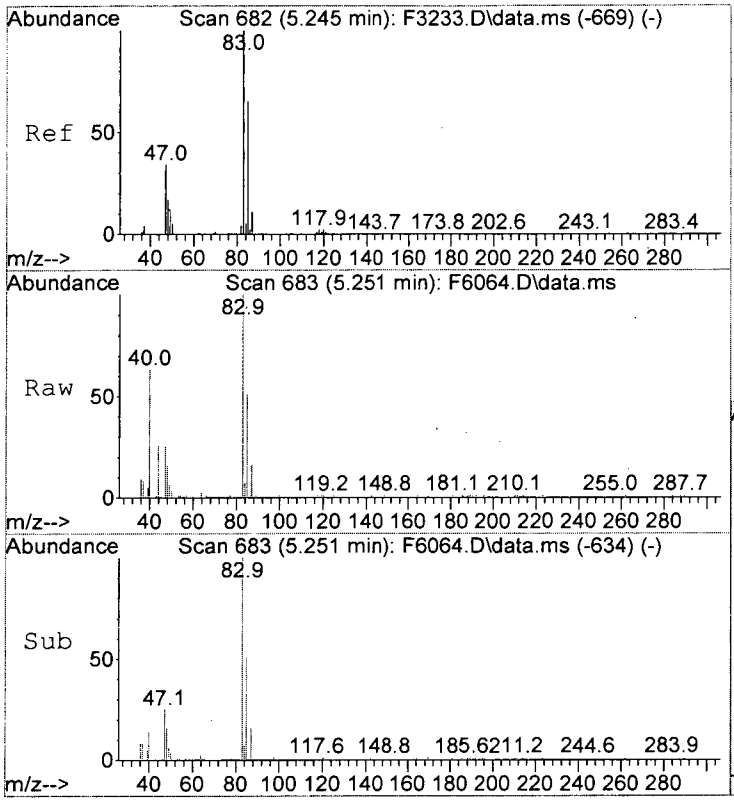


#15
Acetone
Concen: 0.80 ug/L m
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: F6064.D
Acq: 17 Feb 2016 4:52 pm

Tgt Ion: 43 Resp: 1537

Ion	Ratio	Lower	Upper
43	100		
58	24.6	4.3	44.3
42	8.9	0.0	27.3

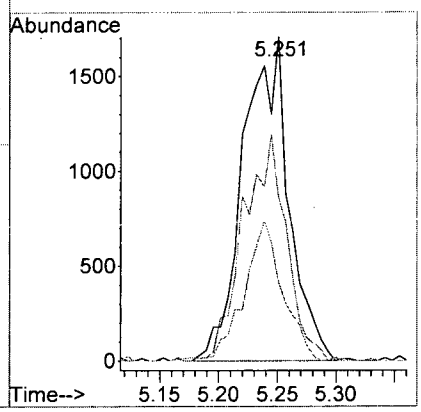


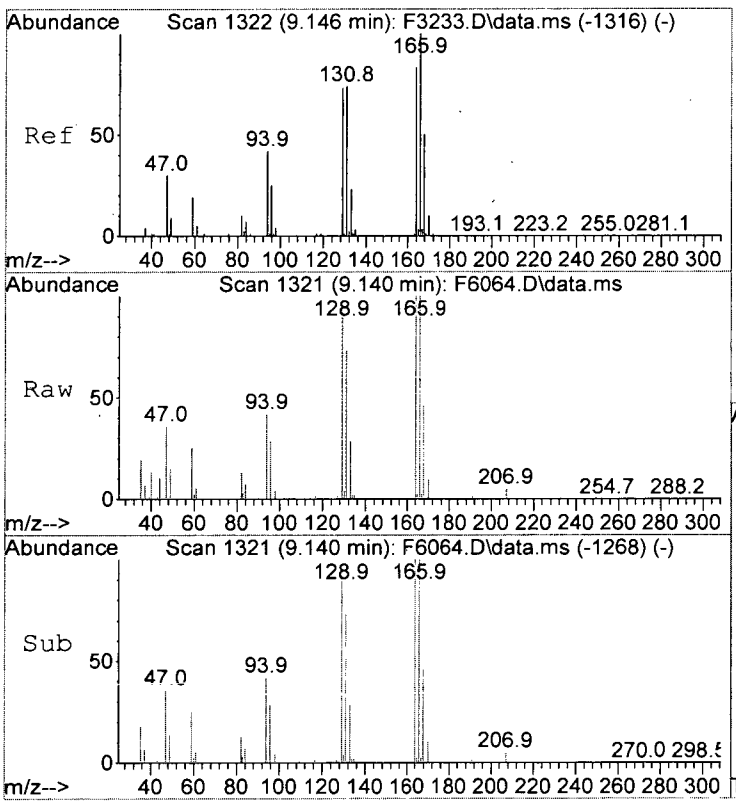


#39
Chloroform
Concen: 1.07 ug/L
RT: 5.251 min Scan# 683
Delta R.T. 0.012 min
Lab File: F6064.D
Acq: 17 Feb 2016 4:52 pm

Tgt Ion: 83 Resp: 4583

Ion	Ratio	Lower	Upper
83	100		
85	50.6	44.7	84.7
47	24.6	14.4	54.4

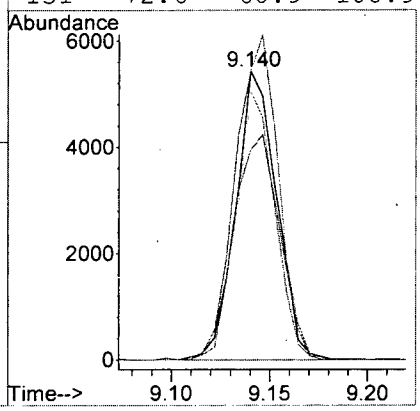




#71
Tetrachloroethene
Concen: 3.90 ug/L
RT: 9.140 min Scan# 1321
Delta R.T. -0.006 min
Lab File: F6064.D
Acq: 17 Feb 2016 4:52 pm

Tgt Ion:164 Resp: 7820

Ion	Ratio	Lower	Upper
164	100		
166	100.1	100.5	140.5#
129	93.1	68.0	108.0
131	72.6	68.9	108.9



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6065.D
Acq On : 17 Feb 2016 5:17 pm
Operator : F. Naegler
Sample : R1601321-003|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 18 10:25:08 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

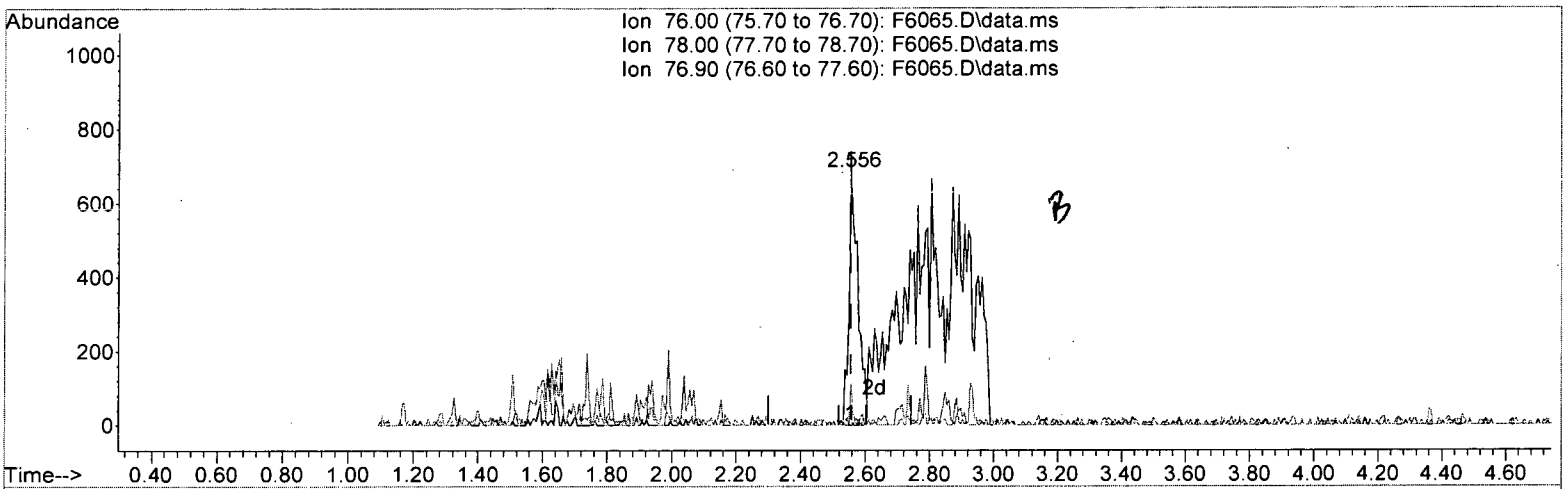
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	269392	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	384408	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	334000	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	179913	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	116499	49.28	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 98.56%			
46) surr1,1,2-dichloroetha...	6.025	65	156781	54.99	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 109.98%			
64) SURR3,Toluene-d8	8.488	98	469899	50.73	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.46%			
69) SURR2,BFB	11.018	95	180239	49.80	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.60%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.373	62	2676	0.70	ug/L #	1
15) Acetone	2.422	43	1320	0.70	ug/L	82
18) Carbon Disulfide	2.556	76	9133m	1.44	ug/L	
26) trans-1,2-Dichloroethene	3.160	96	526	0.23	ug/L #	79
33) cis-1,2-Dichloroethene	4.611	96	11294	4.24	ug/L #	85

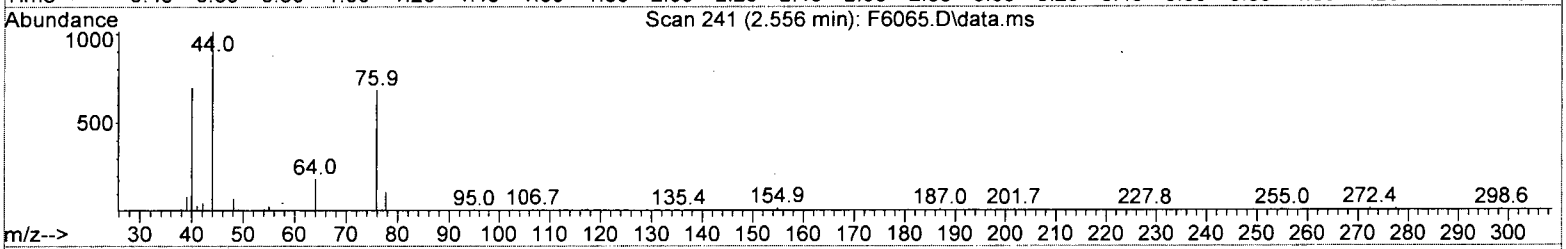
(#) = qualifier out of range (m) = manual integration (+) = signals summed

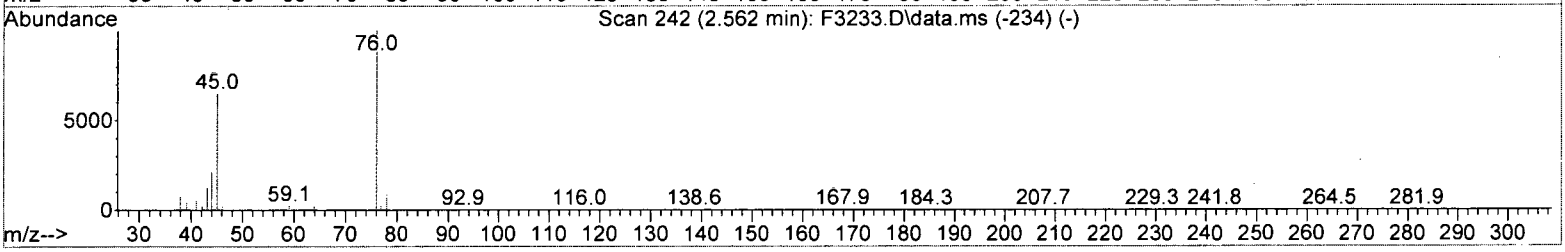
FN
2/18/16

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6065.D
Acq On : 17 Feb 2016 5:17 pm
Operator : F. Naegler
Sample : R1601321-003|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 17 17:31:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration







TIC: F6065.D\data.ms

(18) Carbon Disulfide (P)

2.556min (+0.000) 0.21 ug/L

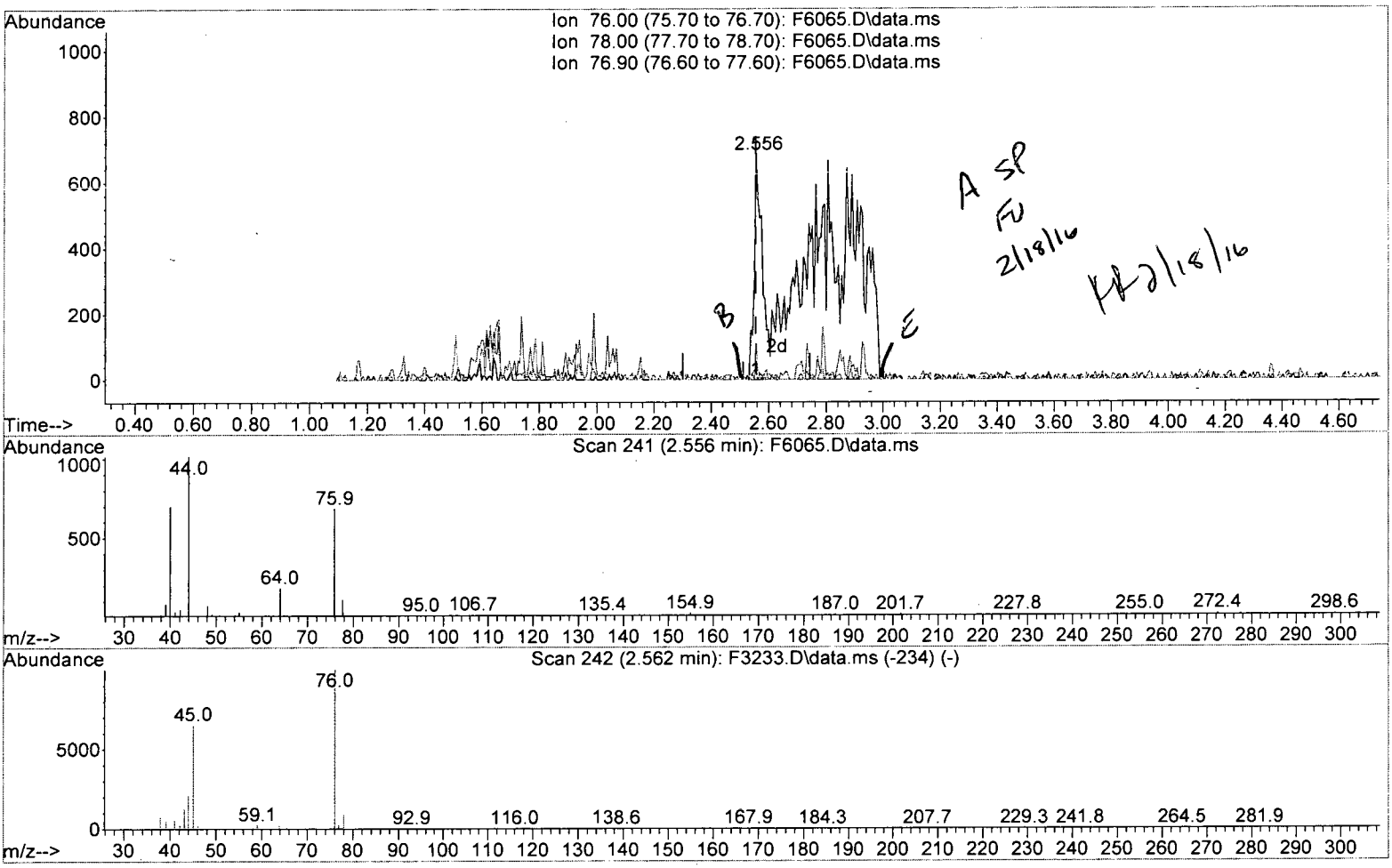
response 1347

Ion	Exp%	Act%
76.00	100	100
78.00	9.40	16.23
76.90	2.70	2.05
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6065.D
Acq On : 17 Feb 2016 5:17 pm
Operator : F. Naegler
Sample : R1601321-003|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 17 17:31:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6065.D\data.ms

(18) Carbon Disulfide (P)

2.556min (+0.000) 1.44 ug/L m

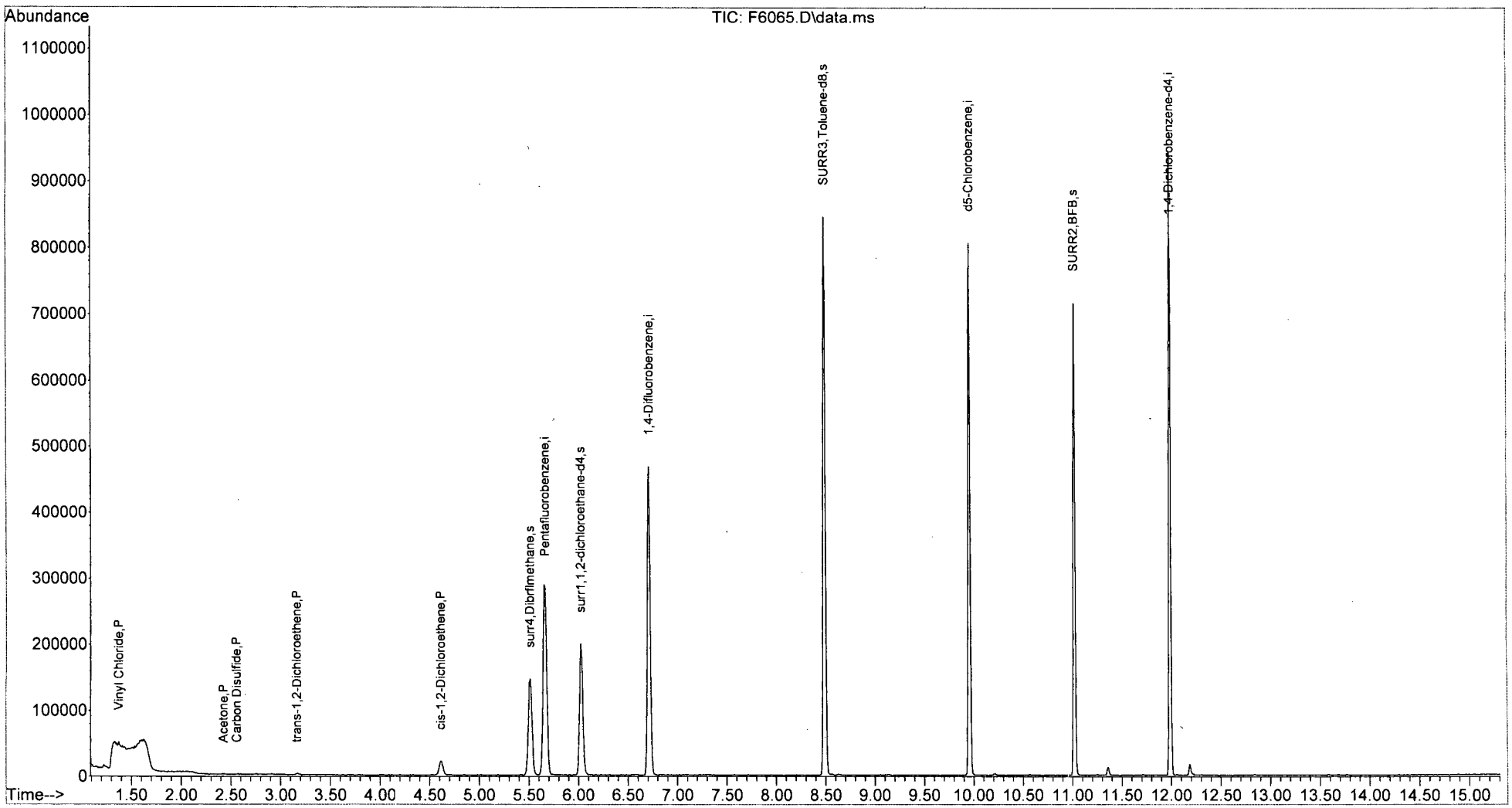
response 9133

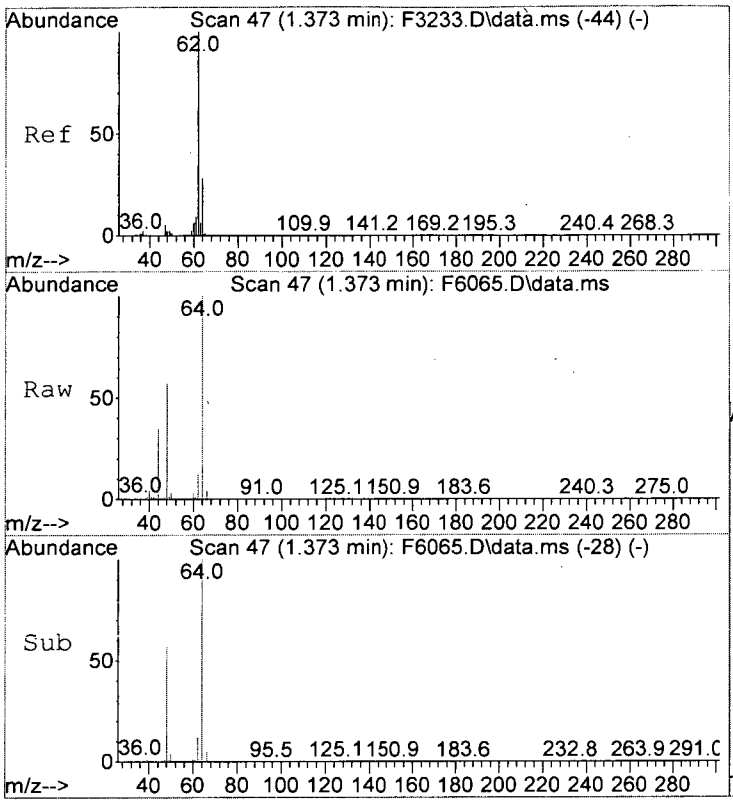
Ion	Exp%	Act%
76.00	100	100
78.00	9.40	16.23
76.90	2.70	2.05
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6065.D
Acq On : 17 Feb 2016 5:17 pm
Operator : F. Naegler
Sample : R1601321-003|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 18 10:25:08 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

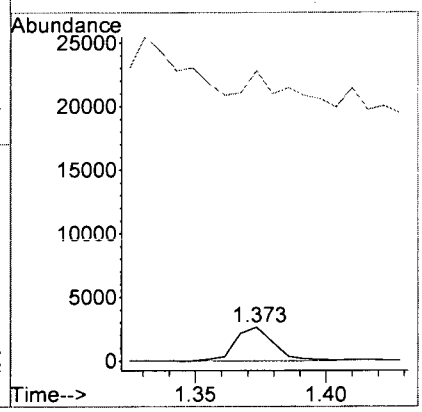


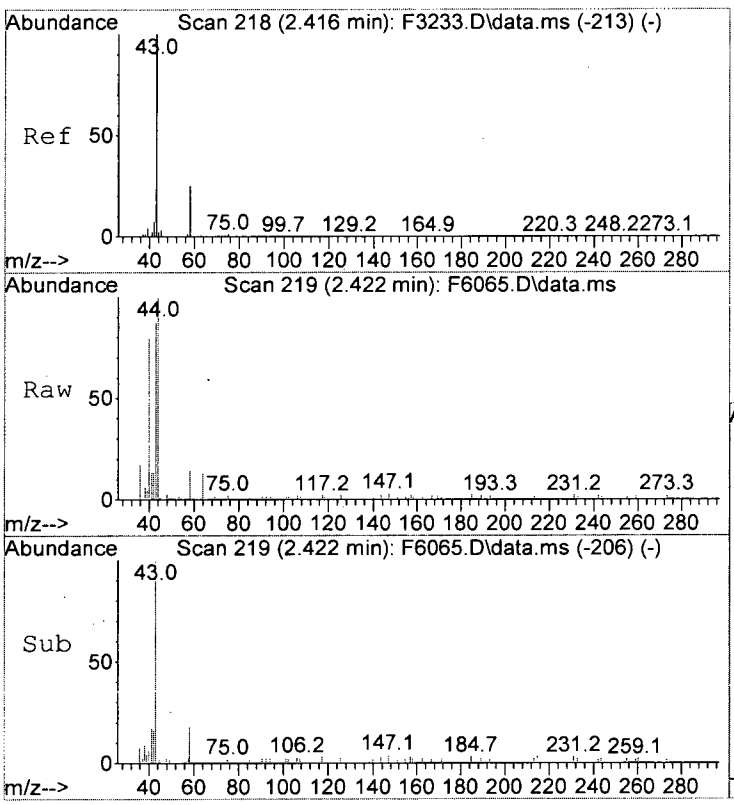


#4
Vinyl Chloride
Concen: 0.70 ug/L
RT: 1.373 min Scan# 47
Delta R.T. 0.000 min
Lab File: F6065.D
Acq: 17 Feb 2016 5:17 pm

Tgt Ion: 62 Resp: 2676

Ion	Ratio	Lower	Upper
62	100		
64	864.4	8.4	48.4#

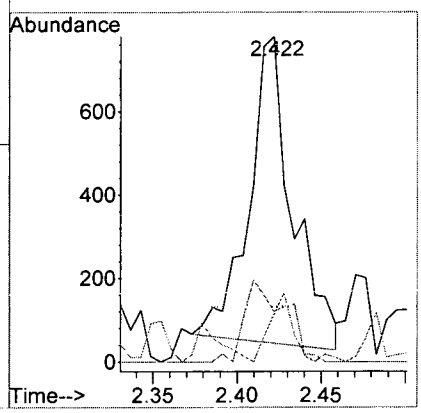


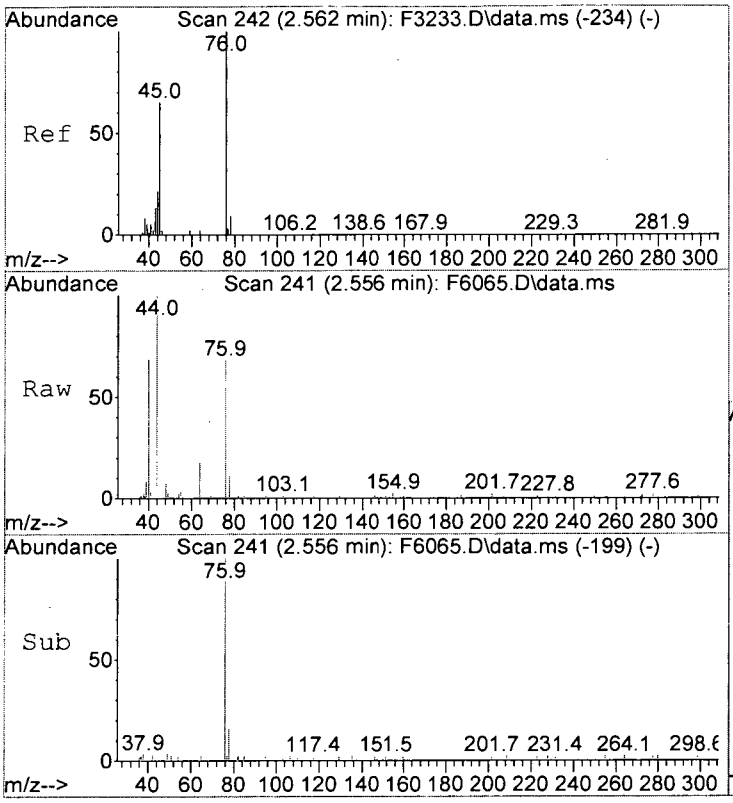


#15
Acetone
Concen: 0.70 ug/L
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: F6065.D
Acq: 17 Feb 2016 5:17 pm

Tgt Ion: 43 Resp: 1320

Ion	Ratio	Lower	Upper
43	100		
58	15.5	4.3	44.3
42	14.6	0.0	27.3

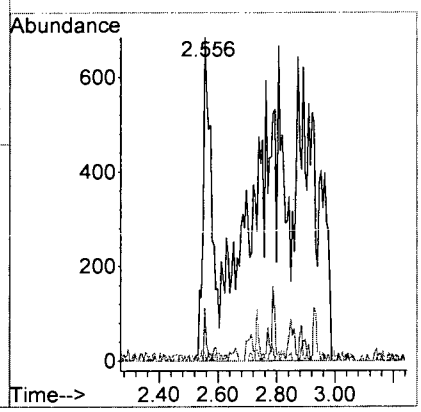


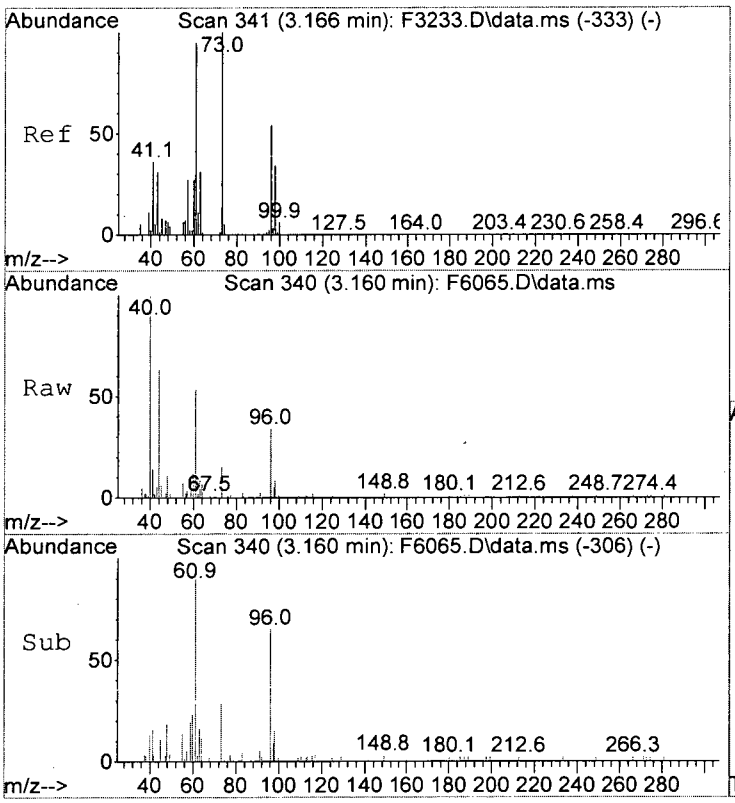


#18
Carbon Disulfide
Concen: 1.44 ug/L m
RT: 2.556 min Scan# 241
Delta R.T. 0.000 min
Lab File: F6065.D
Acq: 17 Feb 2016 5:17 pm

Tgt Ion: 76 Resp: 9133

Ion	Ratio	Lower	Upper
76	100		
78	16.2	0.0	29.4
77	2.0	0.0	22.7

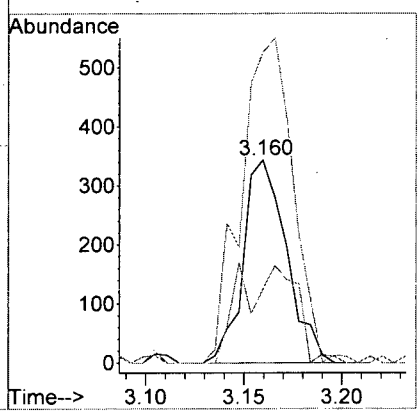


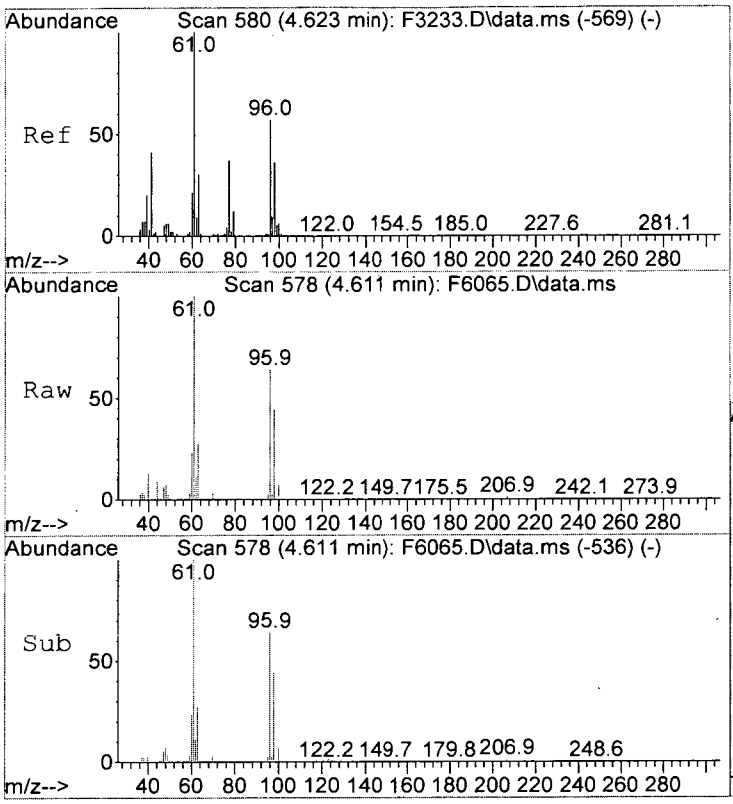


#26
trans-1,2-Dichloroethene
Concen: 0.23 ug/L
RT: 3.160 min Scan# 340
Delta R.T. 0.000 min
Lab File: F6065.D
Acq: 17 Feb 2016 5:17 pm

Tgt Ion: 96 Resp: 526

Ion	Ratio	Lower	Upper
96	100		
98	36.2	42.3	82.3#
61	153.1	155.3	195.3#

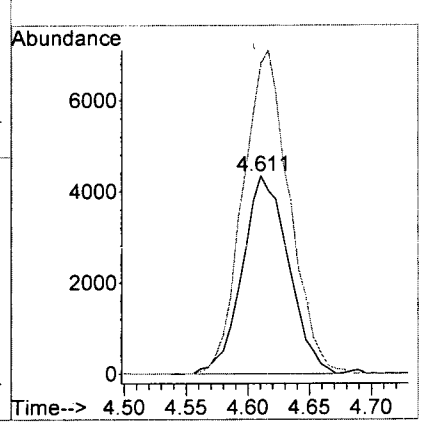




#33
cis-1,2-Dichloroethene
Concen: 4.24 ug/L
RT: 4.611 min Scan# 578
Delta R.T. -0.006 min
Lab File: F6065.D
Acq: 17 Feb 2016 5:17 pm

Tgt Ion: 96 Resp: 11294

Ion	Ratio	Lower	Upper
96	100		
61	156.6	157.0	197.0#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6062.D
Acq On : 17 Feb 2016 4:04 pm
Operator : F. Naegler
Sample : R1601321-004|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 18 10:18:25 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	273985	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	389169	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	338406	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	180377	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	114204	47.72	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 95.44%			
46) surr1,1,2-dichloroetha...	6.025	65	153264	53.10	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.20%			
64) SURR3,Toluene-d8	8.488	98	459972	49.05	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.10%			
69) SURR2,BFB	11.018	95	179673	49.04	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.08%			
Target Compounds						Qvalue
15) Acetone	2.422	43	1299	0.68	ug/L	92
22) Methylene Chloride	2.843	84	3594	1.33	ug/L #	76
88) Cyclohexanone	10.963	55	218	0.30	ug/L #	61

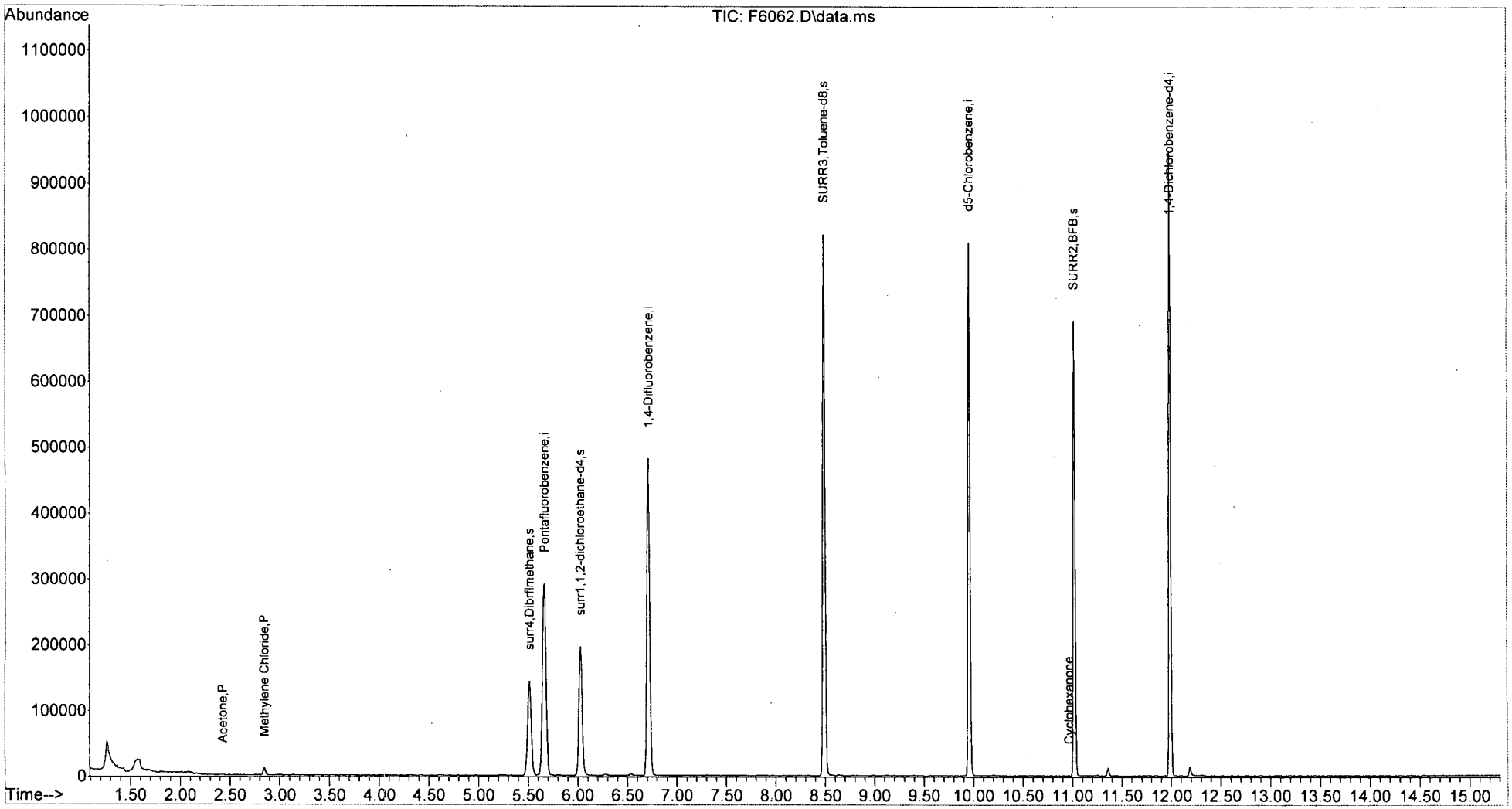
(#) = qualifier out of range (m) = manual integration (+) = signals summed

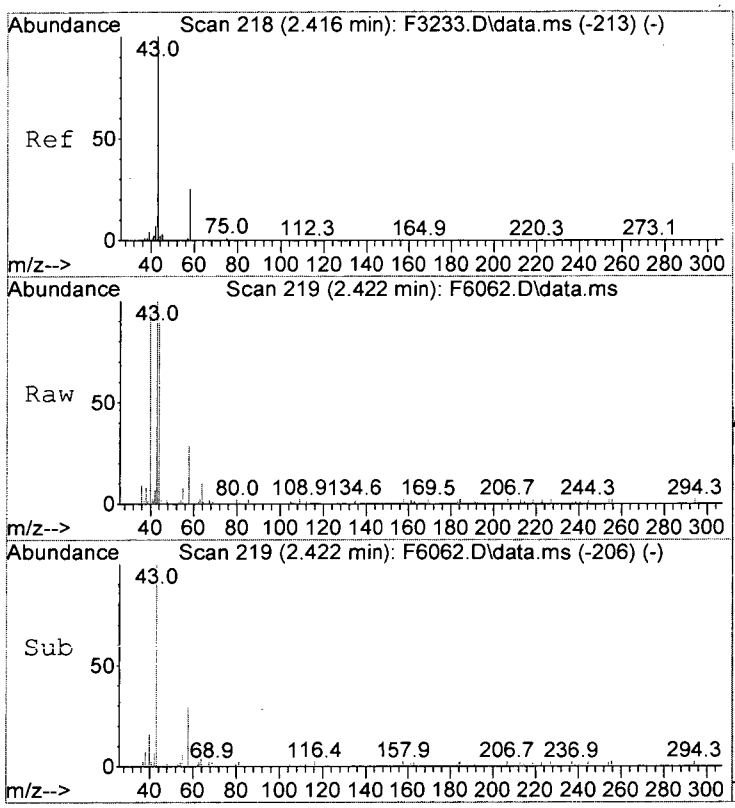
FU
2/18/16

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6062.D
Acq On : 17 Feb 2016 4:04 pm
Operator : F. Naegler
Sample : R1601321-004|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 18 10:18:25 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

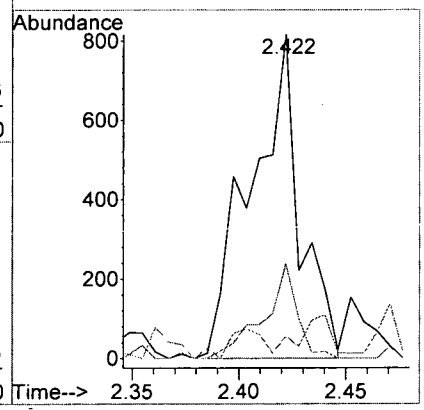


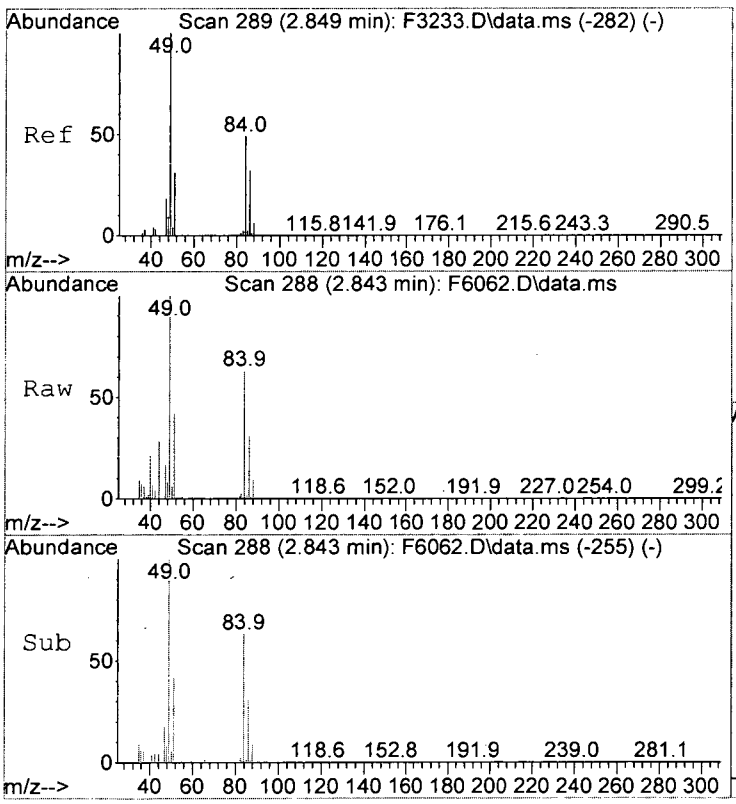


#15
Acetone
Concen: 0.68 ug/L
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: F6062.D
Acq: 17 Feb 2016 4:04 pm

Tgt Ion: 43 Resp: 1299

Ion	Ratio	Lower	Upper
43	100		
58	29.2	4.3	44.3
42	6.7	0.0	27.3

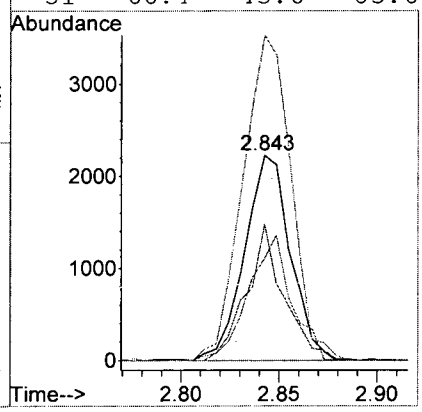


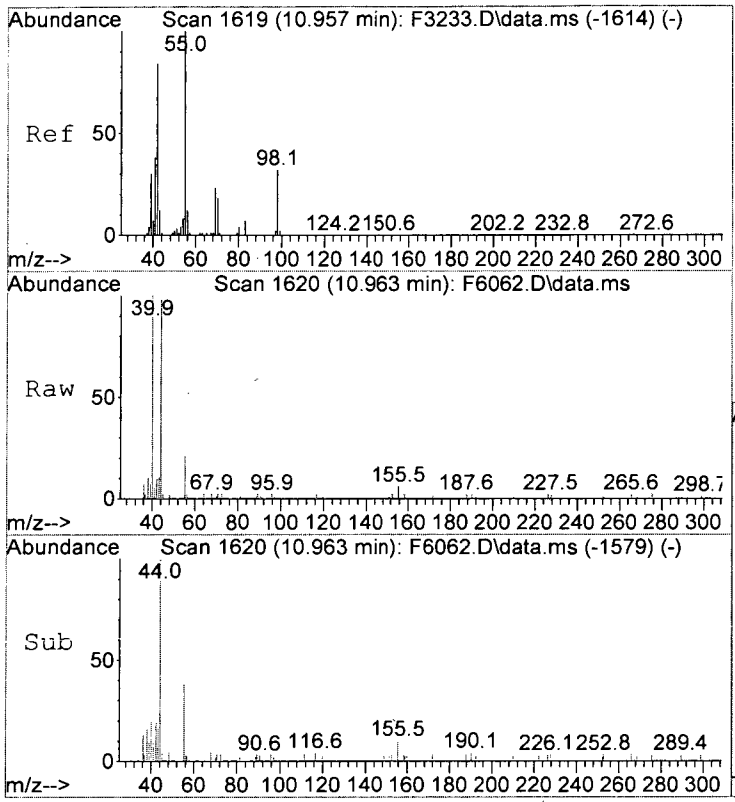


#22
Methylene Chloride
Concen: 1.33 ug/L
RT: 2.843 min Scan# 288
Delta R.T. 0.000 min
Lab File: F6062.D
Acq: 17 Feb 2016 4:04 pm

Tgt Ion: 84 Resp: 3594

Ion	Ratio	Lower	Upper
84	100		
86	49.7	46.0	86.0
49	158.5	186.0	226.0#
51	66.4	43.6	83.6

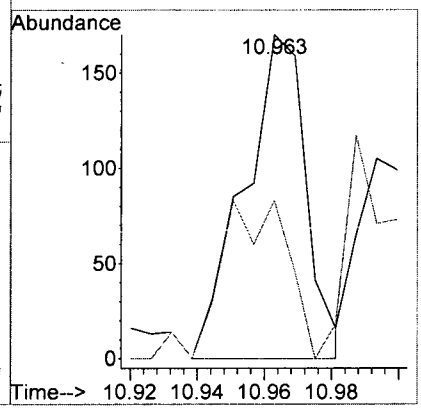




#88
Cyclohexanone
Concen: 0.30 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: F6062.D
Acq: 17 Feb 2016 4:04 pm

Tgt Ion: 55 Resp: 218

Ion	Ratio	Lower	Upper
55	100		
42	48.8	64.3	104.3#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6061.D
Acq On : 17 Feb 2016 3:40 pm
Operator : F. Naegler
Sample : R1601321-005|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 18 10:17:11 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	264861	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	376630	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	333486	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	179863	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	115638	49.92	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 99.84%			
46) surr1,1,2-dichloroetha...	6.025	65	152604	54.63	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 109.26%			
64) SURR3,Toluene-d8	8.488	98	462048	50.91	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.82%			
69) SURR2,BFB	11.018	95	177656	50.10	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.20%			
Target Compounds						Qvalue
15) Acetone	2.410	43	1148	0.62	ug/L	92

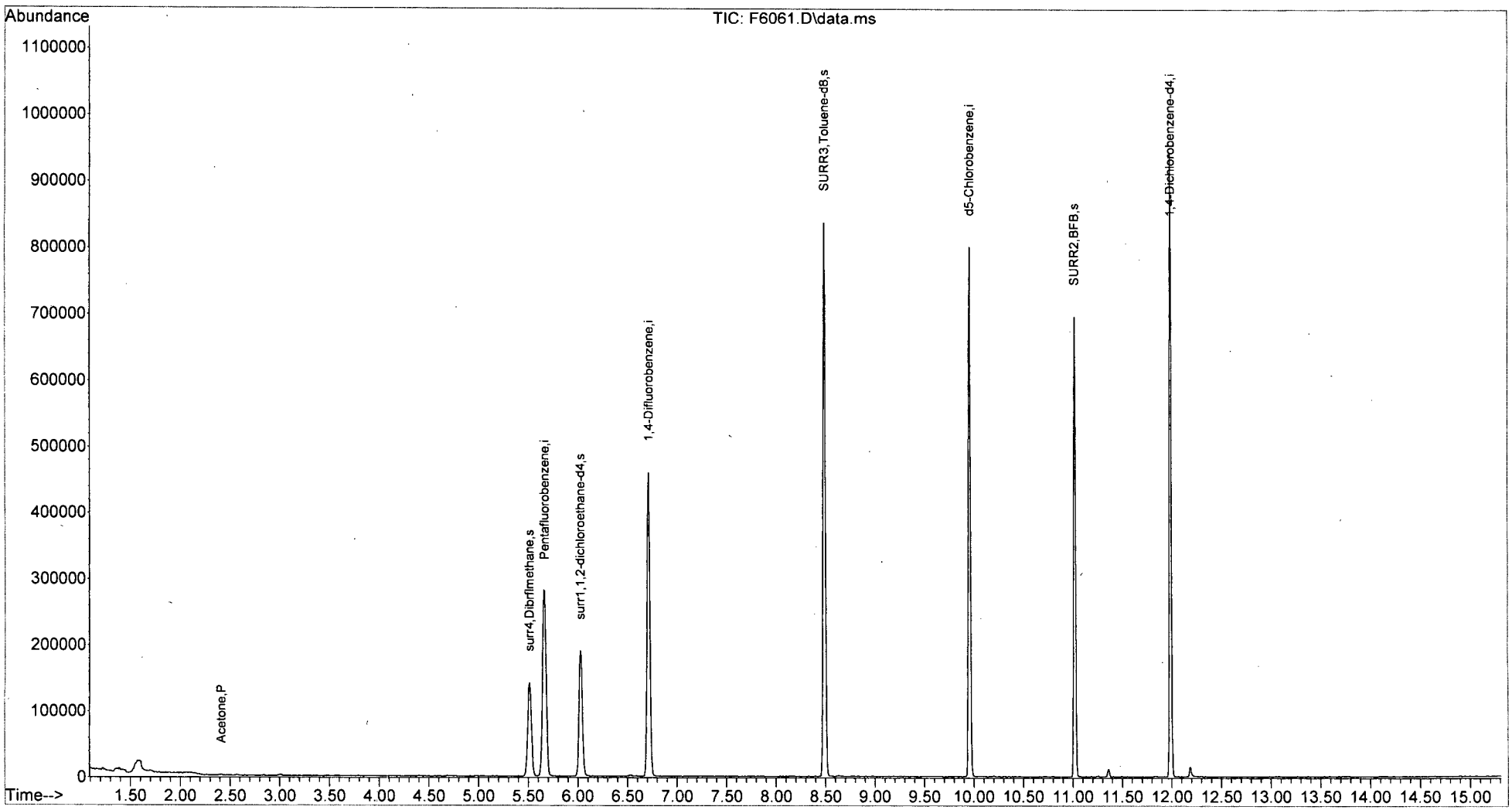
(#) = qualifier out of range (m) = manual integration (+) = signals summed

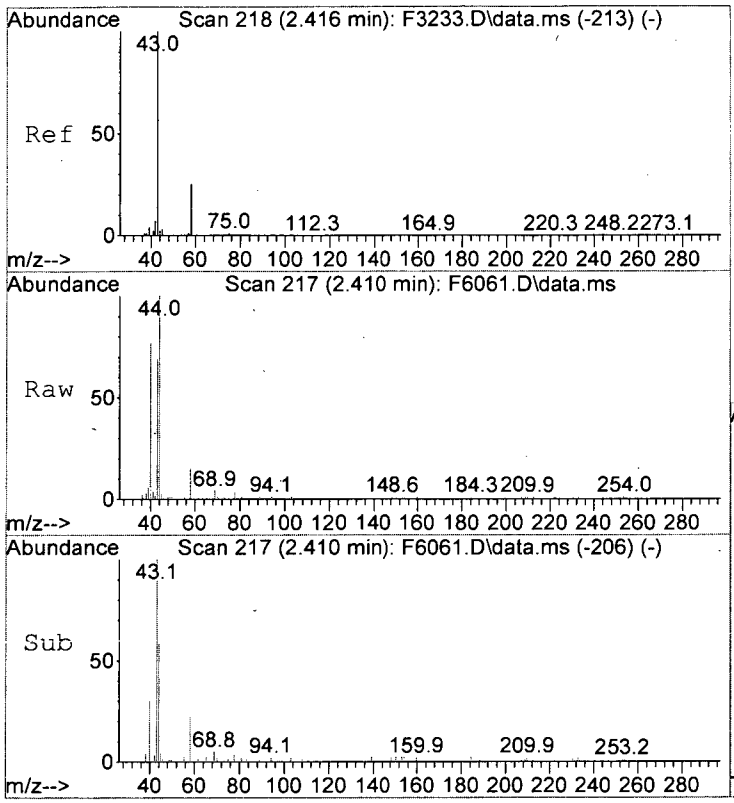
FJ
2/18/16

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6061.D
Acq On : 17 Feb 2016 3:40 pm
Operator : F. Naegler
Sample : R1601321-005|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 18 10:17:11 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

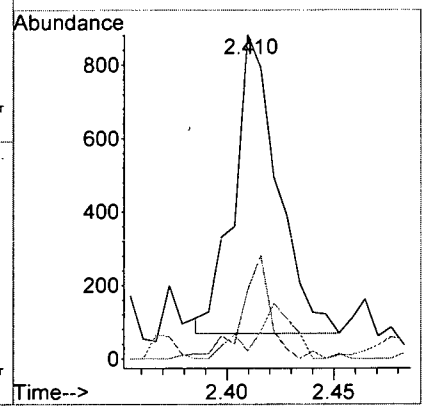




#15
Acetone
Concen: 0.62 ug/L
RT: 2.410 min Scan# 217
Delta R.T. -0.006 min
Lab File: F6061.D
Acq: 17 Feb 2016 3:40 pm

Tgt Ion: 43 Resp: 1148

Ion	Ratio	Lower	Upper
43	100		
58	21.2	4.3	44.3
42	2.4	0.0	27.3



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6066.D
Acq On : 17 Feb 2016 5:41 pm
Operator : F. Naegler
Sample : R1601321-006|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 18 10:26:11 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	270684	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	386845	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	340156	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	179015	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	118673	49.88	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 99.76%			
46) surr1,1,2-dichloroetha...	6.025	65	157121	54.76	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 109.52%			
64) SURR3,Toluene-d8	8.488	98	471522	50.59	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.18%			
69) SURR2,BFB	11.018	95	184002	50.52	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 101.04%			
Target Compounds						Qvalue
15) Acetone	2.416	43	44886	23.80	ug/L	98
16) 2-Propanol	2.586	45	3740	9.08	ug/L	83
65) Toluene	8.561	91	3400	0.33	ug/L	84
103) p-Isopropyltoluene	11.975	119	3944	0.41	ug/L	86

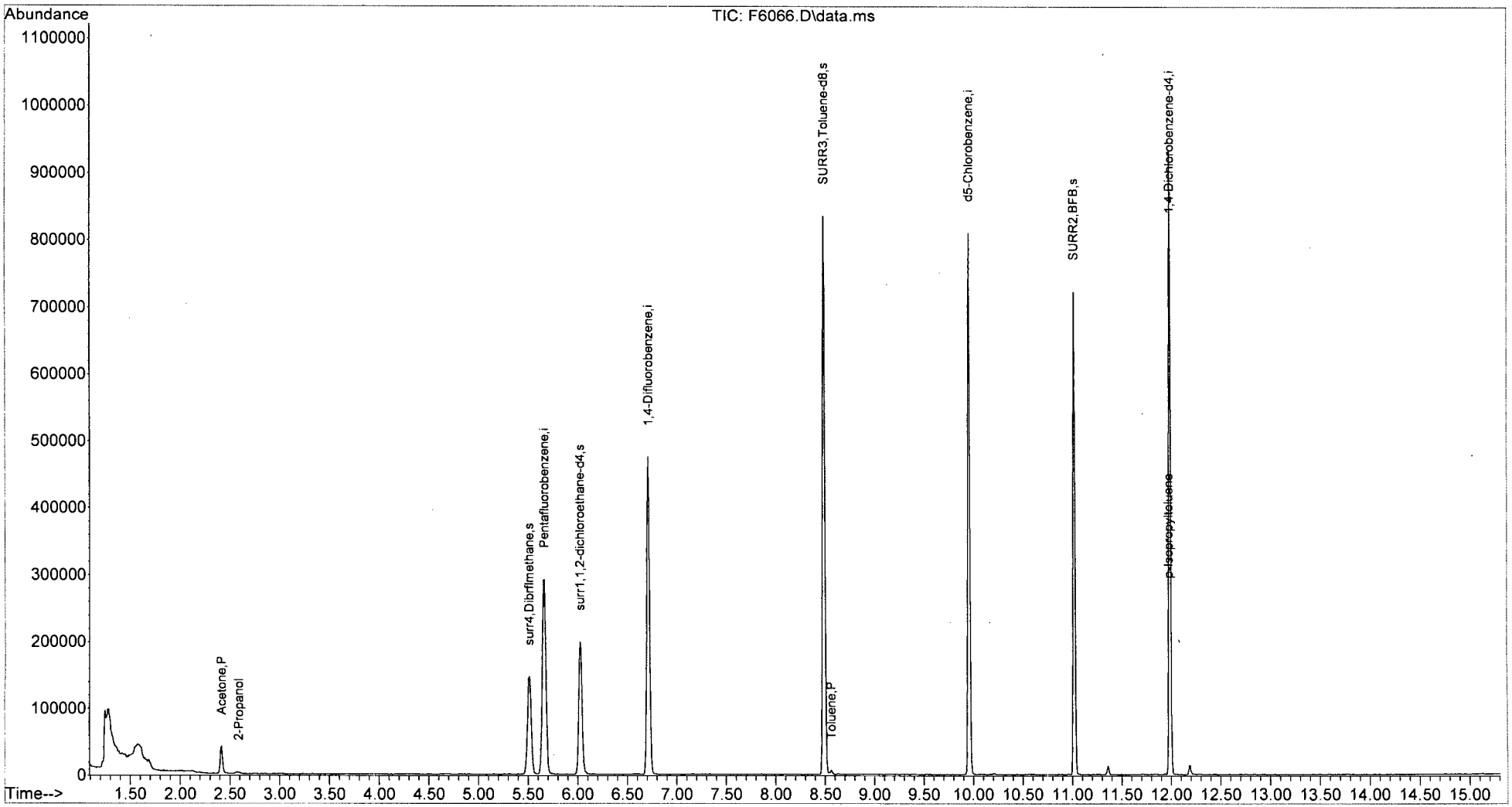
(#) = qualifier out of range (m) = manual integration (+) = signals summed

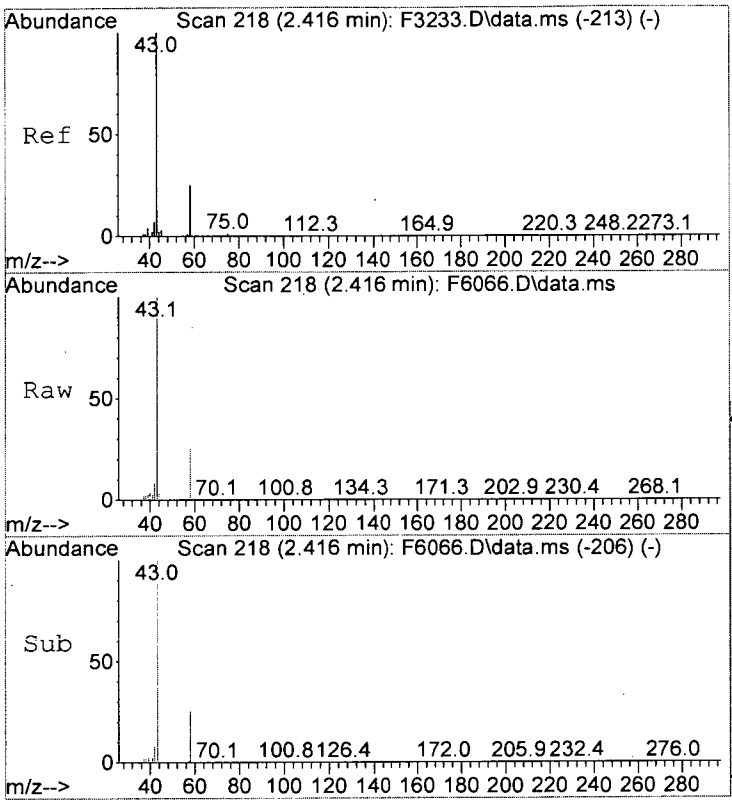
FV
2/18/16

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6066.D
Acq On : 17 Feb 2016 5:41 pm
Operator : F. Naegler
Sample : R1601321-006|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 18 10:26:11 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

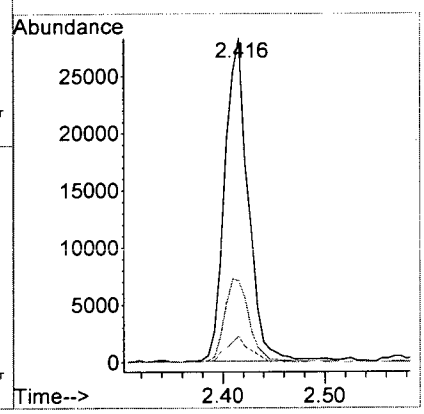


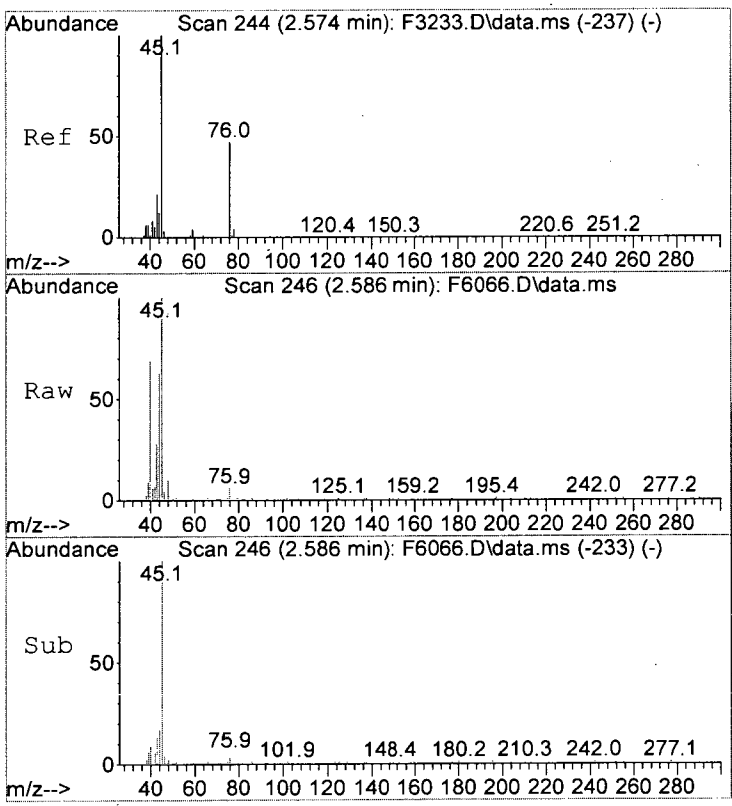


#15
Acetone
Concen: 23.80 ug/L
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: F6066.D
Acq: 17 Feb 2016 5:41 pm

Tgt Ion: 43 Resp: 44886

Ion	Ratio	Lower	Upper
43	100		
58	25.1	4.3	44.3
42	8.0	0.0	27.3

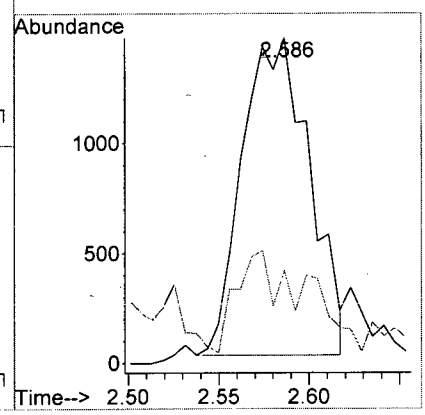


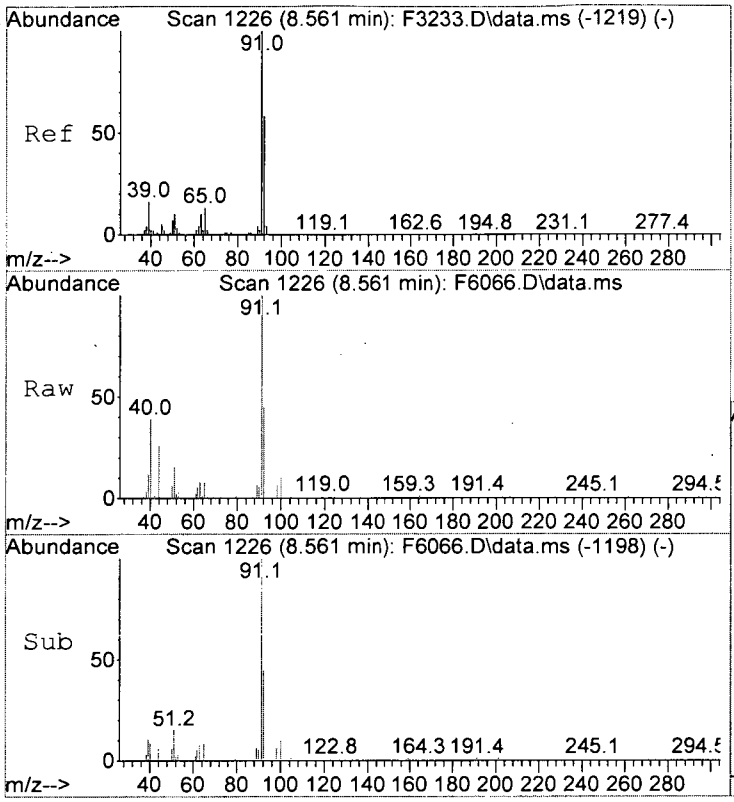


#16
2-Propanol
Concen: 9.08 ug/L
RT: 2.586 min Scan# 246
Delta R.T. -0.030 min
Lab File: F6066.D
Acq: 17 Feb 2016 5:41 pm

Tgt Ion: 45 Resp: 3740

Ion	Ratio	Lower	Upper
45	100		
43	28.3	0.6	40.6

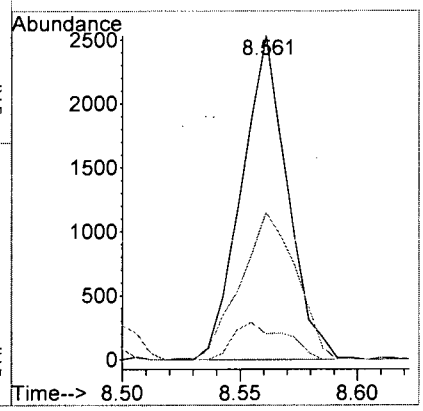


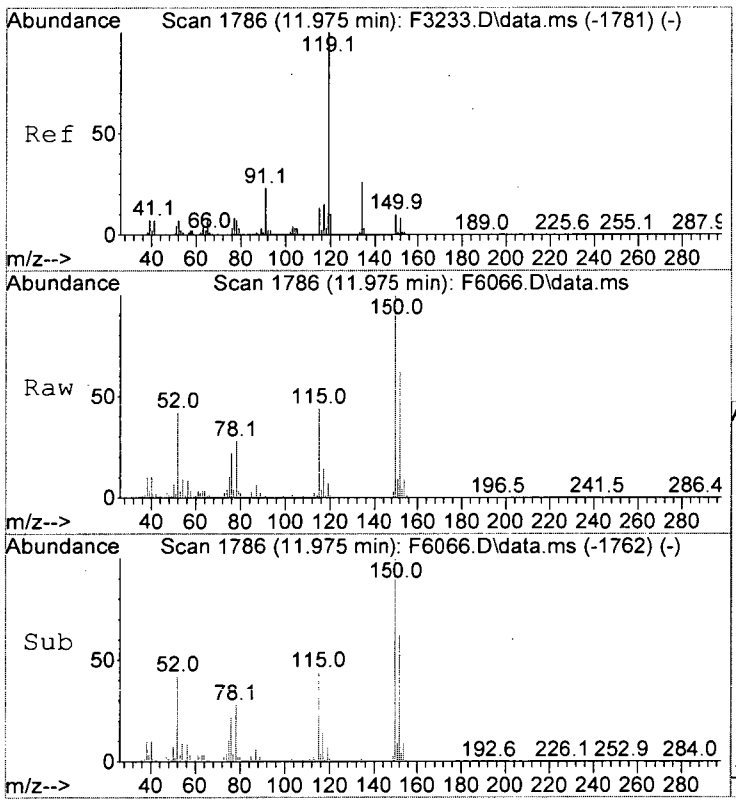


#65
Toluene
Concen: 0.33 ug/L
RT: 8.561 min Scan# 1226
Delta R.T. 0.000 min
Lab File: F6066.D
Acq: 17 Feb 2016 5:41 pm

Tgt Ion: 91 Resp: 3400

Ion	Ratio	Lower	Upper
91	100		
92	45.4	38.2	78.2
65	7.9	0.0	33.1

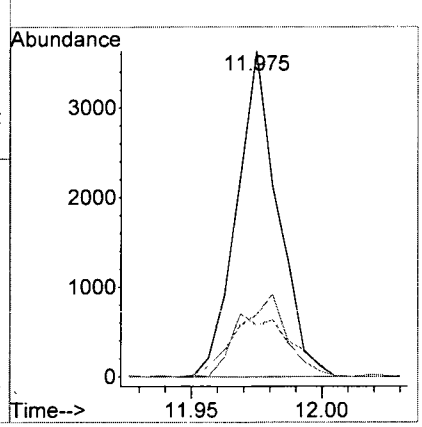




#103
p-Isopropyltoluene
Concen: 0.41 ug/L
RT: 11.975 min Scan# 1786
Delta R.T. 0.000 min
Lab File: F6066.D
Acq: 17 Feb 2016 5:41 pm

Tgt Ion:119 Resp: 3944

Ion	Ratio	Lower	Upper
119	100		
134	15.8	5.8	45.8
91	18.9	2.7	42.7



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6067.D
Acq On : 17 Feb 2016 6:05 pm
Operator : F. Naegler
Sample : R1601321-007|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 18 10:27:41 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	274446	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	392691	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	345412	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	179093	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	120235	49.79	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 99.58%			
46) surr1,1,2-dichloroetha...	6.025	65	156739	53.82	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.64%			
64) SURR3,Toluene-d8	8.488	98	476695	50.38	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.76%			
69) SURR2,BFB	11.018	95	183877	49.73	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.46%			
Target Compounds						Qvalue
15) Acetone	2.416	43	1213	0.63	ug/L	72

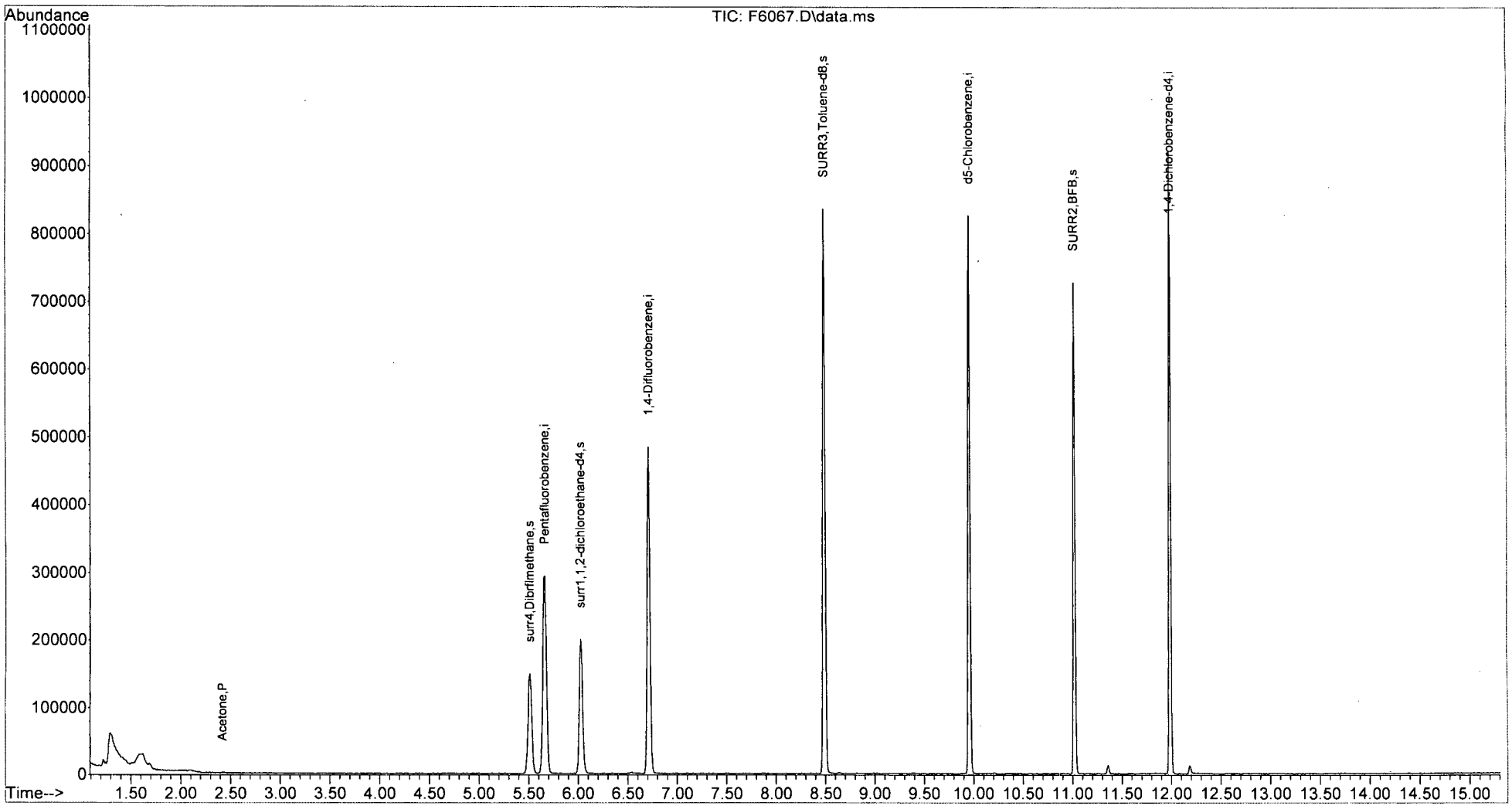
(#) = qualifier out of range (m) = manual integration (+) = signals summed

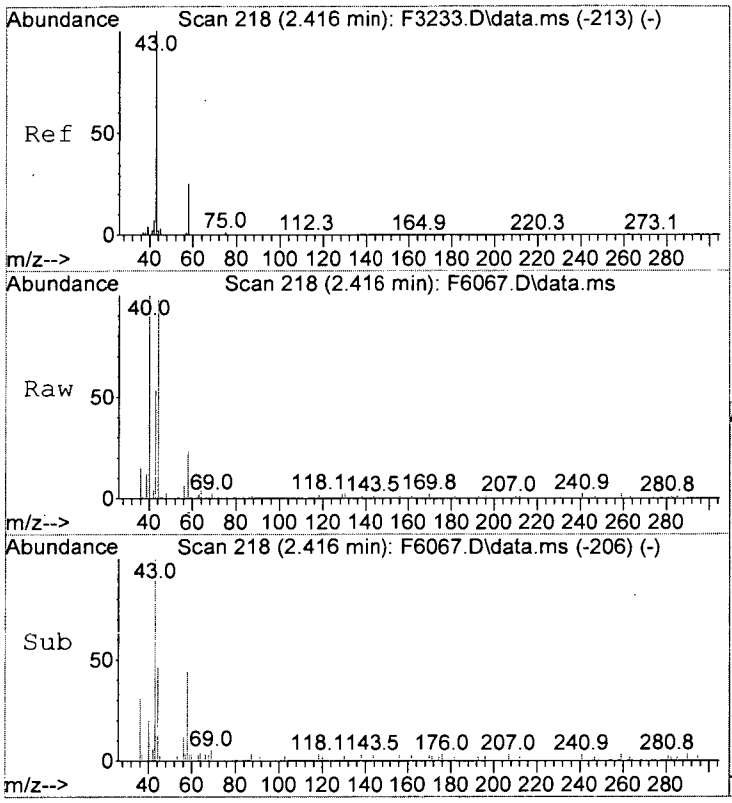
FV
2/18/16

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6067.D
Acq On : 17 Feb 2016 6:05 pm
Operator : F. Naegler
Sample : R1601321-007|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 18 10:27:41 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

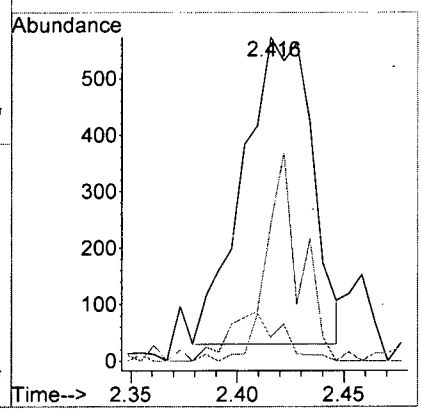




#15
Acetone
Concen: 0.63 ug/L
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: F6067.D
Acq: 17 Feb 2016 6:05 pm

Tgt Ion: 43 Resp: 1213

Ion	Ratio	Lower	Upper
43	100		
58	42.2	4.3	44.3
42	7.3	0.0	27.3



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6068.D
Acq On : 17 Feb 2016 6:29 pm
Operator : F. Naegler
Sample : R1601321-008|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 18 10:29:09 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	258976	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	375079	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	327897	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	174841	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	111244	48.23	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 96.46%			
46) surr1,1,2-dichloroetha...	6.025	65	149663	53.80	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.60%			
64) SURR3,Toluene-d8	8.488	98	448499	49.63	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.26%			
69) SURR2,BFB	11.018	95	171599	48.59	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.18%			
Target Compounds						Qvalue
5) Bromomethane	1.623	94	334	Below Cal		79
15) Acetone	2.416	43	3068	1.70	ug/L	88
16) 2-Propanol	2.580	45	66341	168.34	ug/L	95

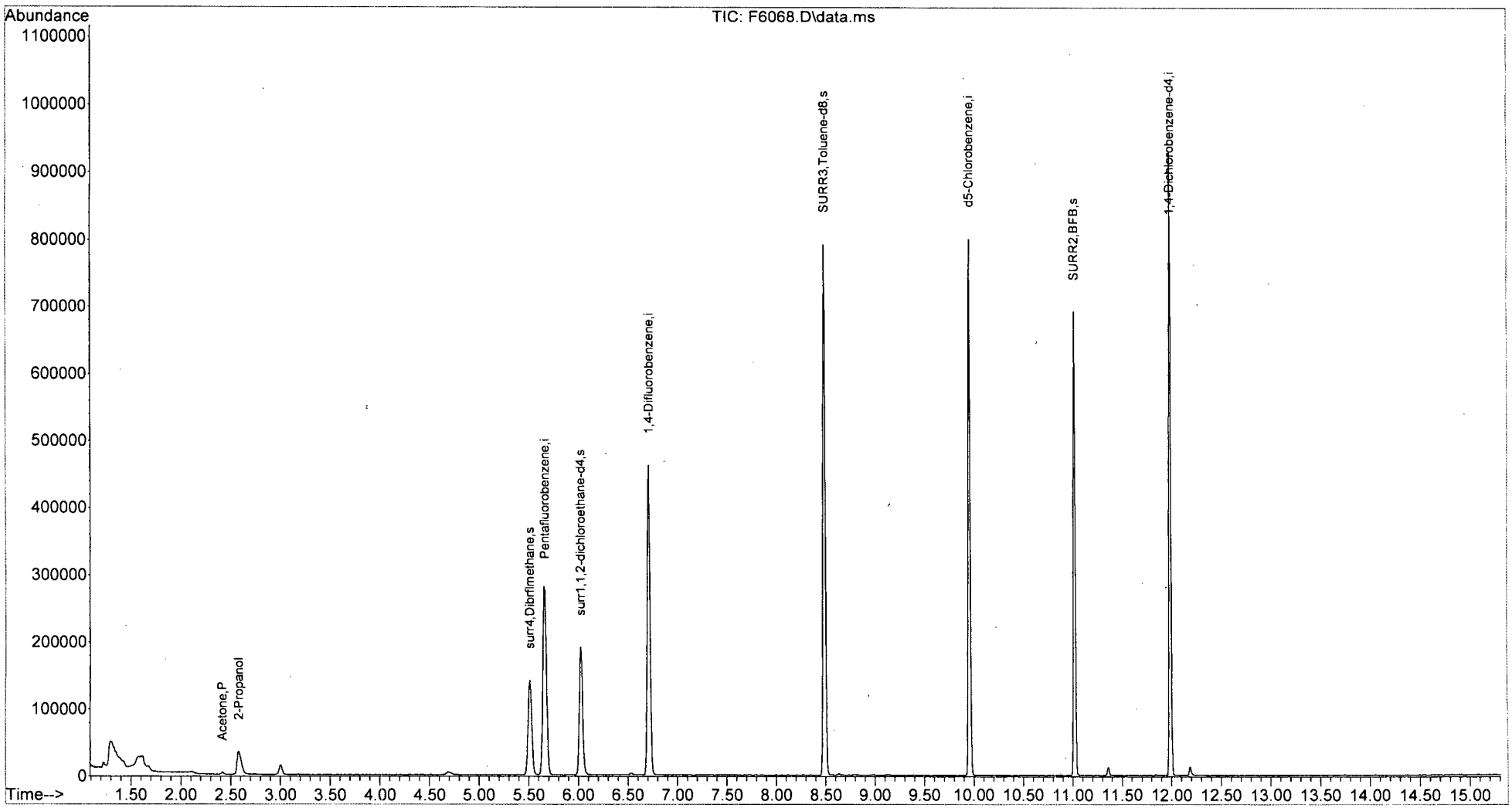
(#) = qualifier out of range (m) = manual integration (+) = signals summed

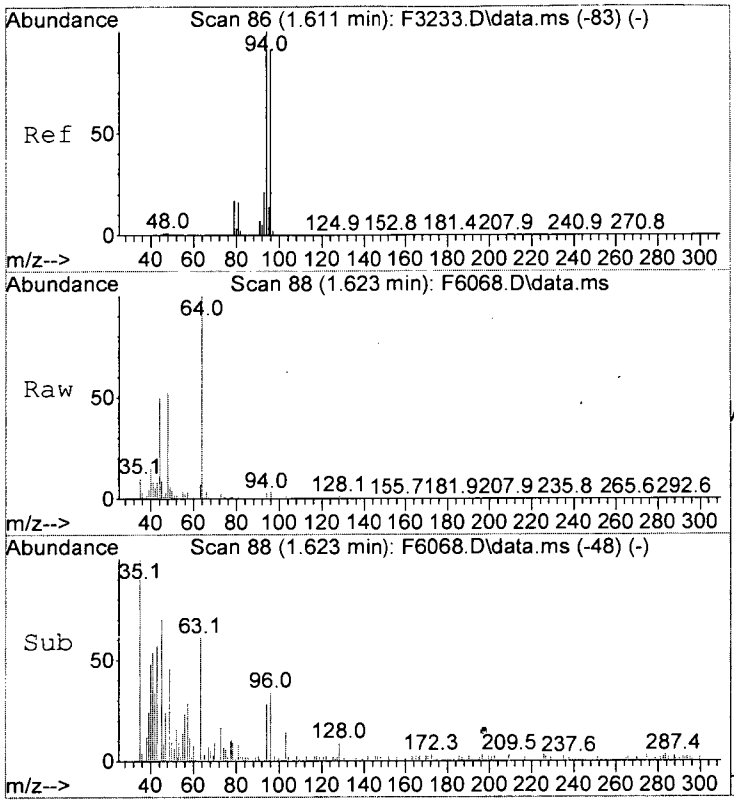
FU 2/18/16

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6068.D
Acq On : 17 Feb 2016 6:29 pm
Operator : F. Naegler
Sample : R1601321-008|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 18 10:29:09 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

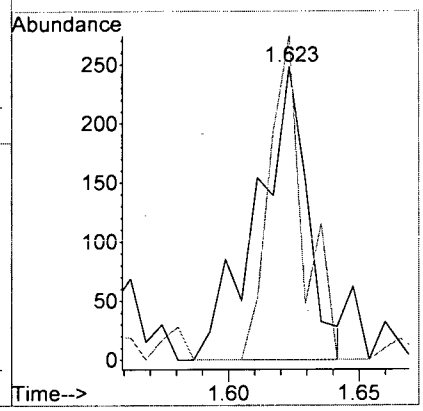


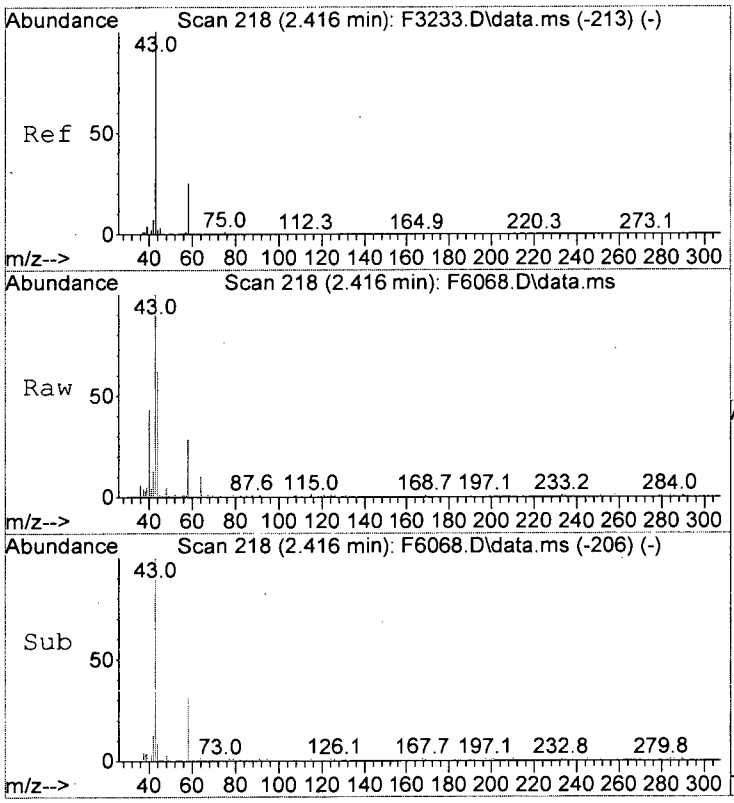


#5
Bromomethane
Concen: Below Cal
RT: 1.623 min Scan# 88
Delta R.T. 0.019 min
Lab File: F6068.D
Acq: 17 Feb 2016 6:29 pm

Tgt Ion: 94 Resp: 334

Ion	Ratio	Lower	Upper
94	100		
96	110.5	71.0	111.0

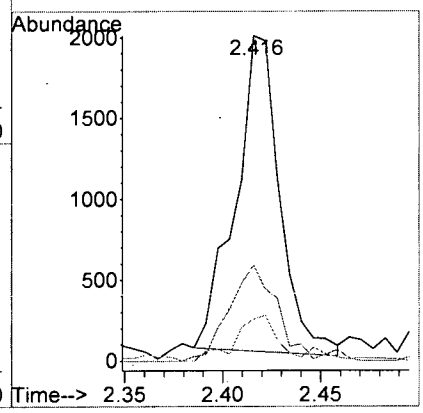


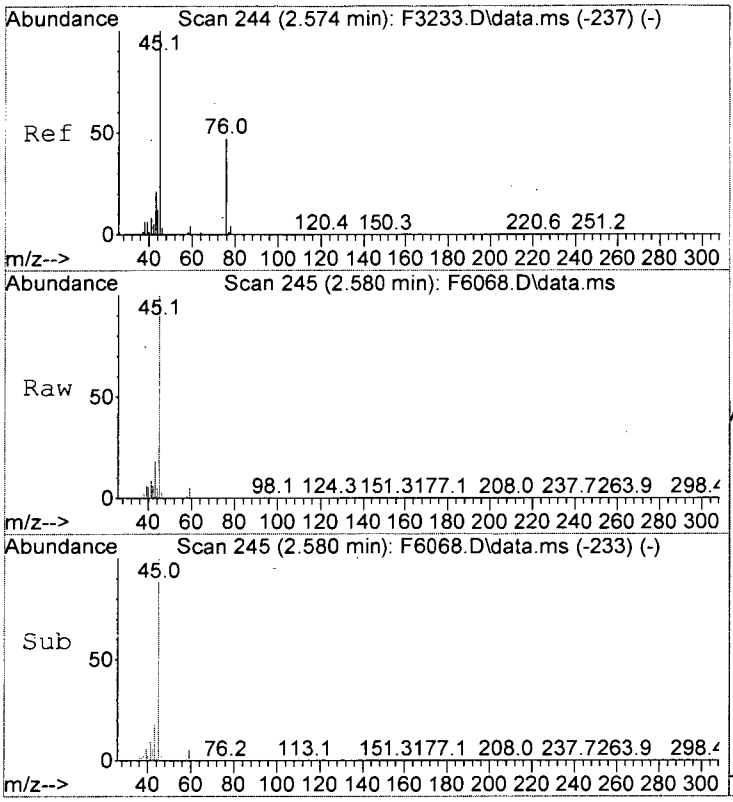


#15
Acetone
Concen: 1.70 ug/L
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: F6068.D
Acq: 17 Feb 2016 6:29 pm

Tgt Ion: 43 Resp: 3068

Ion	Ratio	Lower	Upper
43	100		
58	29.4	4.3	44.3
42	12.8	0.0	27.3

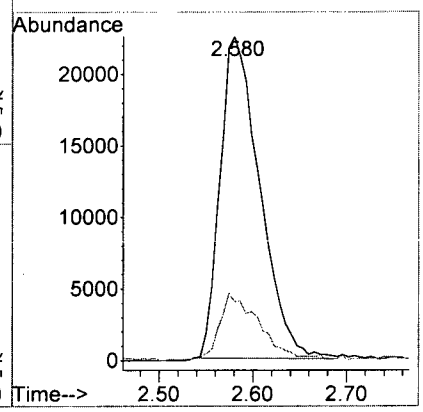




#16
2-Propanol
Concen: 168.34 ug/L
RT: 2.580 min Scan# 245
Delta R.T. -0.036 min
Lab File: F6068.D
Acq: 17 Feb 2016 6:29 pm

Tgt Ion: 45 Resp: 66341

Ion	Ratio	Lower	Upper
45	100		
43	18.1	0.6	40.6



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6069.D
Acq On : 17 Feb 2016 6:53 pm
Operator : F. Naegler
Sample : R1601321-009|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 18 10:30:28 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	279831	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	399152	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	352992	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	188857	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.507	113	118724	48.36	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 96.72%			
46) surr1,1,2-dichloroetha...	6.025	65	157164	53.09	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.18%			
64) SURR3,Toluene-d8	8.488	98	470828	48.95	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.90%			
69) SURR2,BFB	11.018	95	181471	48.29	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.58%			
Target Compounds						Qvalue
15) Acetone	2.410	43	1664	0.85	ug/L	98

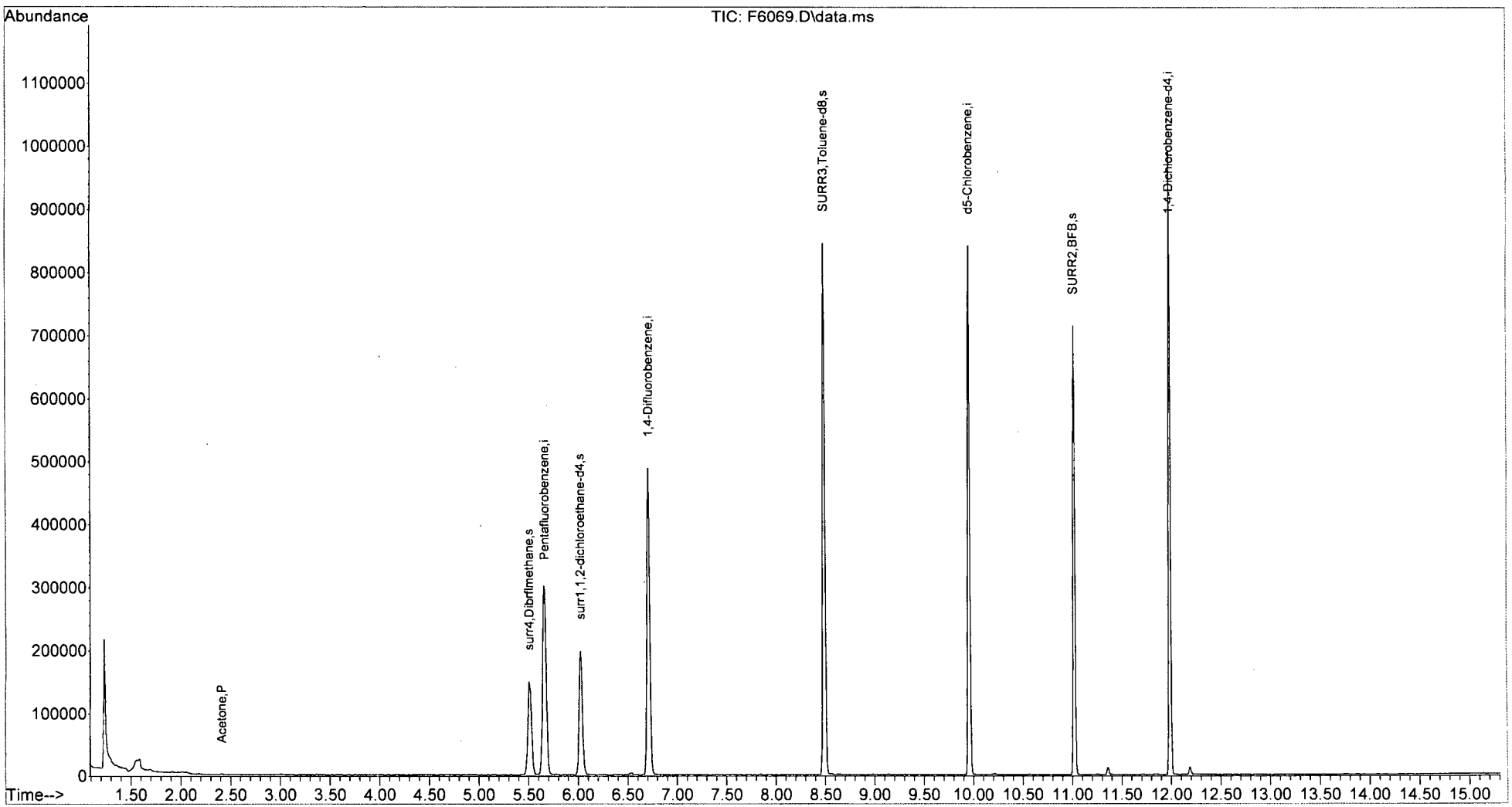
(#) = qualifier out of range (m) = manual integration (+) = signals summed

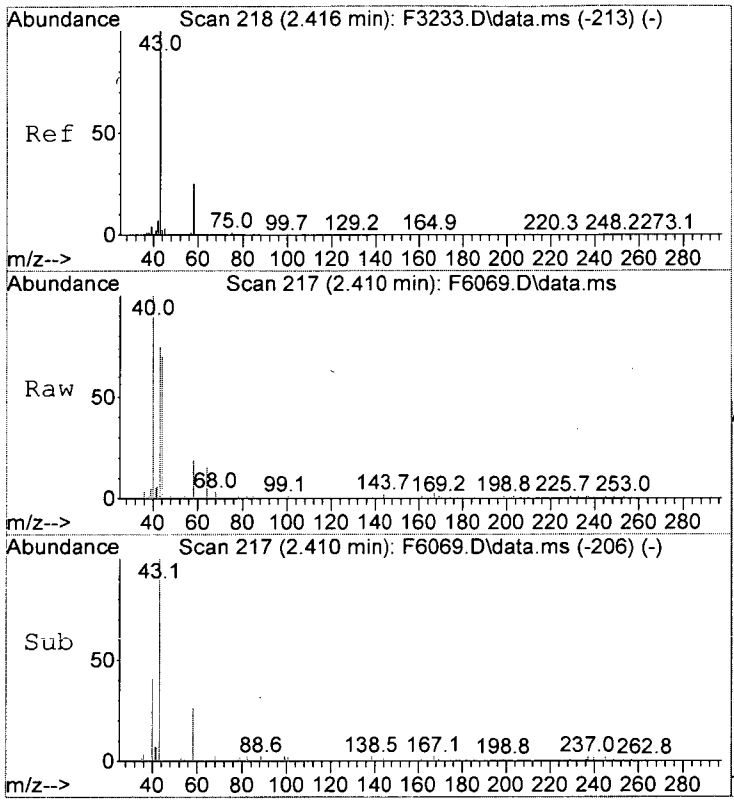
FW 2/18/16

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6069.D
Acq On : 17 Feb 2016 6:53 pm
Operator : F. Naegler
Sample : R1601321-009|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 18 10:30:28 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

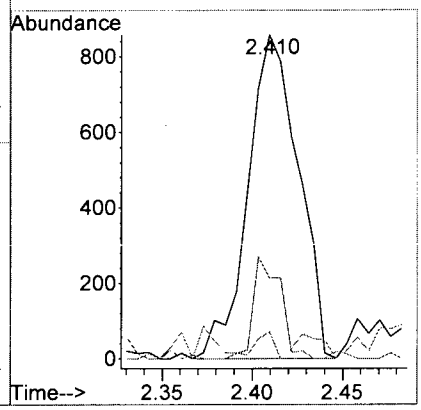




#15
Acetone
Concen: 0.85 ug/L
RT: 2.410 min Scan# 217
Delta R.T. -0.006 min
Lab File: F6069.D
Acq: 17 Feb 2016 6:53 pm

Tgt Ion: 43 Resp: 1664

Ion	Ratio	Lower	Upper
43	100		
58	25.1	4.3	44.3
42	8.3	0.0	27.3



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6070.D
Acq On : 17 Feb 2016 7:17 pm
Operator : F. Naegler
Sample : R1601321-010|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 18 10:32:58 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	253222	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	369474	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	322071	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	174033	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	111243	48.96	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 97.92%			
46) surr1,1,2-dichloroetha...	6.025	65	146529	53.47	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.94%			
64) SURR3,Toluene-d8	8.488	98	440567	49.49	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.98%			
69) SURR2,BFB	11.018	95	171314	49.25	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.50%			
Target Compounds						Qvalue
15) Acetone	2.416	43	2841	1.61	ug/L	87
33) cis-1,2-Dichloroethene	4.605	96	1457m	0.58	ug/L	
53) Trichloroethene	7.025	130	1816	0.73	ug/L	89
63) 4-Methyl-2-pentanone	8.396	43	2036	0.43	ug/L	76
71) Tetrachloroethene	9.146	164	2753	1.47	ug/L #	76

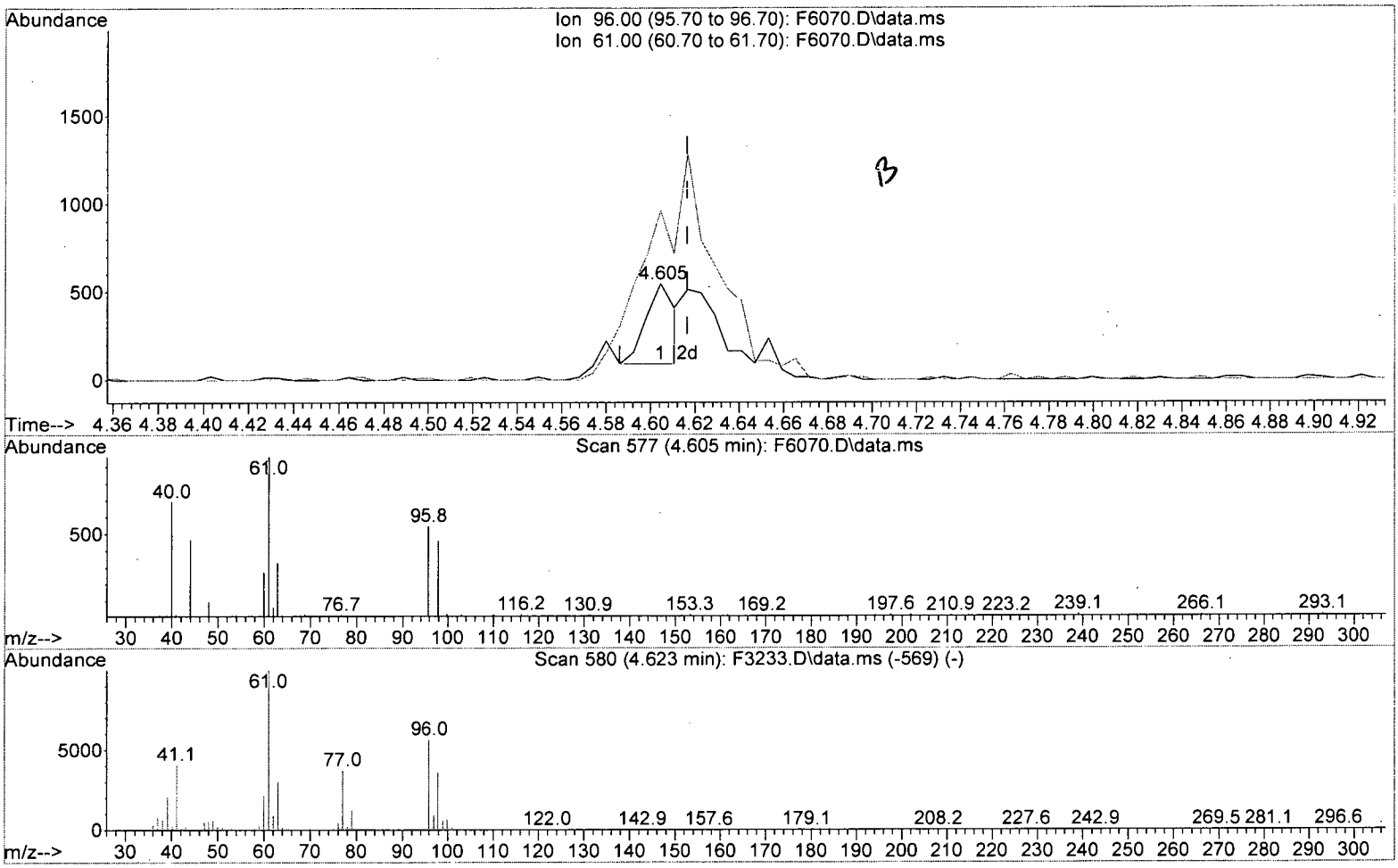
(#) = qualifier out of range (m) = manual integration (+) = signals summed

FV
2/18/16

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6070.D
Acq On : 17 Feb 2016 7:17 pm
Operator : F. Naegler
Sample : R1601321-010|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 17 19:32:18 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6070.D\data.ms

(33) cis-1,2-Dichloroethene (P)

4.605min (-0.012) 0.16 ug/L

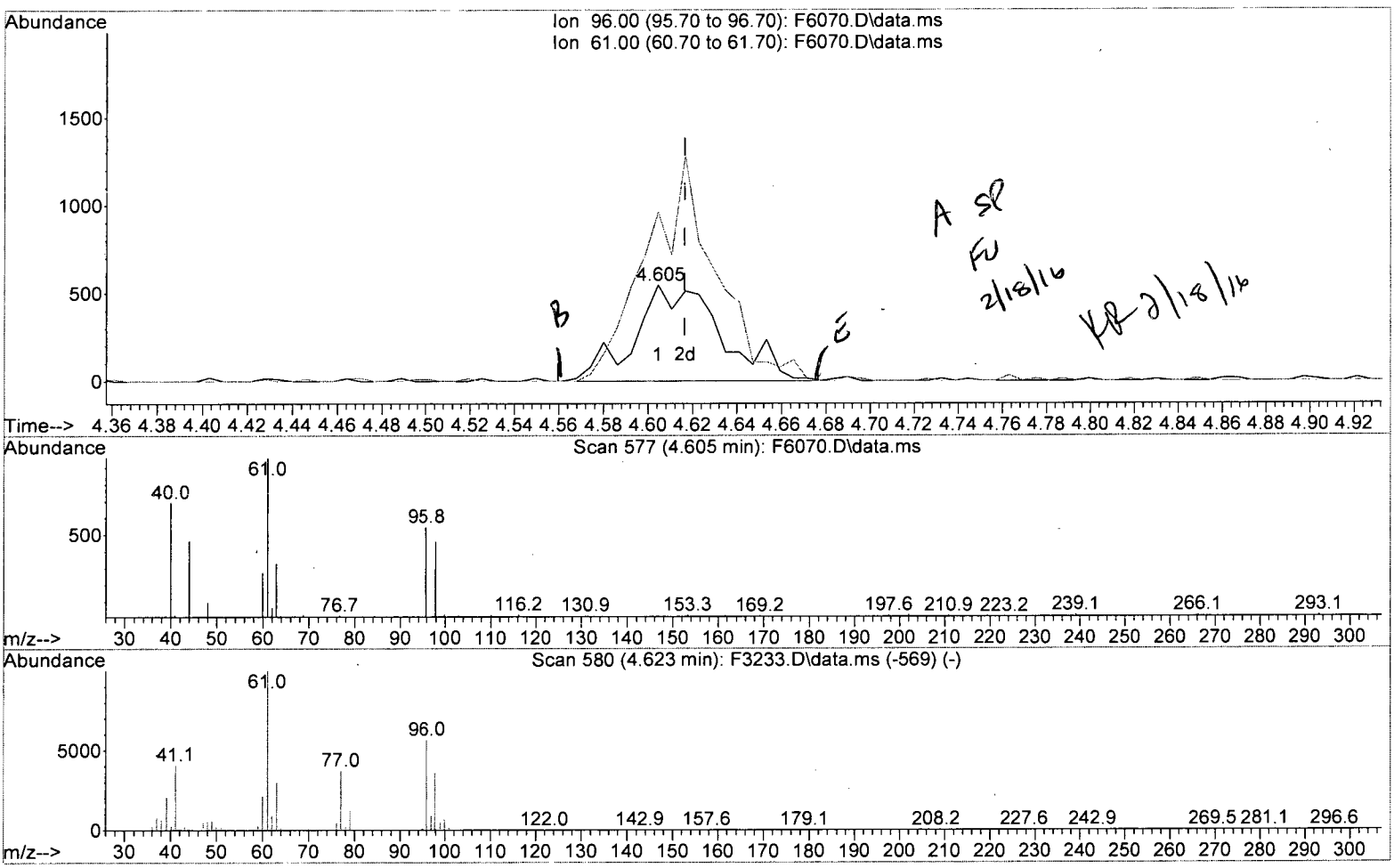
response 405

Ion	Exp%	Act%
96.00	100	100
61.00	177.00	176.15
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6070.D
Acq On : 17 Feb 2016 7:17 pm
Operator : F. Naegler
Sample : R1601321-010|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 17 19:32:18 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6070.D\data.ms

(33) cis-1,2-Dichloroethene (P)

4.605min (-0.012) 0.58 ug/L m

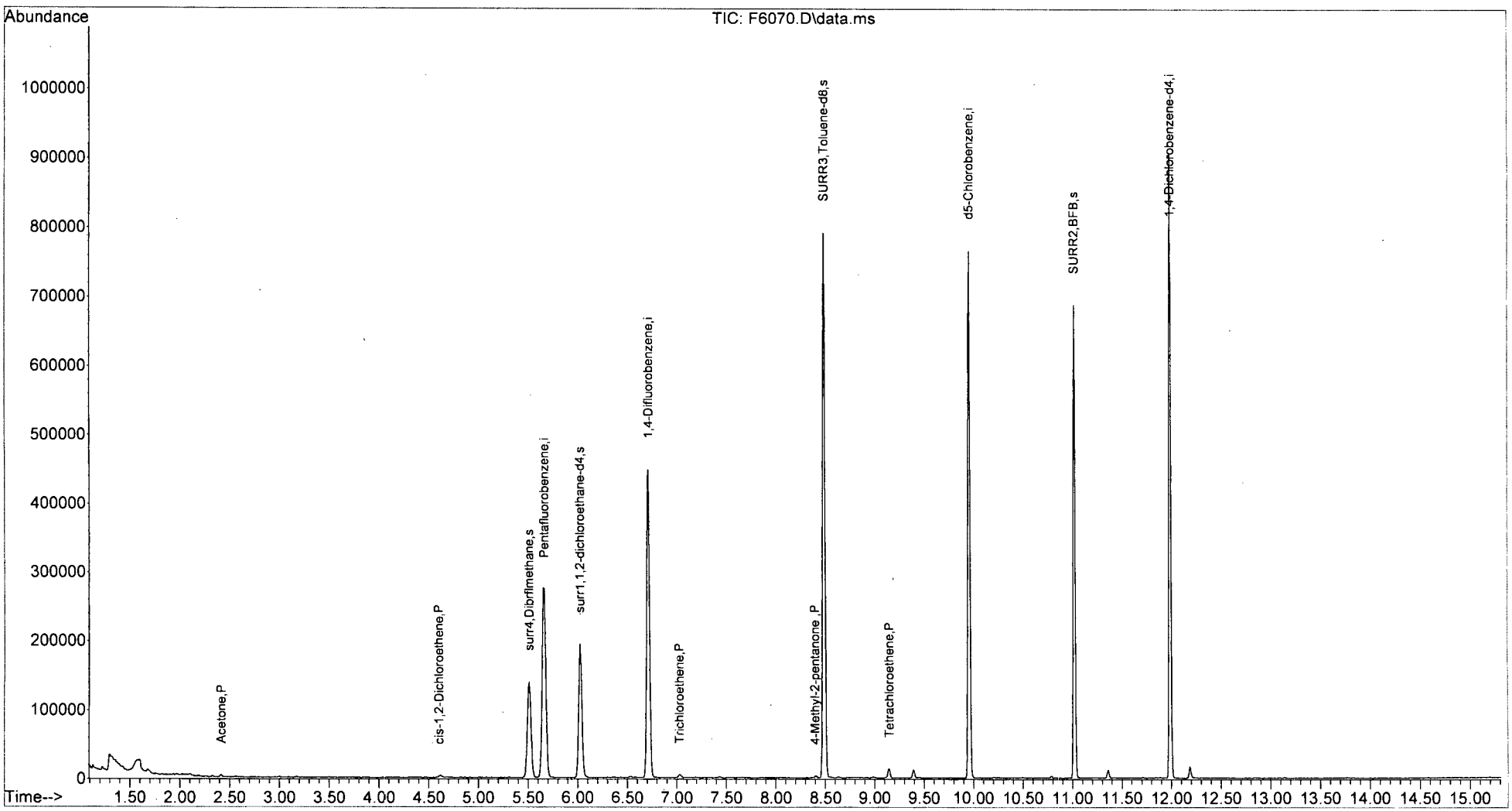
response 1457

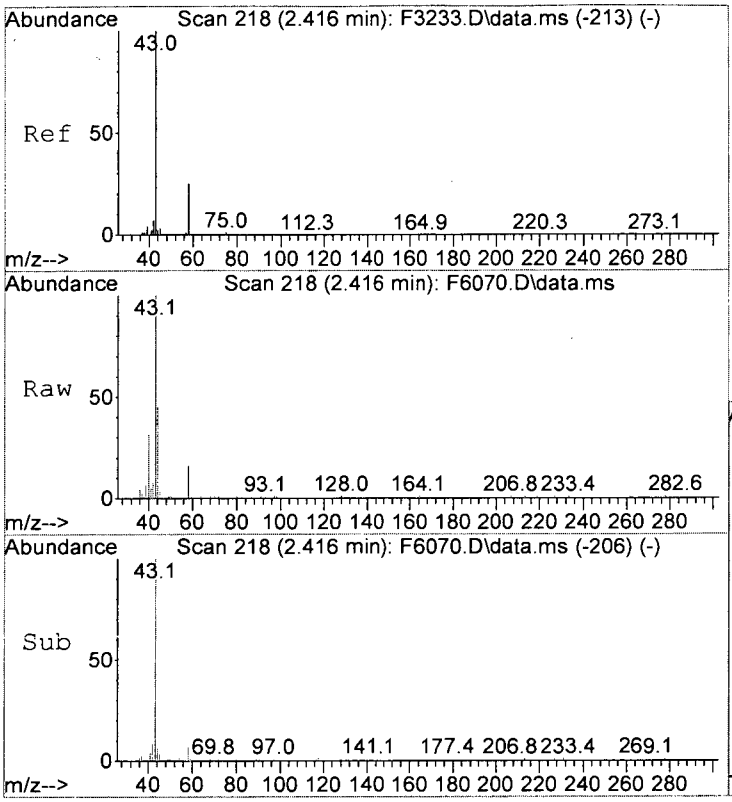
Ion	Exp%	Act%
96.00	100	100
61.00	177.00	176.15
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6070.D
Acq On : 17 Feb 2016 7:17 pm
Operator : F. Naegler
Sample : R1601321-010|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 18 10:32:58 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

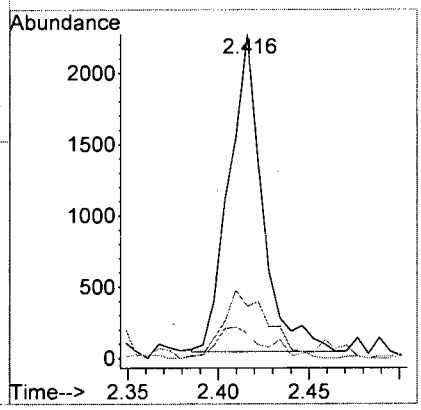


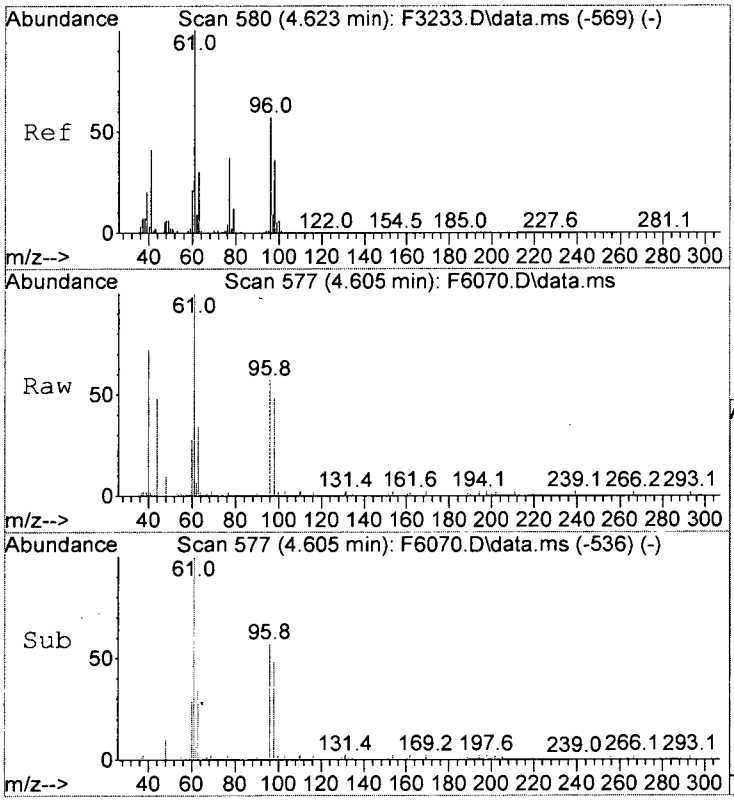


#15
Acetone
Concen: 1.61 ug/L
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: F6070.D
Acq: 17 Feb 2016 7:17 pm

Tgt Ion: 43 Resp: 2841

Ion	Ratio	Lower	Upper
43	100		
58	16.0	4.3	44.3
42	7.7	0.0	27.3

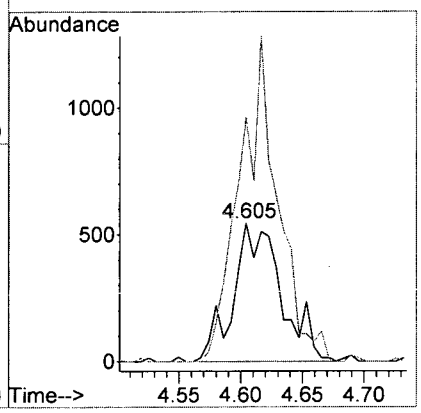


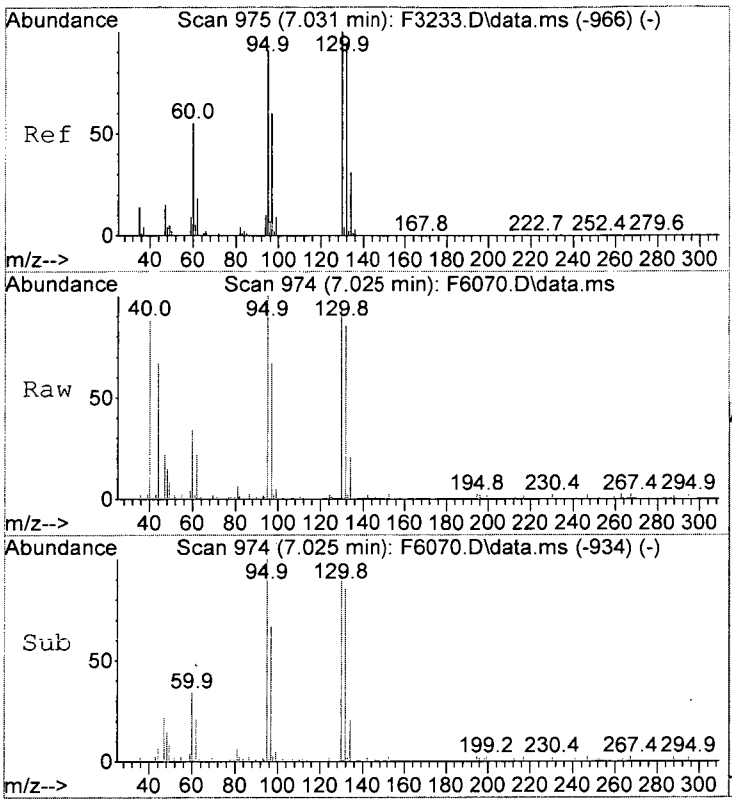


#33
cis-1,2-Dichloroethene
Concen: 0.58 ug/L m
RT: 4.605 min Scan# 577
Delta R.T. -0.012 min
Lab File: F6070.D
Acq: 17 Feb 2016 7:17 pm

Tgt Ion: 96 Resp: 1457

Ion	Ratio	Lower	Upper
96	100		
61	176.1	157.0	197.0

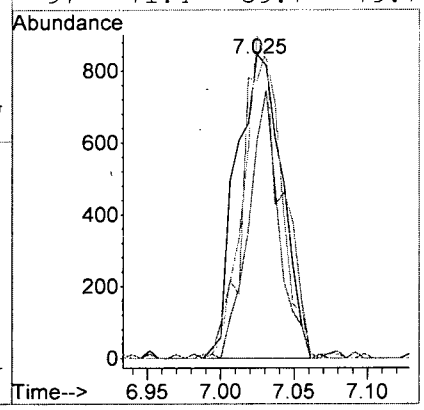


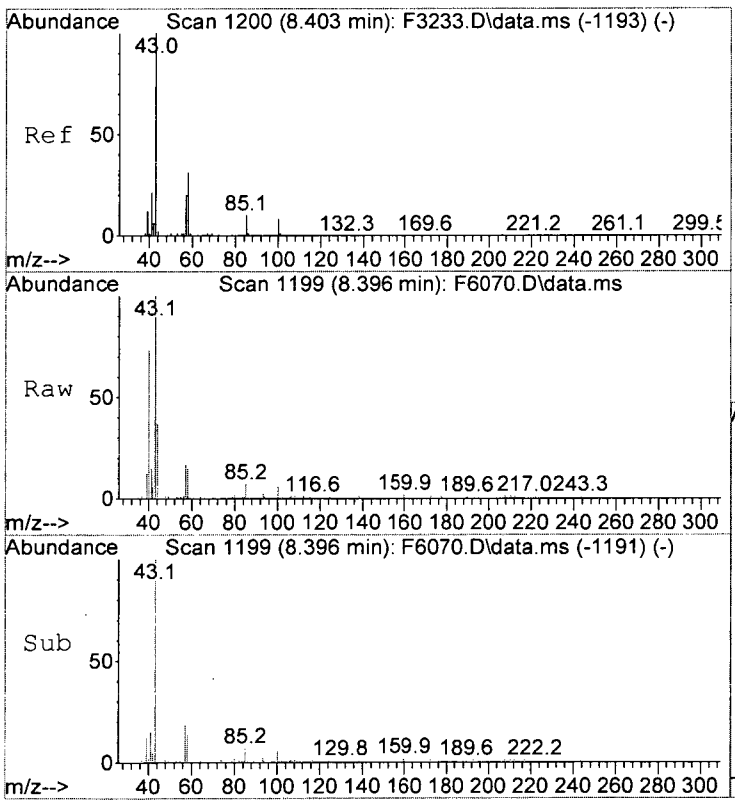


#53
Trichloroethene
Concen: 0.73 ug/L
RT: 7.025 min Scan# 974
Delta R.T. -0.006 min
Lab File: F6070.D
Acq: 17 Feb 2016 7:17 pm

Tgt Ion:130 Resp: 1816

Ion	Ratio	Lower	Upper
130	100		
132	91.3	74.1	114.1
95	106.4	70.9	110.9
97	71.4	39.7	79.7

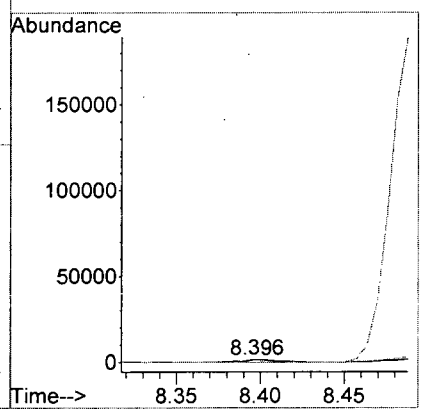


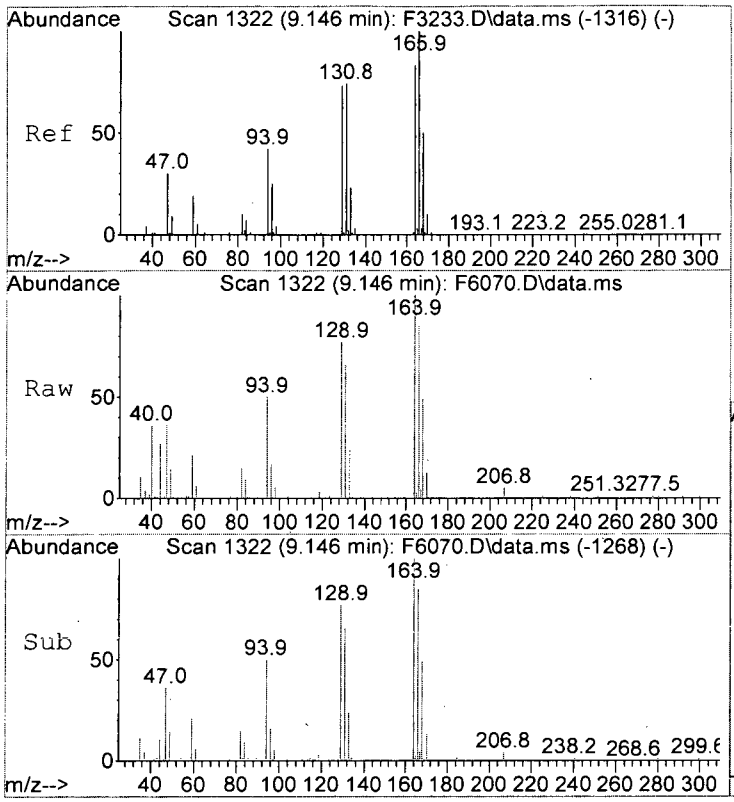


#63
4-Methyl-2-pentanone
Concen: 0.43 ug/L
RT: 8.396 min Scan# 1199
Delta R.T. -0.012 min
Lab File: F6070.D
Acq: 17 Feb 2016 7:17 pm

Tgt Ion: 43 Resp: 2036

Ion	Ratio	Lower	Upper
43	100		
58	14.9	10.8	50.8
100	5.5	0.0	27.9

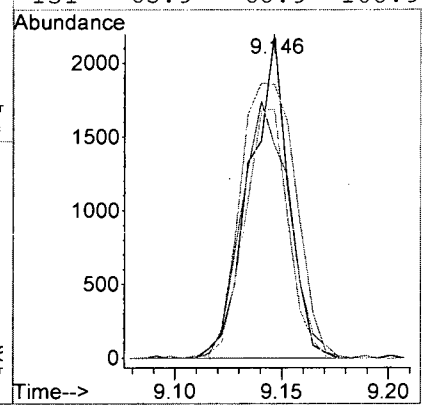




#71
Tetrachloroethene
Concen: 1.47 ug/L
RT: 9.146 min Scan# 1322
Delta R.T. 0.000 min
Lab File: F6070.D
Acq: 17 Feb 2016 7:17 pm

Tgt Ion:164 Resp: 2753

Ion	Ratio	Lower	Upper
164	100		
166	84.6	100.5	140.5#
129	77.0	68.0	108.0
131	65.9	68.9	108.9#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6071.D
Acq On : 17 Feb 2016 7:41 pm
Operator : F. Naegler
Sample : R1601321-011|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 18 10:34:10 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	274168	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	394416	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	342994	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	179556	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	118326	48.78	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 97.56%			
46) surr1,1,2-dichloroetha...	6.025	65	154783	52.91	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 105.82%			
64) SURR3,Toluene-d8	8.488	98	468328	49.28	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.56%			
69) SURR2,BFB	11.018	95	180592	48.63	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.26%			
Target Compounds						Qvalue
15) Acetone	2.416	43	11190	5.86	ug/L	98
16) 2-Propanol	2.586	45	20139	48.27	ug/L	97

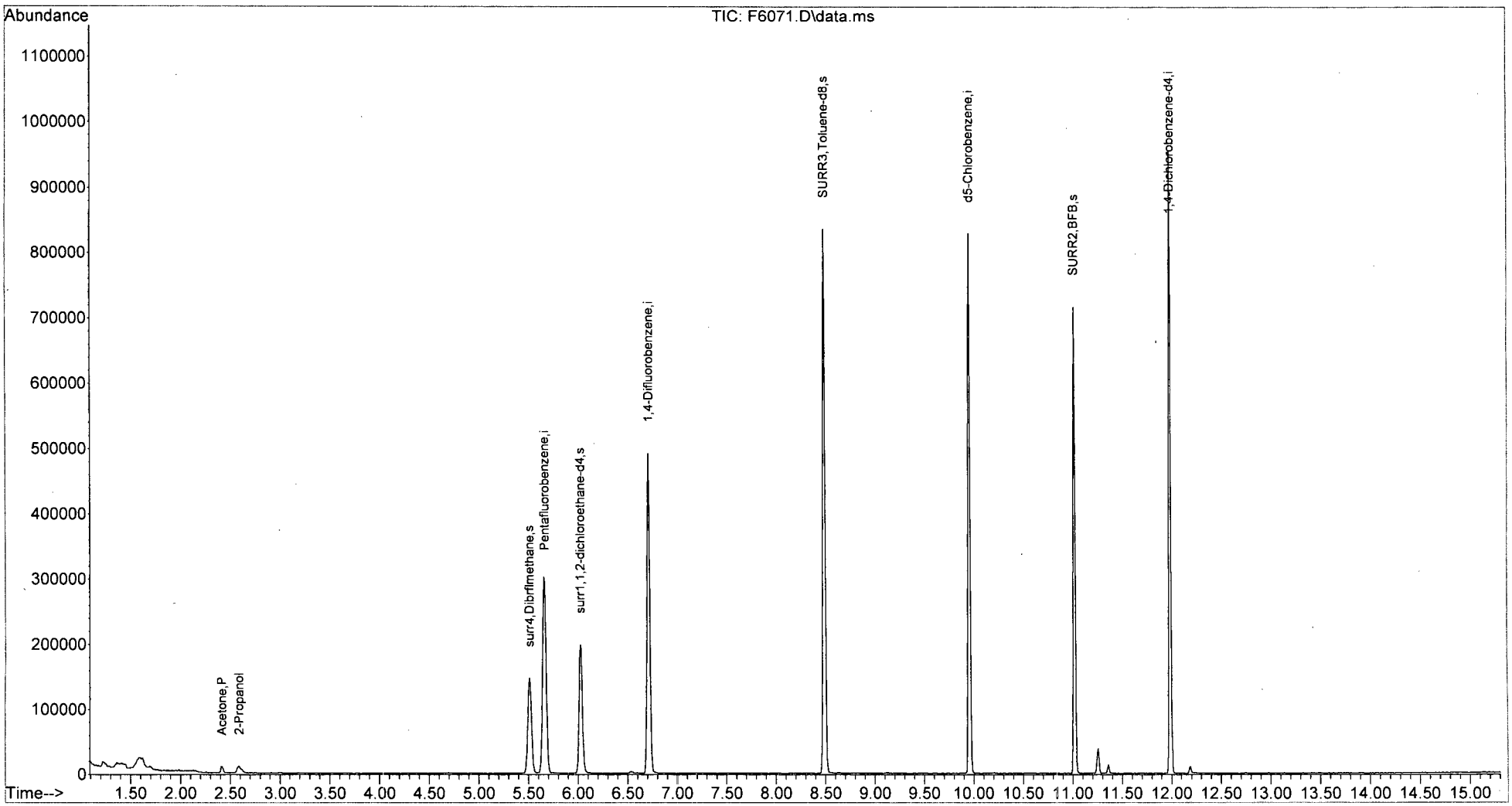
(#) = qualifier out of range (m) = manual integration (+) = signals summed

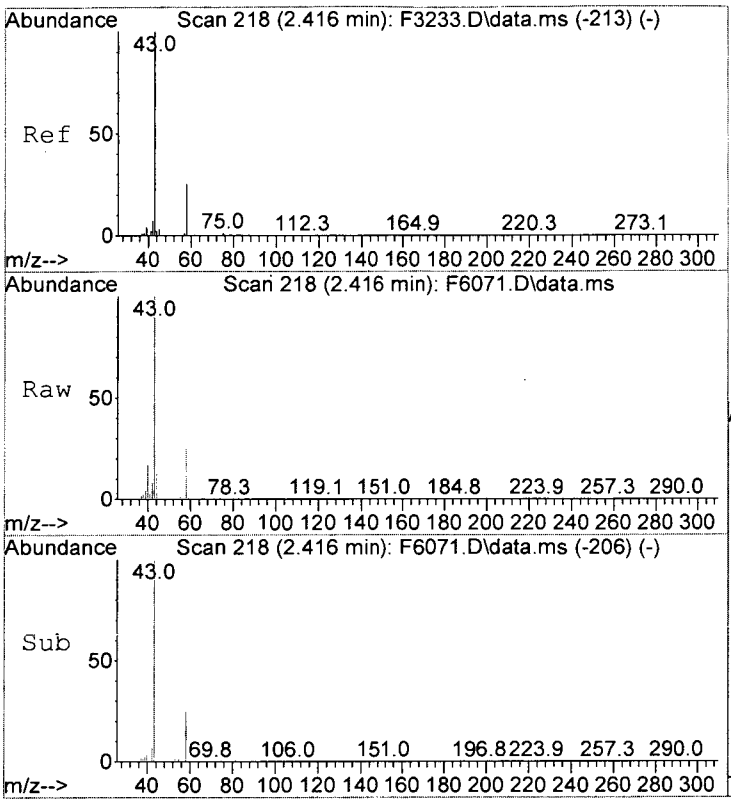
FV
2/18/16

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6071.D
Acq On : 17 Feb 2016 7:41 pm
Operator : F. Naegler
Sample : R1601321-011|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 18 10:34:10 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

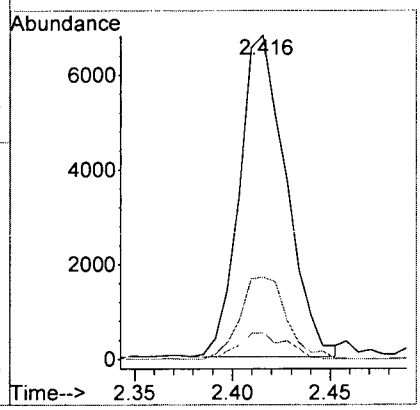


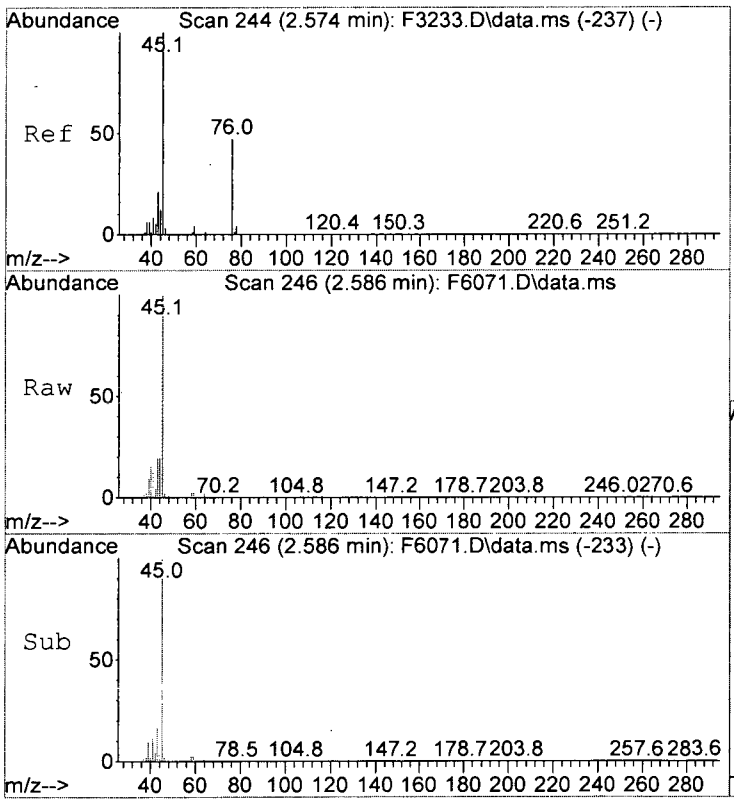


#15
Acetone
Concen: 5.86 ug/L
RT: 2.416 min Scan# 218
Delta R.T. -0.000 min
Lab File: F6071.D
Acq: 17 Feb 2016 7:41 pm

Tgt Ion: 43 Resp: 11190

Ion	Ratio	Lower	Upper
43	100		
58	25.2	4.3	44.3
42	8.1	0.0	27.3

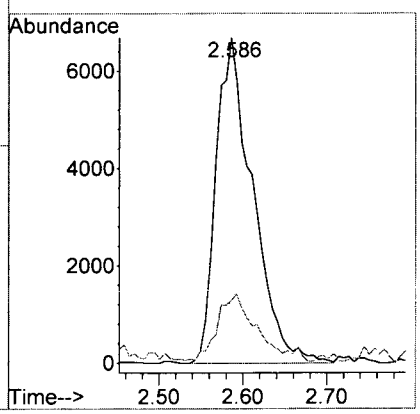




#16
2-Propanol
Concen: 48.27 ug/L
RT: 2.586 min Scan# 246
Delta R.T. -0.031 min
Lab File: F6071.D
Acq: 17 Feb 2016 7:41 pm

Tgt Ion: 45 Resp: 20139

Ion	Ratio	Lower	Upper
45	100		
43	19.0	0.6	40.6



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6072.D
Acq On : 17 Feb 2016 8:05 pm
Operator : F. Naegler
Sample : R1601321-012|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 18 10:36:06 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.659	168	277321	50.00 ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	402508	50.00 ug/L	0.00
70) d5-Chlorobenzene	9.957	117	349336	50.00 ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	185386	50.00 ug/L	0.00
System Monitoring Compounds					
43) surr4,Dibrflmethane	5.513	113	115247	46.56 ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 93.12%		
46) surr1,1,2-dichloroetha...	6.025	65	154486	51.75 ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 103.50%		
64) SURR3,Toluene-d8	8.488	98	464126	47.86 ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 95.72%		
69) SURR2,BFB	11.018	95	178112	47.00 ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 94.00%		
Target Compounds					Qvalue
5) Bromomethane	1.629	94	267	Below Cal #	14
15) Acetone	2.422	43	1901	0.98 ug/L	89
33) cis-1,2-Dichloroethene	4.617	96	6647	2.42 ug/L #	73
71) Tetrachloroethene	9.146	164	60788	29.95 ug/L	98

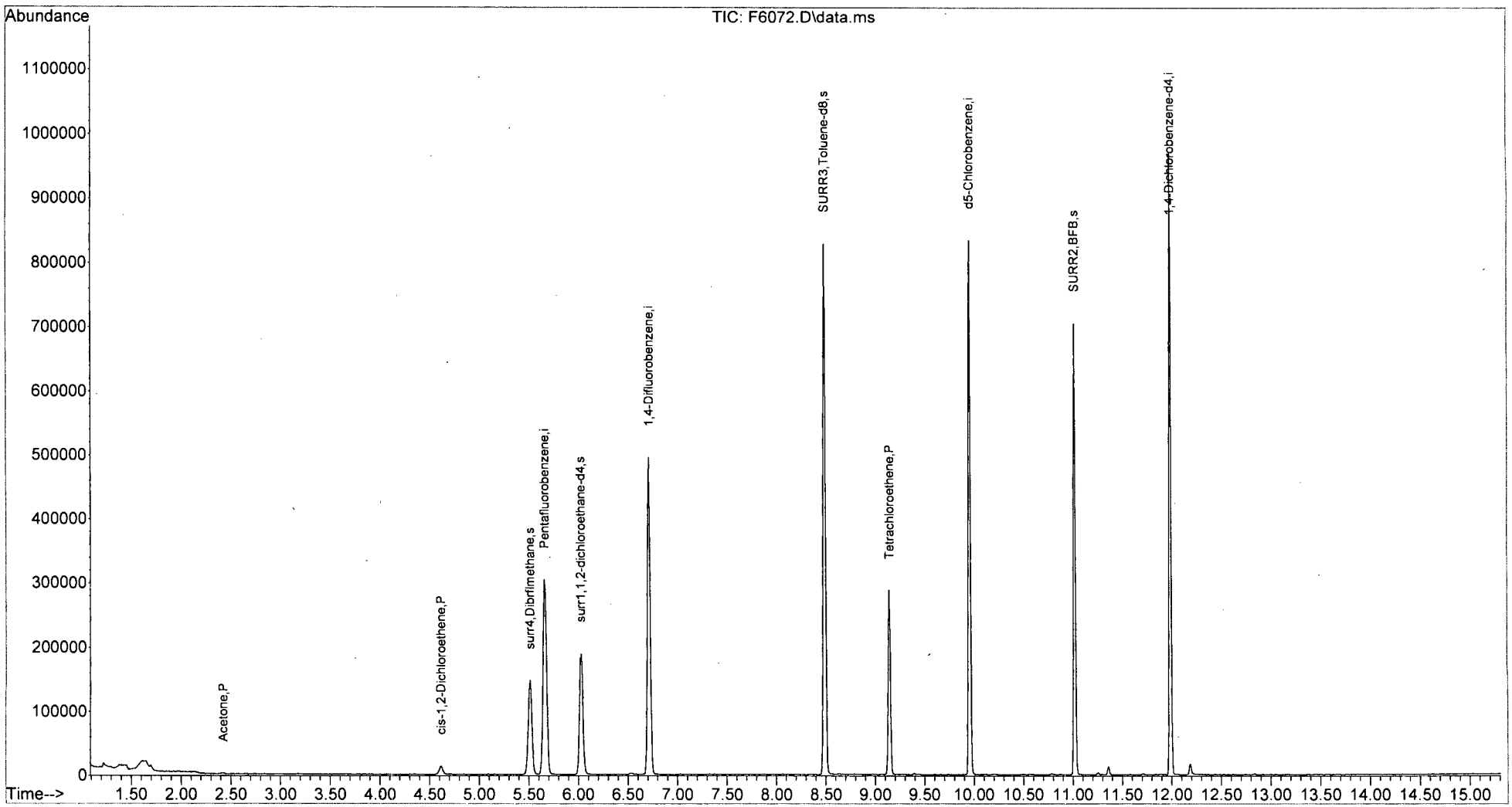
(#) = qualifier out of range (m) = manual integration (+) = signals summed

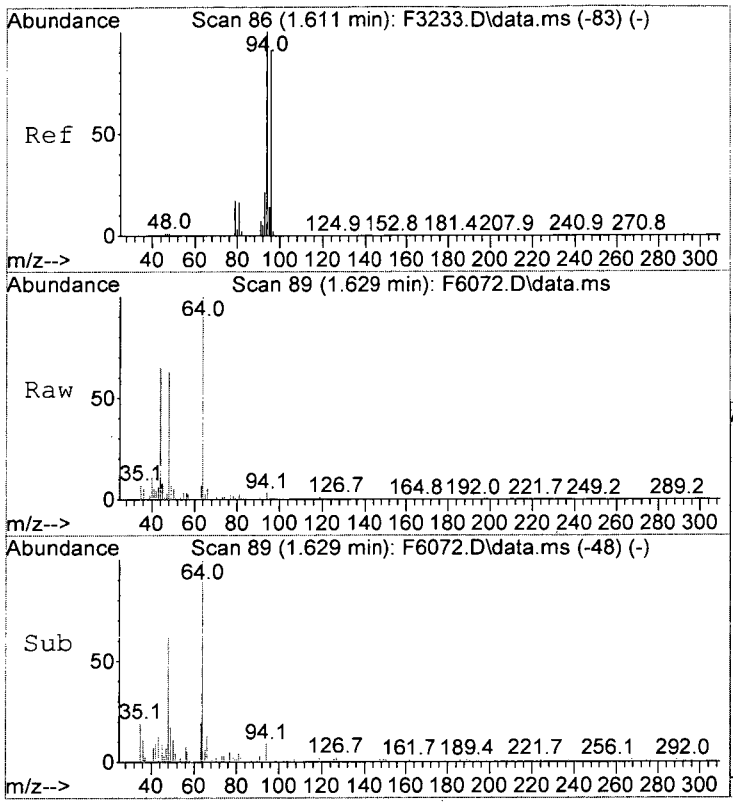
FU
2/18/16

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6072.D
Acq On : 17 Feb 2016 8:05 pm
Operator : F. Naegler
Sample : R1601321-012|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 18 10:36:06 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

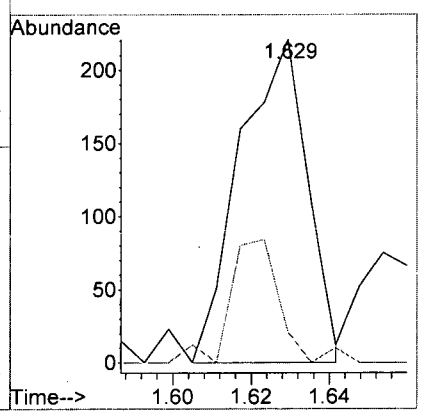


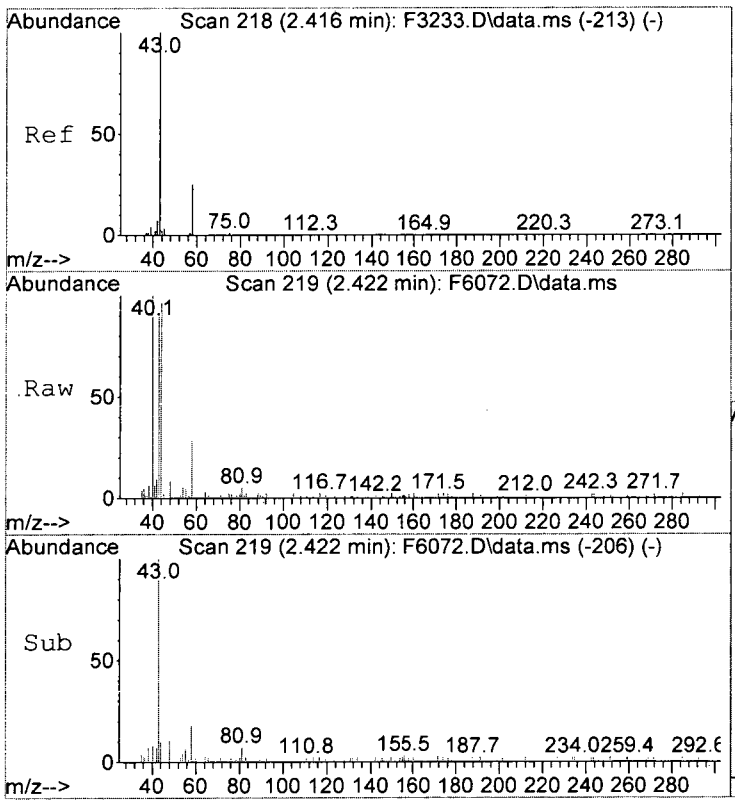


#5
Bromomethane
Concen: Below Cal
RT: 1.629 min Scan# 89
Delta R.T. 0.025 min
Lab File: F6072.D
Acq: 17 Feb 2016 8:05 pm

Tgt Ion: 94 Resp: 267

Ion	Ratio	Lower	Upper
94	100		
96	9.5	71.0	111.0#

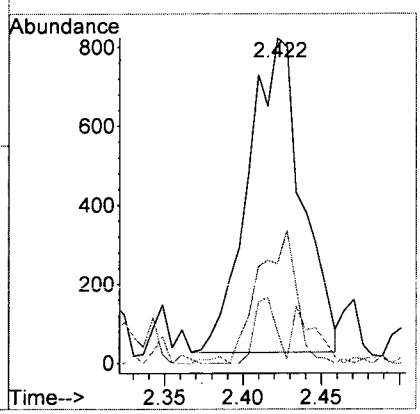


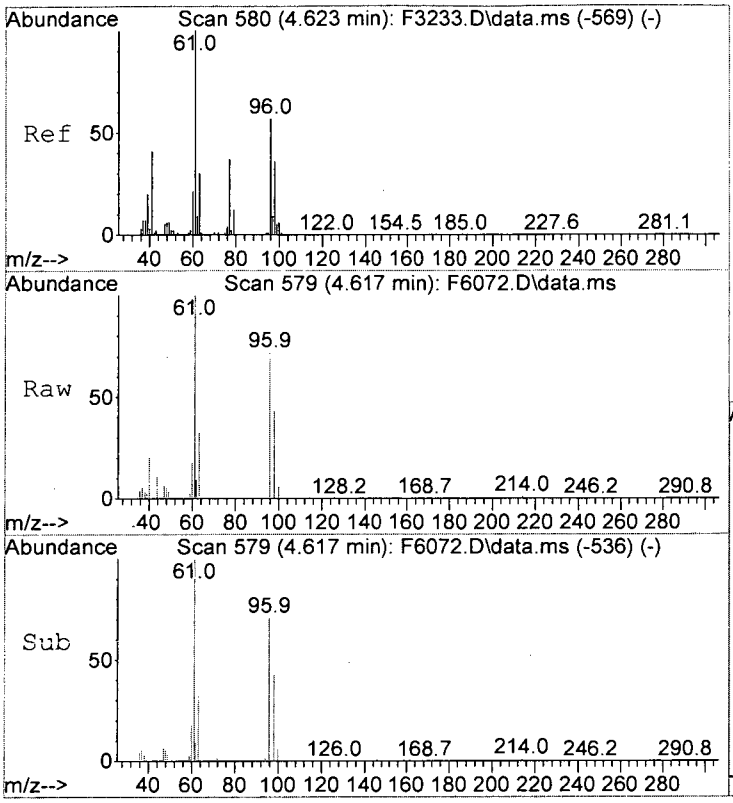


#15
Acetone
Concen: 0.98 ug/L
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: F6072.D
Acq: 17 Feb 2016 8:05 pm

Tgt Ion: 43 Resp: 1901

Ion	Ratio	Lower	Upper
43	100		
58	30.5	4.3	44.3
42	9.9	0.0	27.3

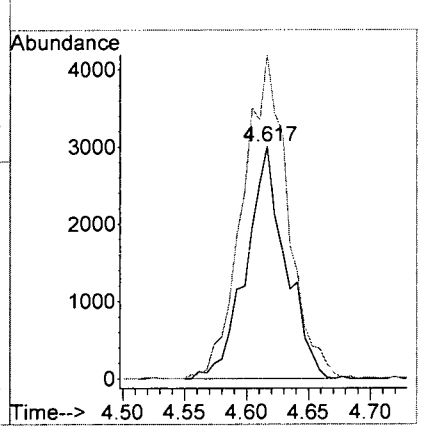


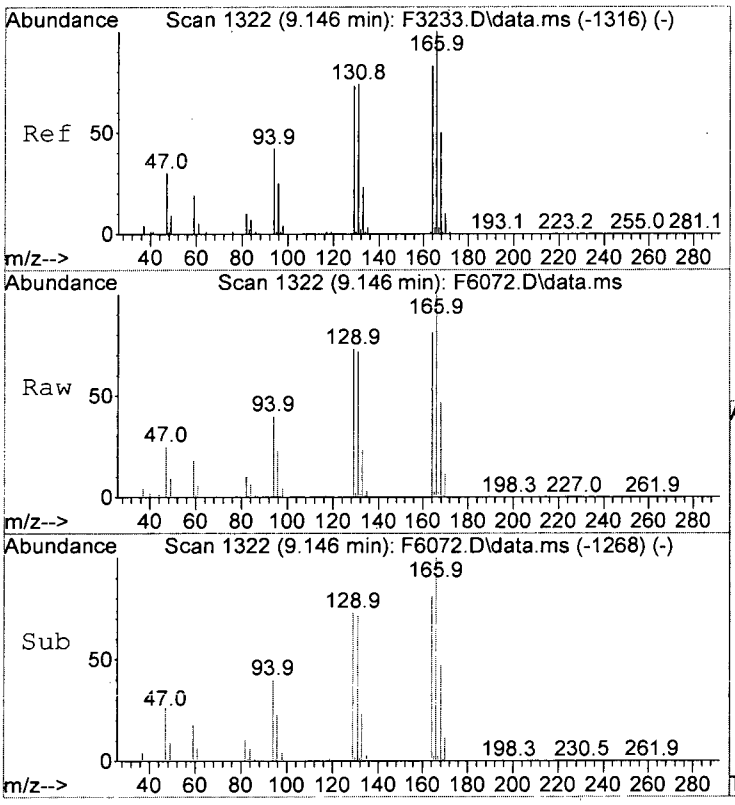


#33
cis-1,2-Dichloroethene
Concen: 2.42 ug/L
RT: 4.617 min Scan# 579
Delta R.T. 0.000 min
Lab File: F6072.D
Acq: 17 Feb 2016 8:05 pm

Tgt Ion: 96 Resp: 6647

Ion	Ratio	Lower	Upper
96	100		
61	139.5	157.0	197.0#

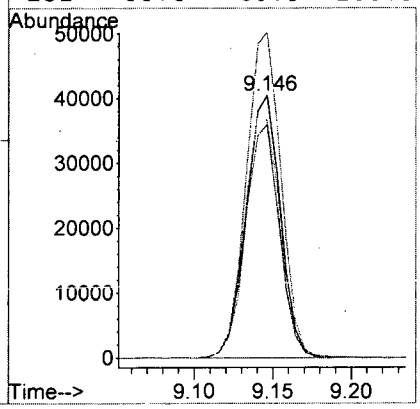




#71
Tetrachloroethene
Concen: 29.95 ug/L
RT: 9.146 min Scan# 1322
Delta R.T. 0.000 min
Lab File: F6072.D
Acq: 17 Feb 2016 8:05 pm

Tgt Ion:164 Resp: 60788

Ion	Ratio	Lower	Upper
164	100		
166	124.1	100.5	140.5
129	90.2	68.0	108.0
131	88.8	68.9	108.9



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6095.D
Acq On : 18 Feb 2016 5:13 pm
Operator : F. Naegler
Sample : R1601321-013|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 19 11:27:33 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.659	168	275474	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	396960	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	344599	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	184861	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	121240	49.66	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 99.32%			
46) surr1,1,2-dichloroetha...	6.025	65	157396	53.46	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.92%			
64) SURR3,Toluene-d8	8.488	98	478380	50.01	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.02%			
69) SURR2,BFB	11.018	95	183380	49.07	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.14%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.373	62	2569	0.66	ug/L	85
15) Acetone	2.404	43	1393m	0.73	ug/L	
23) TBA	3.007	59	1214	2.08	ug/L	82
26) trans-1,2-Dichloroethene	3.166	96	514m	0.22	ug/L	
33) cis-1,2-Dichloroethene	4.611	96	11543	4.23	ug/L	89

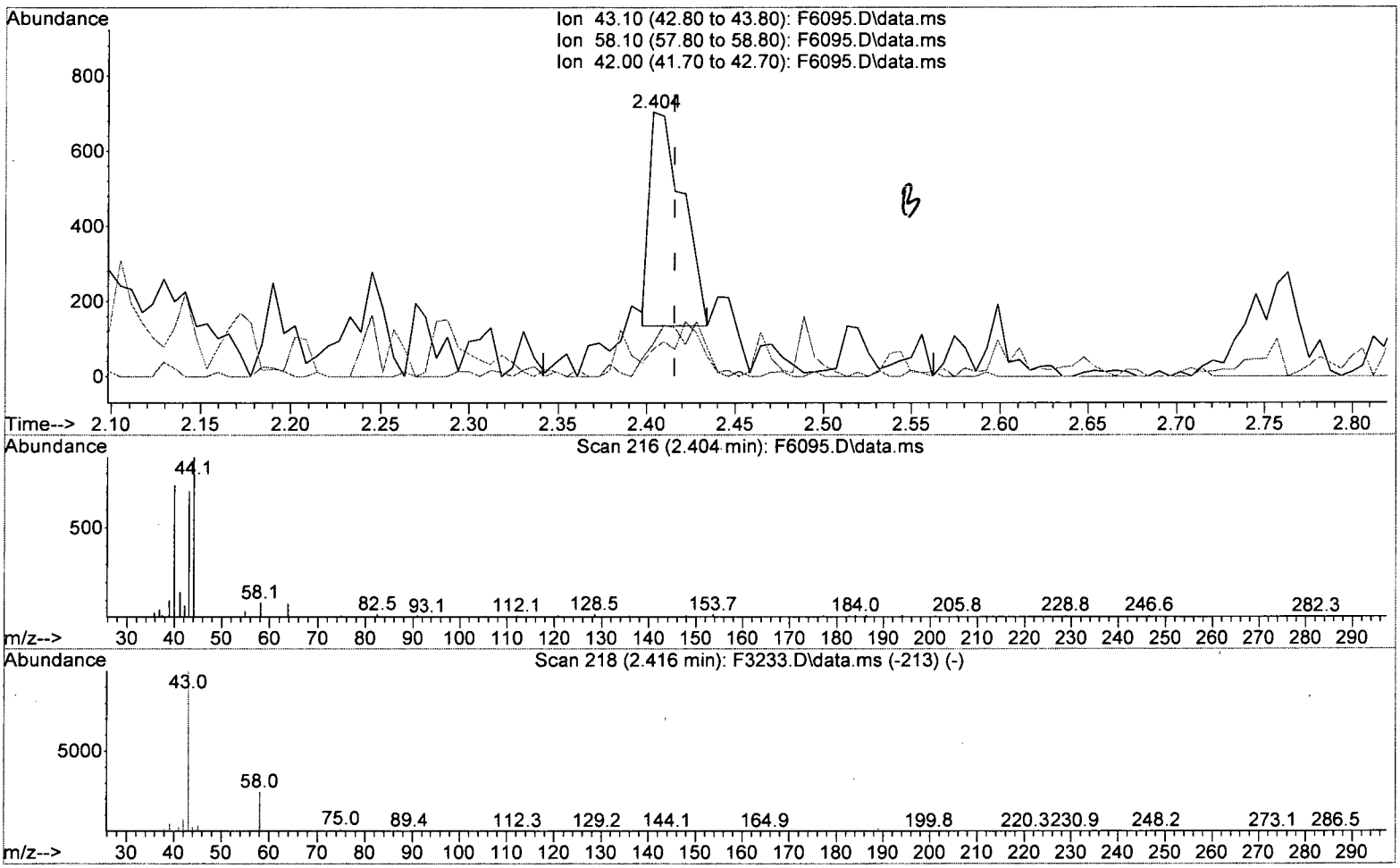
(#) = qualifier out of range (m) = manual integration (+) = signals summed

FN
2/19/16

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6095.D
Acq On : 18 Feb 2016 5:13 pm
Operator : F. Naegler
Sample : R1601321-013|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 18 17:27:27 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6095.D\data.ms

(15) Acetone (P)

2.404min (-0.012) 0.38 ug/L

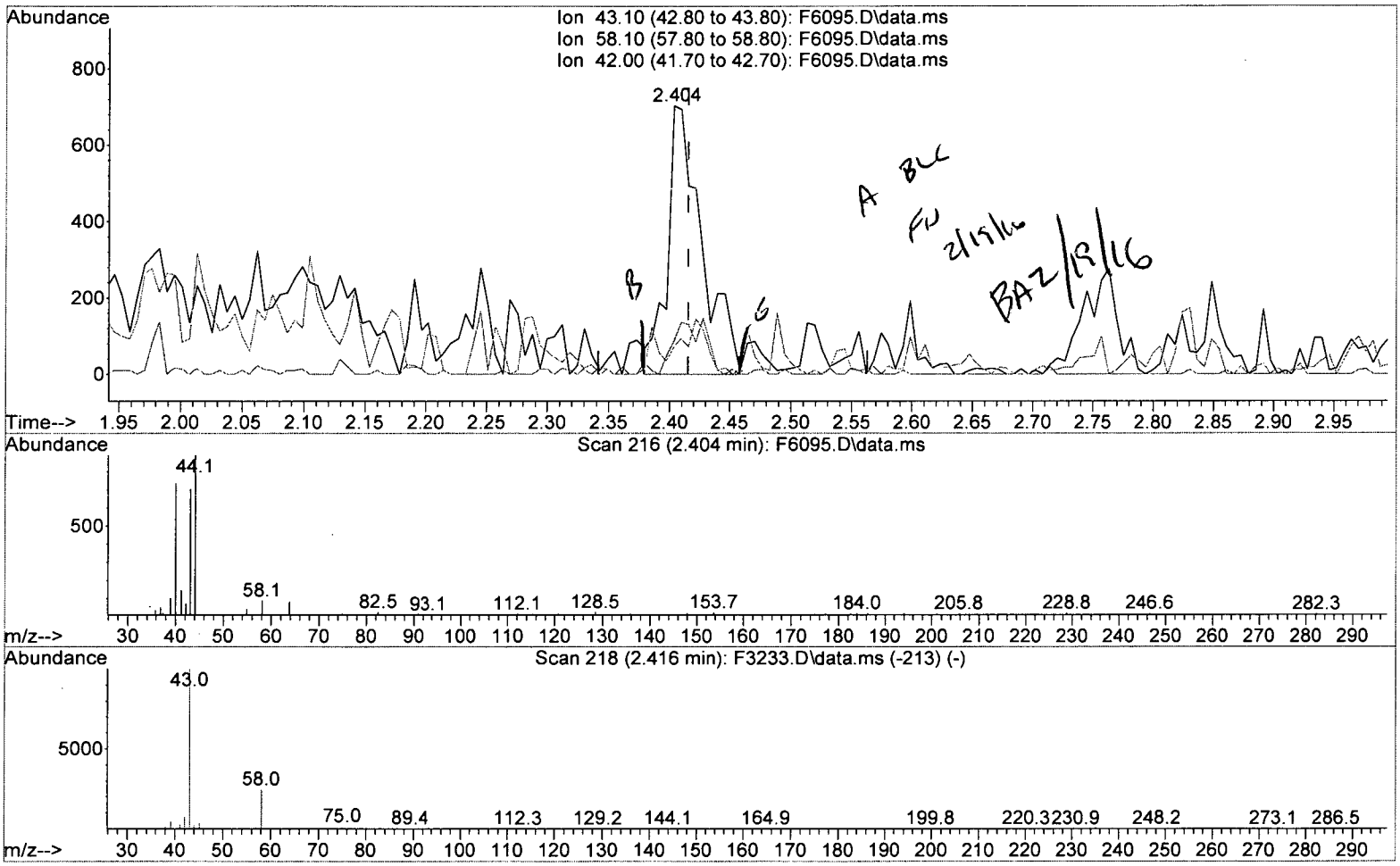
response 735

Ion	Exp%	Act%
43.10	100	100
58.10	24.30	12.38
42.00	7.30	10.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6095.D
Acq On : 18 Feb 2016 5:13 pm
Operator : F. Naegler
Sample : R1601321-013|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 18 17:27:27 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6095.D\data.ms

(15) Acetone (P)

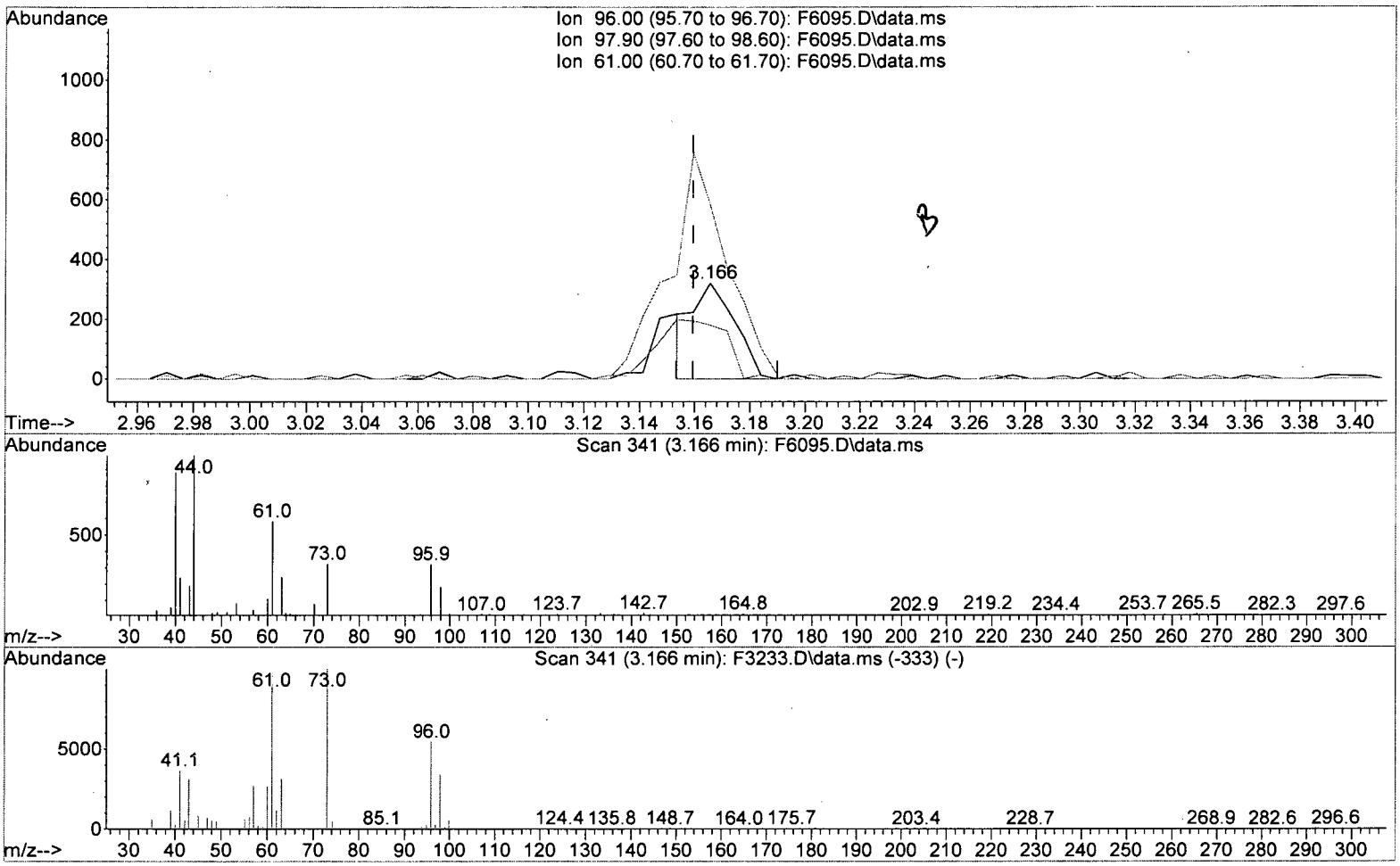
2.404min (-0.012) 0.73 ug/L m

response 1393

Ion	Exp%	Act%
43.10	100	100
58.10	24.30	12.38
42.00	7.30	10.24
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6095.D
Acq On : 18 Feb 2016 5:13 pm
Operator : F. Naegler
Sample : R1601321-013|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 18 17:27:27 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6095.D\data.ms

(26) trans-1,2-Dichloroethene (P)

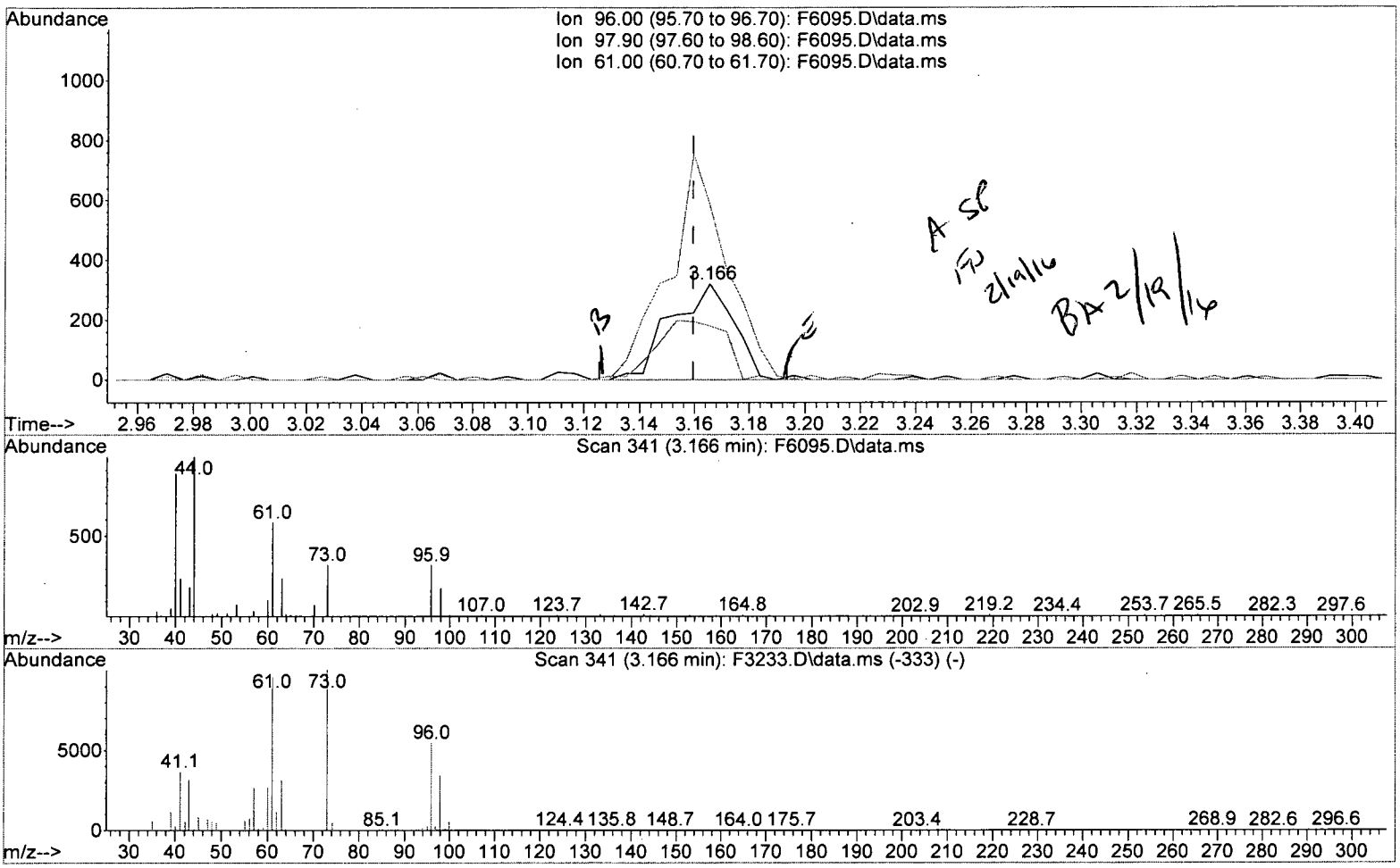
3.166min (+0.006) 0.15 ug/L

response 340

Ion	Exp%	Act%
96.00	100	100
97.90	62.30	56.25
61.00	175.30	181.56
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6095.D
Acq On : 18 Feb 2016 5:13 pm
Operator : F. Naegler
Sample : R1601321-013|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 18 17:27:27 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6095.D\data.ms

(26) trans-1,2-Dichloroethene (P)

3.166min (+0.006) 0.22 ug/L m

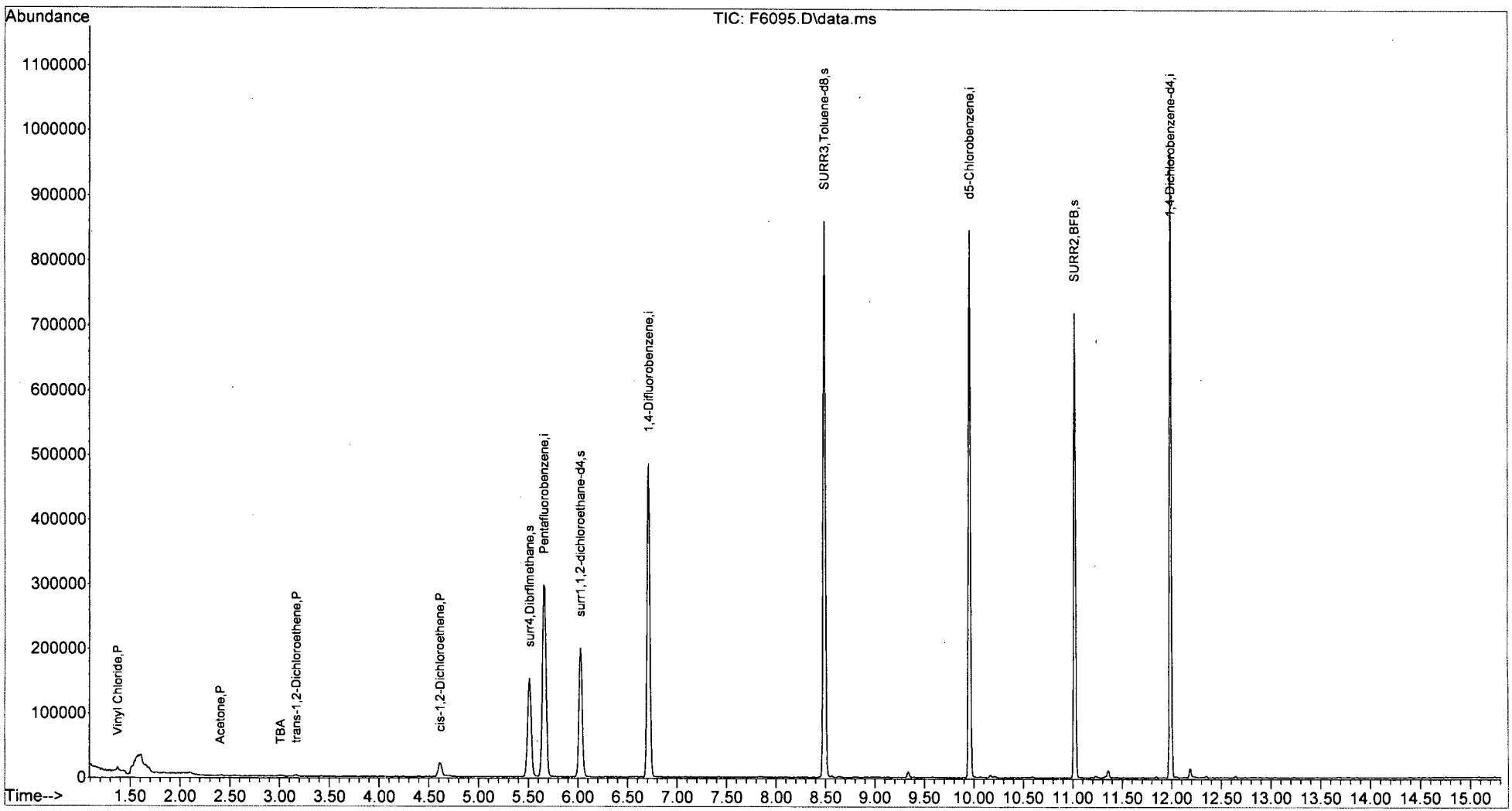
response 514

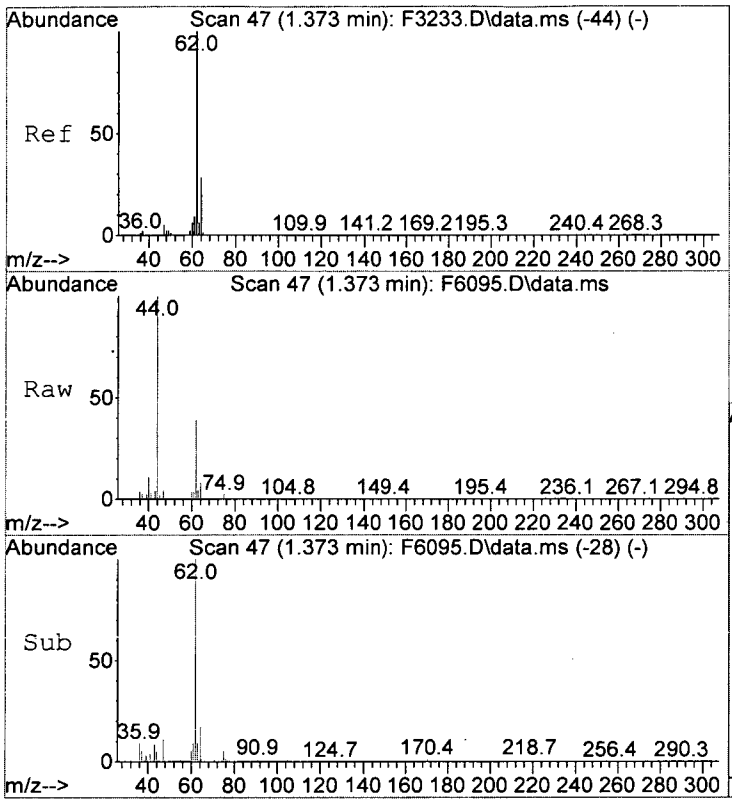
Ion	Exp%	Act%
96.00	100	100
97.90	62.30	56.25
61.00	175.30	181.56
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6095.D
Acq On : 18 Feb 2016 5:13 pm
Operator : F. Naegler
Sample : R1601321-013|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 19 11:27:33 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

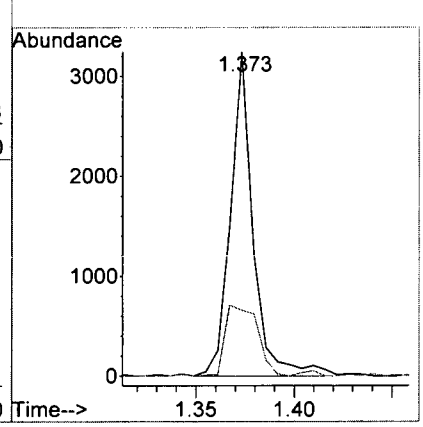


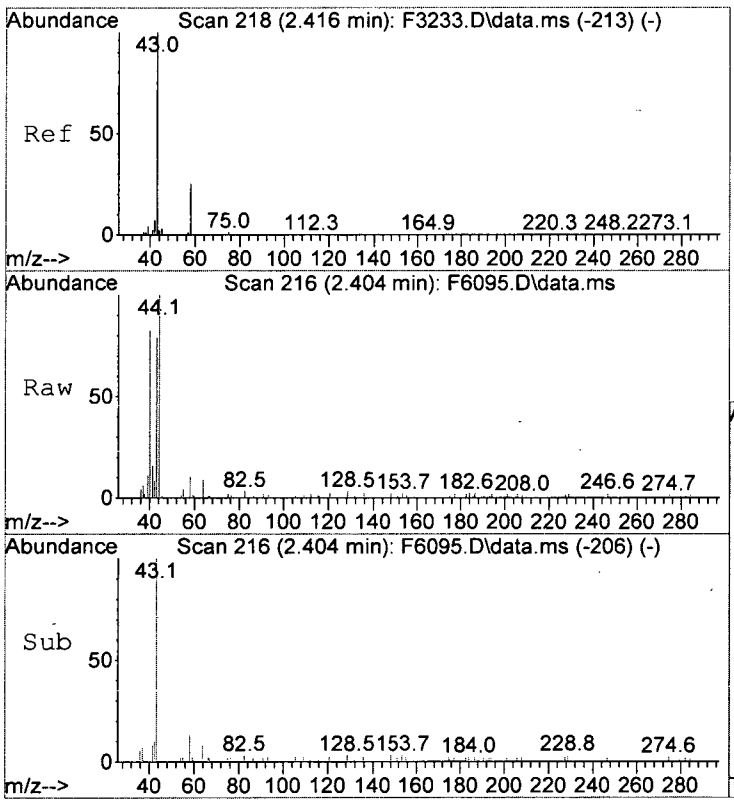


#4
Vinyl Chloride
Concen: 0.66 ug/L
RT: 1.373 min Scan# 47
Delta R.T. 0.000 min
Lab File: F6095.D
Acq: 18 Feb 2016 5:13 pm

Tgt Ion: 62 Resp: 2569

Ion	Ratio	Lower	Upper
62	100		
64	20.3	8.4	48.4

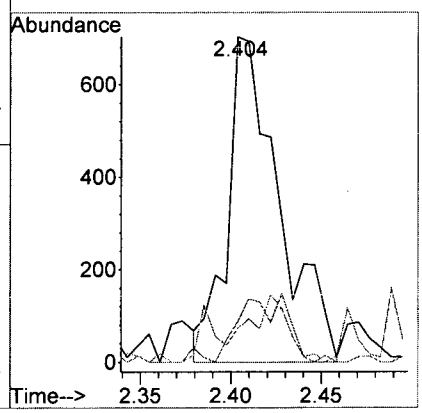


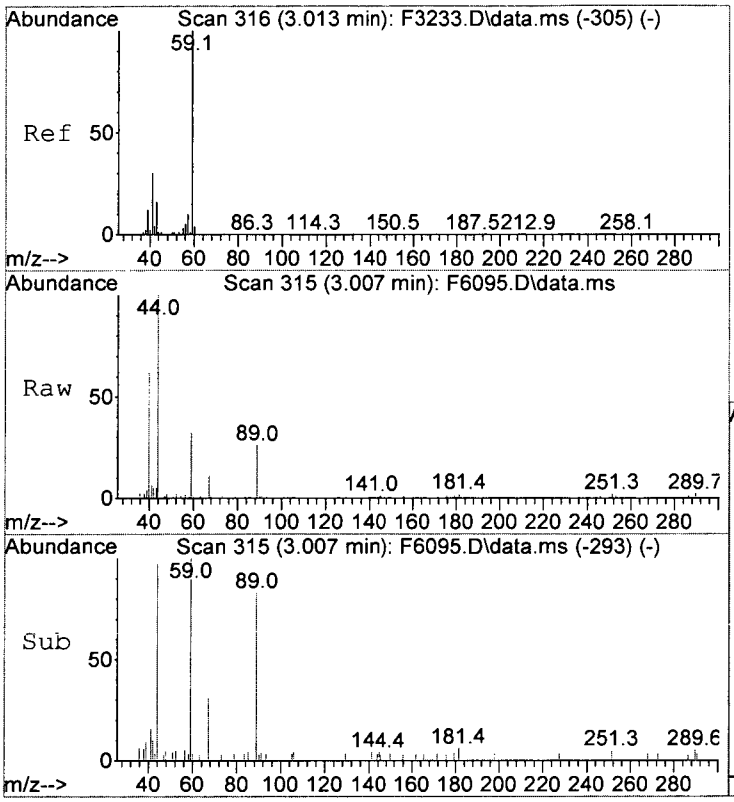


#15
Acetone
Concen: 0.73 ug/L m
RT: 2.404 min Scan# 216
Delta R.T. -0.012 min
Lab File: F6095.D
Acq: 18 Feb 2016 5:13 pm

Tgt Ion: 43 Resp: 1393

Ion	Ratio	Lower	Upper
43	100		
58	12.4	4.3	44.3
42	10.2	0.0	27.3

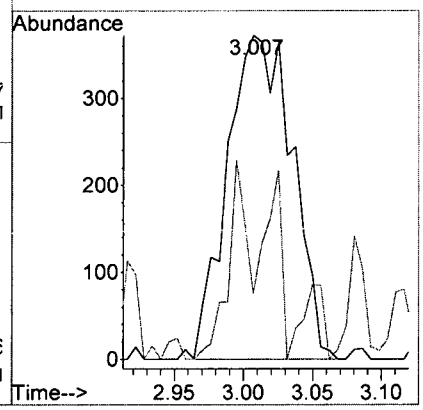


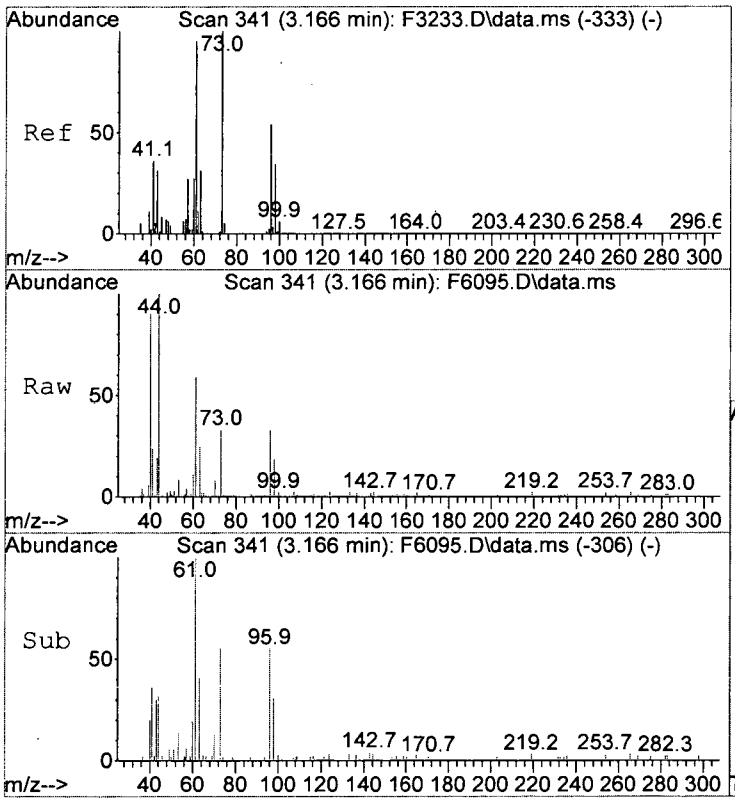


#23
TBA
Concen: 2.08 ug/L
RT: 3.007 min Scan# 315
Delta R.T. -0.055 min
Lab File: F6095.D
Acq: 18 Feb 2016 5:13 pm

Tgt Ion: 59 Resp: 1214

Ion	Ratio	Lower	Upper
59	100		
41	20.2	9.9	49.9

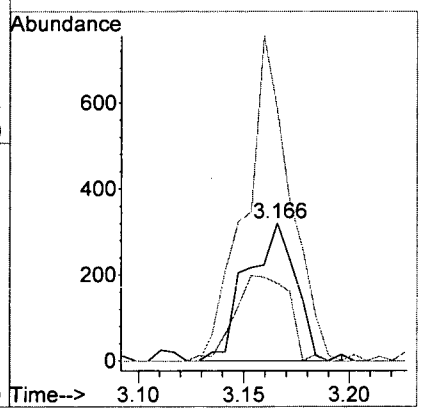


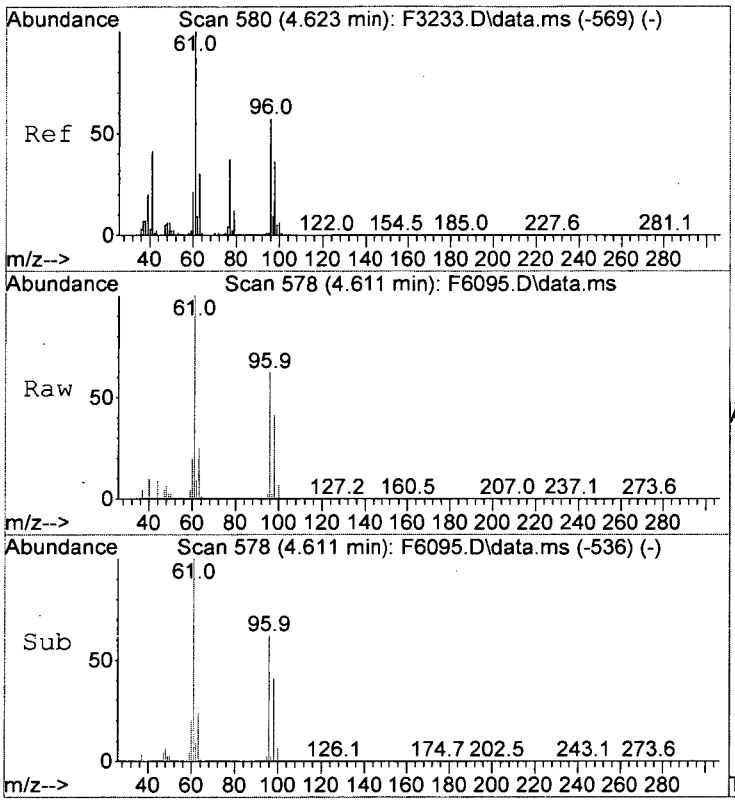


#26
trans-1,2-Dichloroethene
Concen: 0.22 ug/L m
RT: 3.166 min Scan# 341
Delta R.T. 0.006 min
Lab File: F6095.D
Acq: 18 Feb 2016 5:13 pm

Tgt Ion: 96 Resp: 514

Ion	Ratio	Lower	Upper
96	100		
98	56.3	42.3	82.3
61	181.6	155.3	195.3

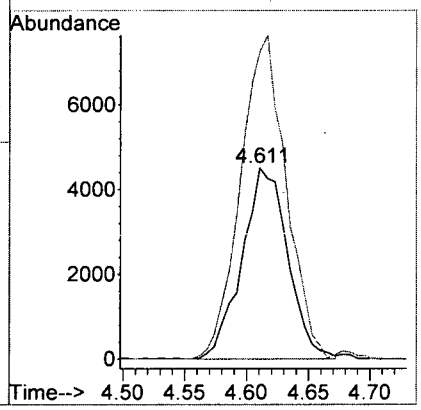




#33
cis-1,2-Dichloroethene
Concen: 4.23 ug/L
RT: 4.611 min Scan# 578
Delta R.T. -0.006 min
Lab File: F6095.D
Acq: 18 Feb 2016 5:13 pm

Tgt Ion: 96 Resp: 11543

Ion	Ratio	Lower	Upper
96	100		
61	161.3	157.0	197.0



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6096.D
Acq On : 18 Feb 2016 5:37 pm
Operator : F. Naegler
Sample : R1601321-014|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 19 11:32:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.659	168	270720	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	392358	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	337453	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	181075	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	119601	49.57	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 99.14%			
46) surr1,1,2-dichloroetha...	6.025	65	160794	55.26	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 110.52%			
64) SURR3,Toluene-d8	8.488	98	469507	49.66	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.32%			
69) SURR2,BFB	11.018	95	183333	49.63	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.26%			
Target Compounds						Qvalue
5) Bromomethane	1.629	94	380	Below Cal	#	39
15) Acetone	2.410	43	1592	0.84	ug/L	87
33) cis-1,2-Dichloroethene	4.617	96	3416	1.27	ug/L	90
53) Trichloroethene	7.025	130	5058	1.92	ug/L #	88
71) Tetrachloroethene	9.146	164	30054	15.33	ug/L	96

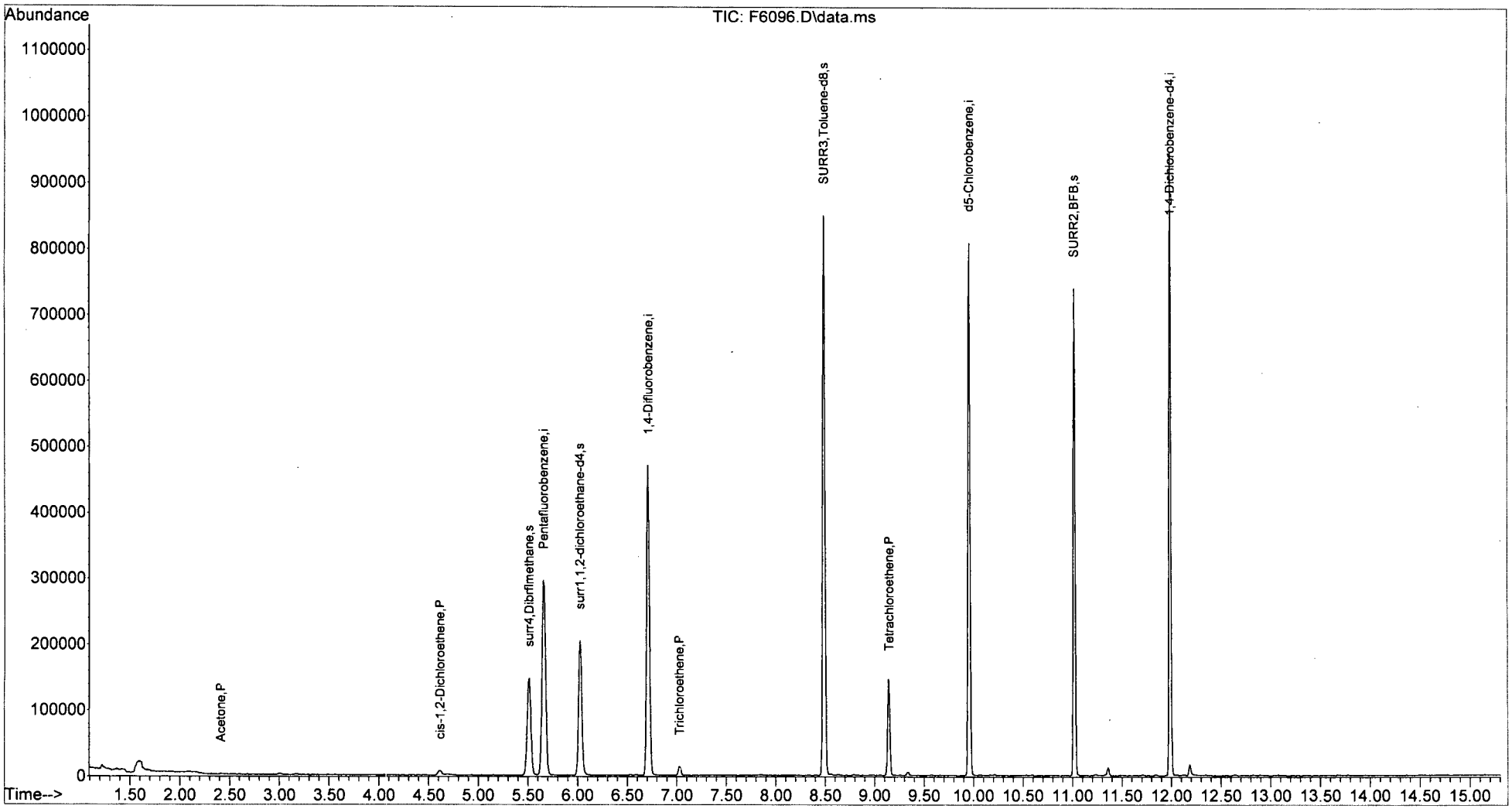
(#) = qualifier out of range (m) = manual integration (+) = signals summed

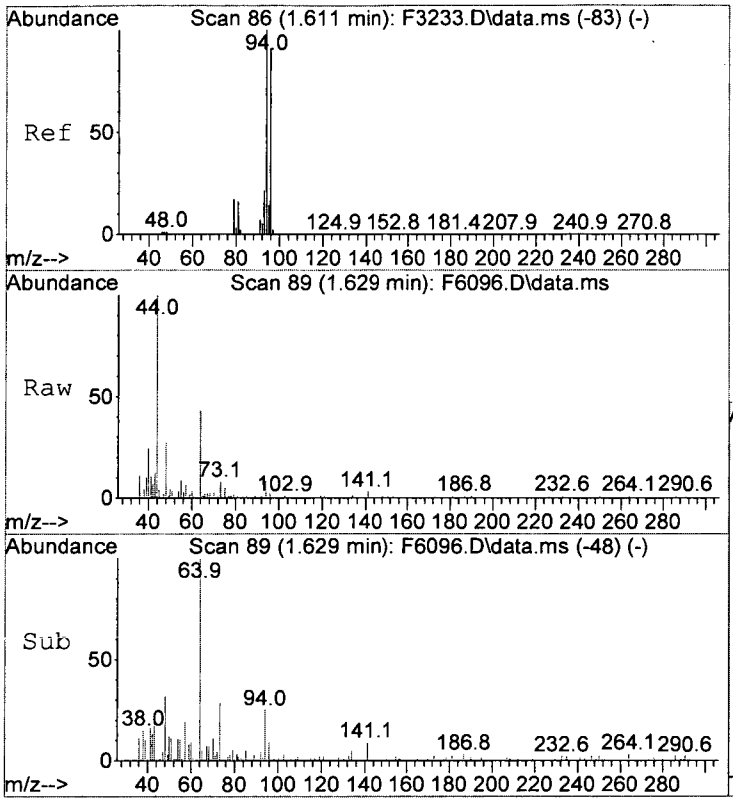
FU
2/19/16

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6096.D
Acq On : 18 Feb 2016 5:37 pm
Operator : F. Naegler
Sample : R1601321-014|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 19 11:32:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

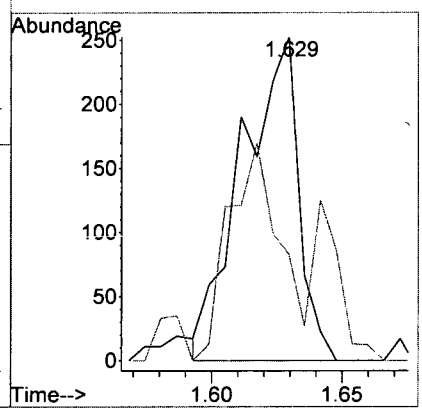


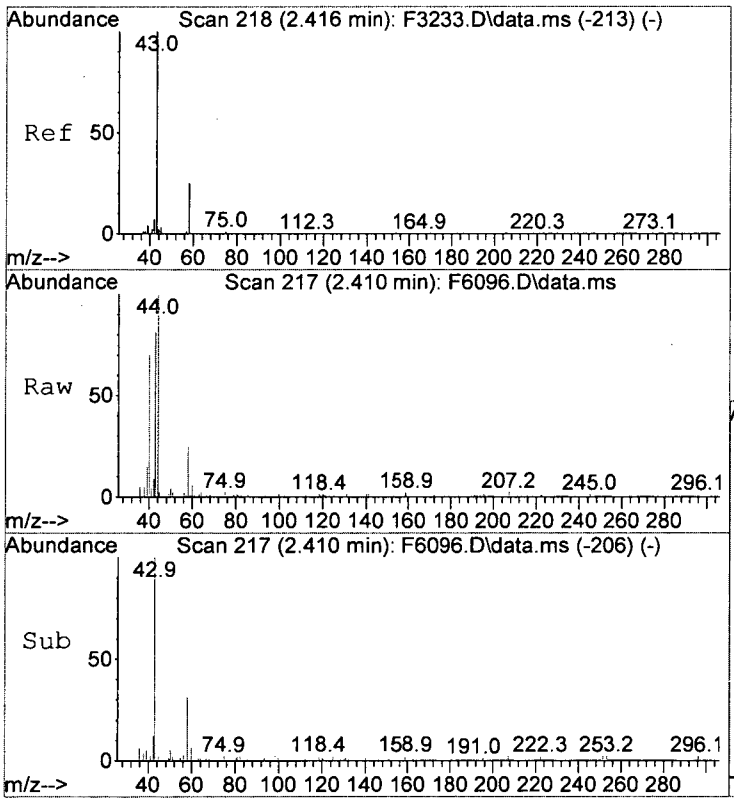


#5
Bromomethane
Concen: Below Cal
RT: 1.629 min Scan# 89
Delta R.T. 0.025 min
Lab File: F6096.D
Acq: 18 Feb 2016 5:37 pm

Tgt Ion: 94 Resp: 380

Ion	Ratio	Lower	Upper
94	100		
96	32.9	71.0	111.0#

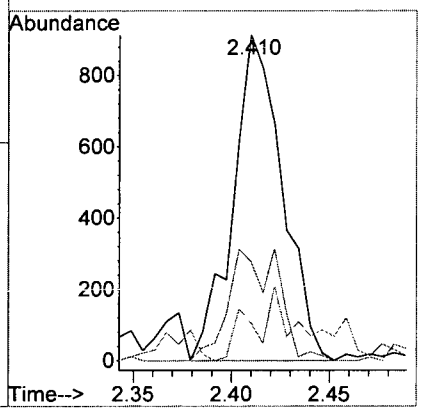


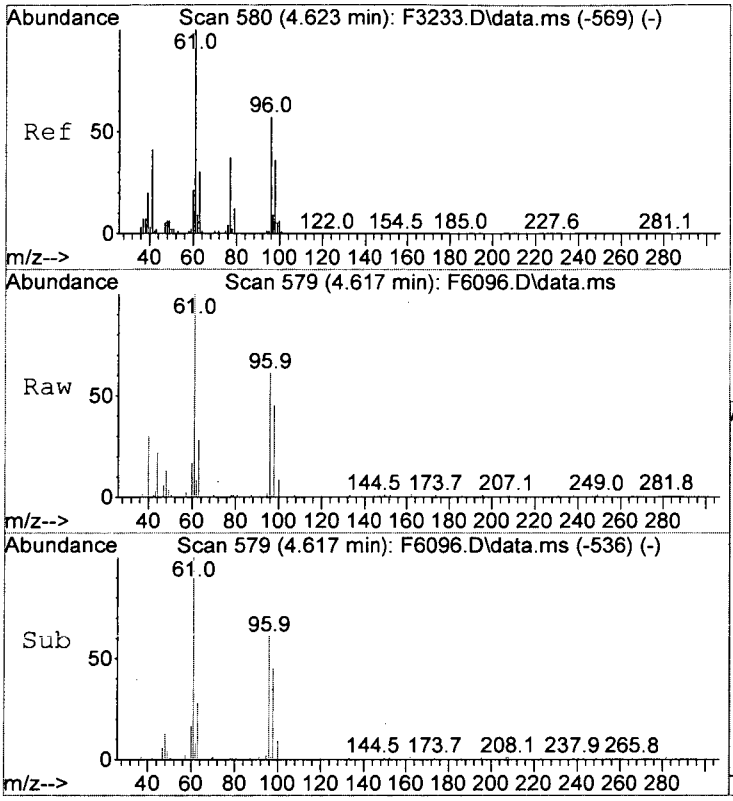


#15
Acetone
Concen: 0.84 ug/L
RT: 2.410 min Scan# 217
Delta R.T. -0.006 min
Lab File: F6096.D
Acq: 18 Feb 2016 5:37 pm

Tgt Ion: 43 Resp: 1592

Ion	Ratio	Lower	Upper
43	100		
58	30.6	4.3	44.3
42	11.7	0.0	27.3

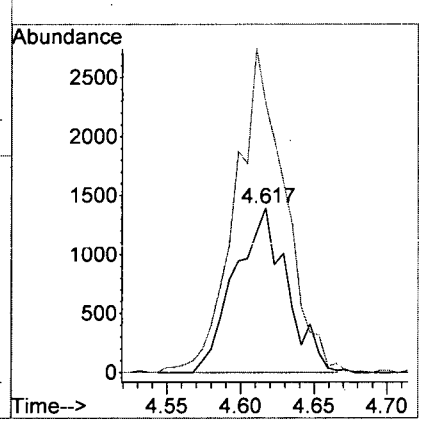


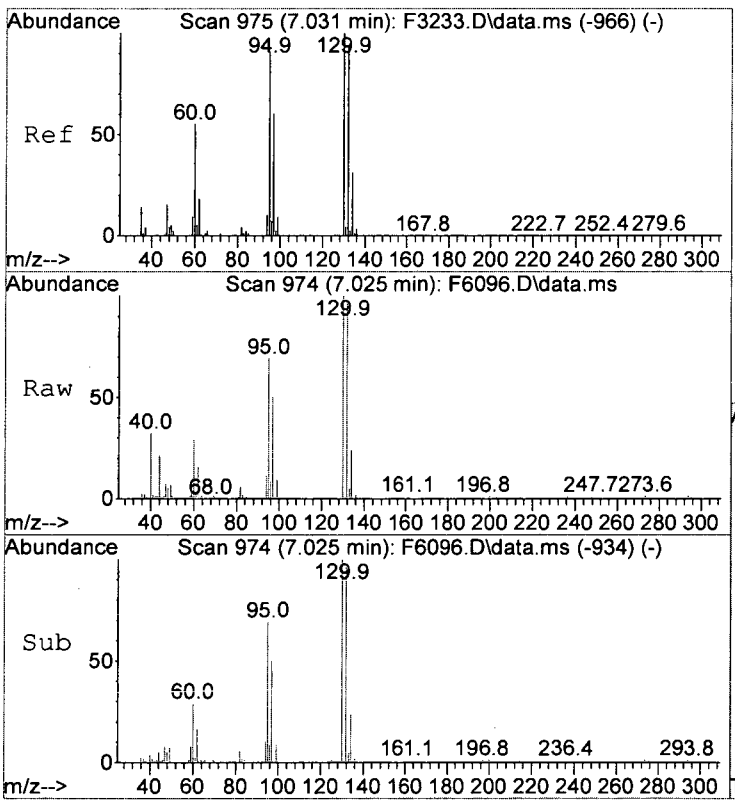


#33
cis-1,2-Dichloroethene
Concen: 1.27 ug/L
RT: 4.617 min Scan# 579
Delta R.T. 0.000 min
Lab File: F6096.D
Acq: 18 Feb 2016 5:37 pm

Tgt Ion: 96 Resp: 3416

Ion	Ratio	Lower	Upper
96	100		
61	163.5	157.0	197.0

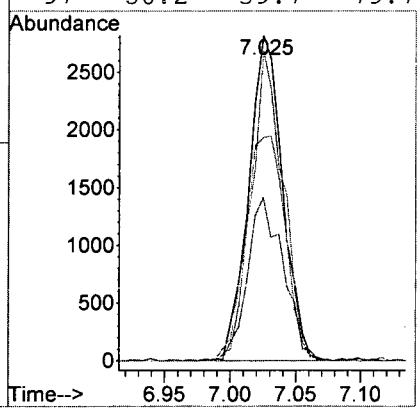


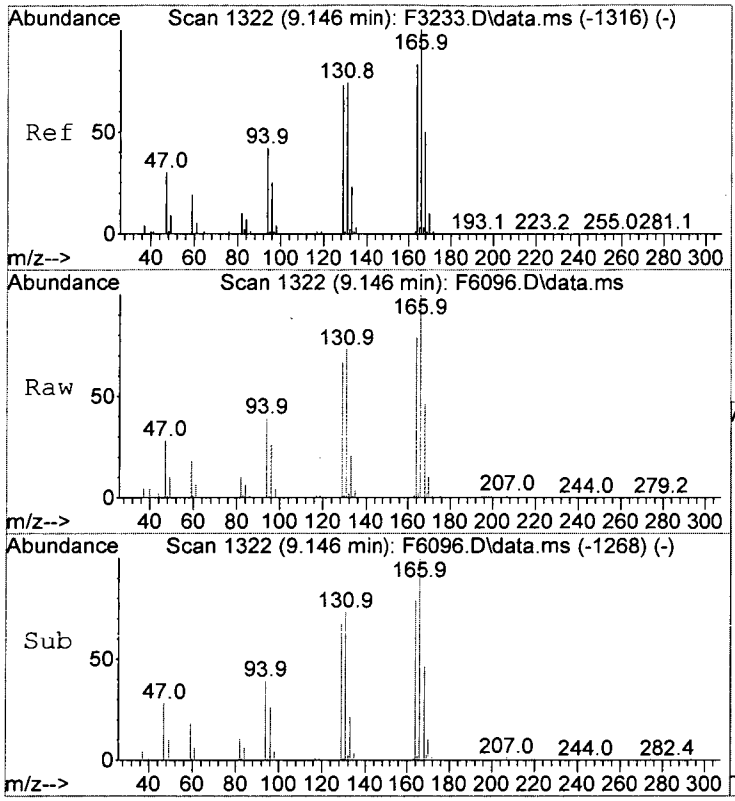


#53
Trichloroethene
Concen: 1.92 ug/L
RT: 7.025 min Scan# 974
Delta R.T. -0.006 min
Lab File: F6096.D
Acq: 18 Feb 2016 5:37 pm

Tgt Ion:130 Resp: 5058

Ion	Ratio	Lower	Upper
130	100		
132	95.5	74.1	114.1
95	68.5	70.9	110.9#
97	50.2	39.7	79.7

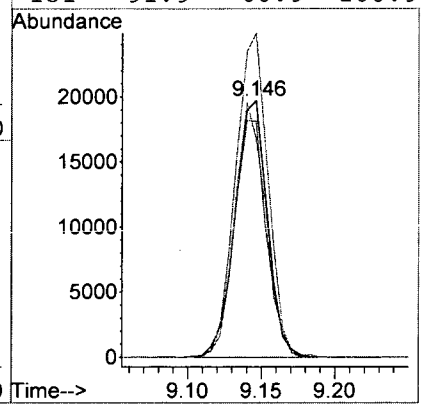




#71
Tetrachloroethene
Concen: 15.33 ug/L
RT: 9.146 min Scan# 1322
Delta R.T. 0.000 min
Lab File: F6096.D
Acq: 18 Feb 2016 5:37 pm

Tgt Ion:164 Resp: 30054

Ion	Ratio	Lower	Upper
164	100		
166	126.2	100.5	140.5
129	85.1	68.0	108.0
131	91.9	68.9	108.9



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6097.D
Acq On : 18 Feb 2016 6:01 pm
Operator : F. Naegler
Sample : R1601321-015|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 19 11:34:23 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	273592	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	384242	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	337518	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	179254	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	115047	48.68	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 97.36%			
46) surr1,1,2-dichloroetha...	6.025	65	153052	53.71	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.42%			
64) SURR3,Toluene-d8	8.488	98	455354	49.18	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.36%			
69) SURR2,BFB	11.018	95	177964	49.19	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.38%			
Target Compounds						Qvalue
15) Acetone	2.416	43	1320	0.69	ug/L	92
33) cis-1,2-Dichloroethene	4.617	96	2673	0.99	ug/L #	69
39) Chloroform	5.238	83	958m	0.22	ug/L	
53) Trichloroethene	7.031	130	4781	1.85	ug/L	90
71) Tetrachloroethene	9.140	164	51570	26.30	ug/L	97

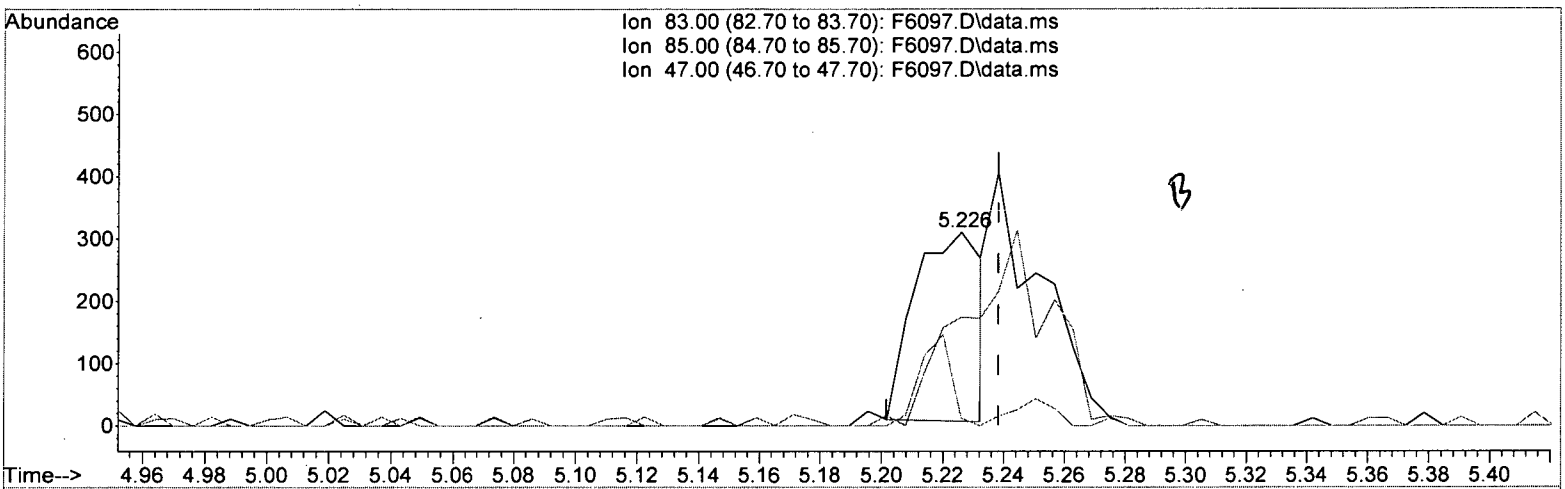
(#) = qualifier out of range (m) = manual integration (+) = signals summed

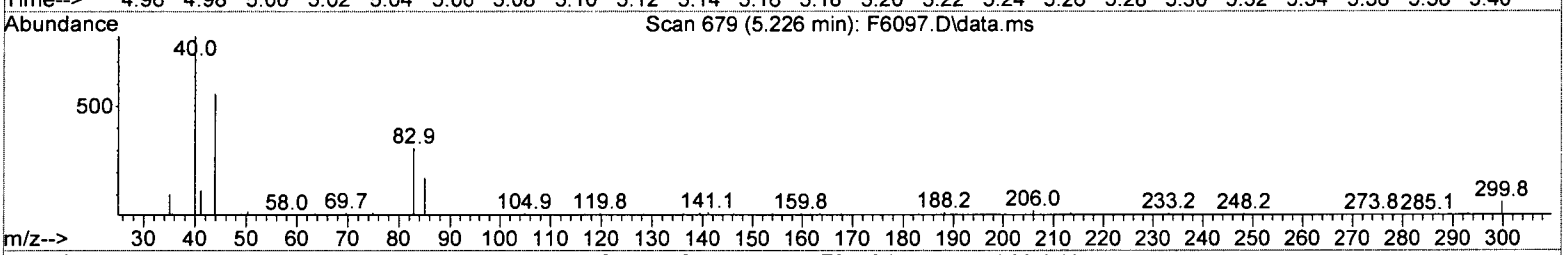
FJ 2/19/16

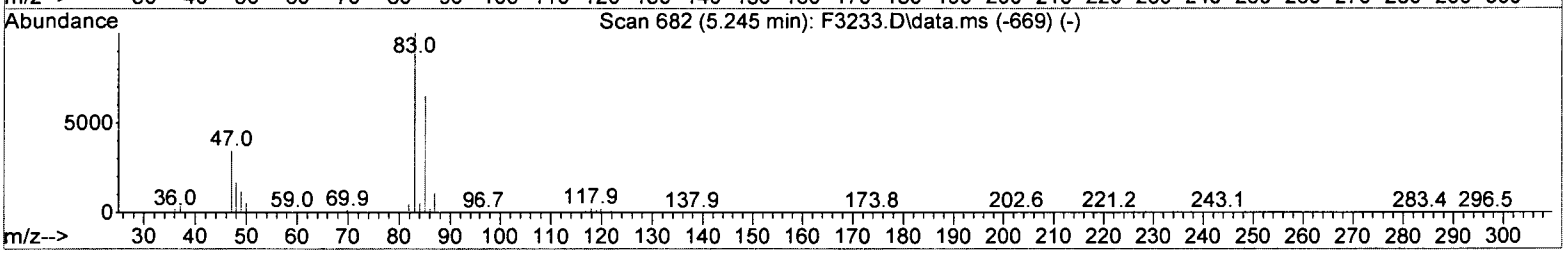
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6097.D
Acq On : 18 Feb 2016 6:01 pm
Operator : F. Naegler
Sample : R1601321-015|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 18 18:15:37 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration







TIC: F6097.D\data.ms

(39) Chloroform (P)

5.226min (-0.012) 0.11 ug/L

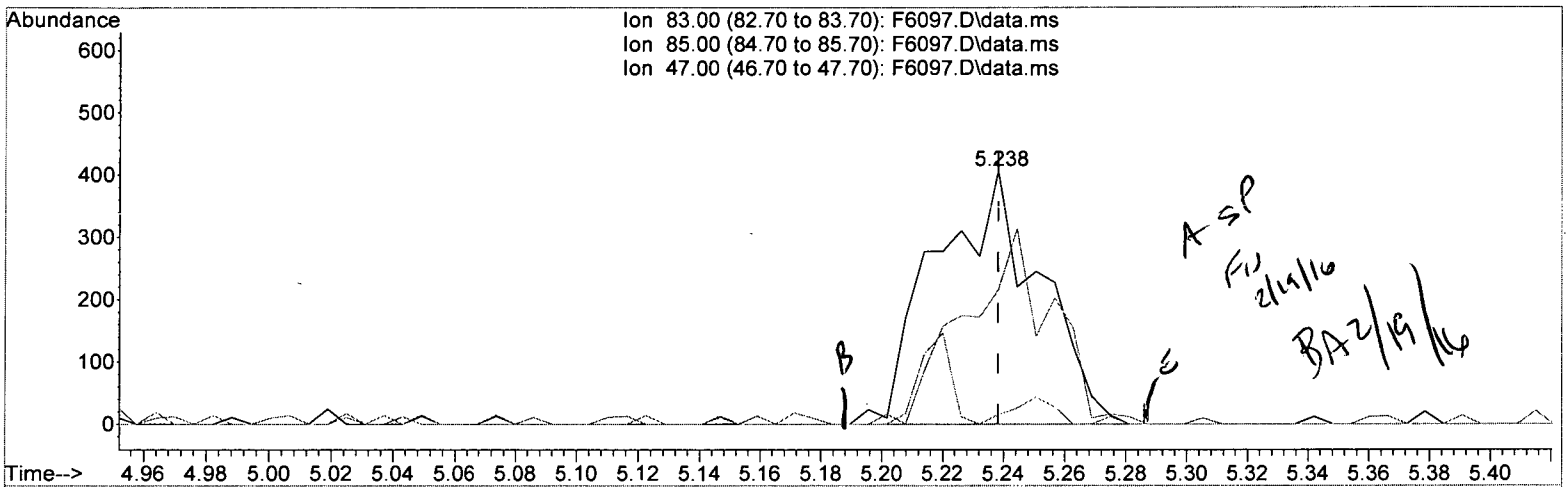
response 462

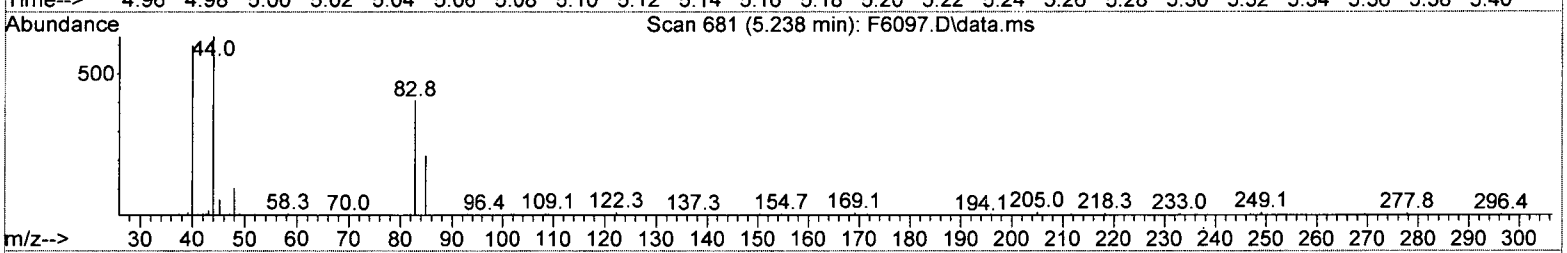
Ion	Exp%	Act%
83.00	100	100
85.00	64.70	56.13
47.00	34.40	3.87#
0.00	0.00	0.00

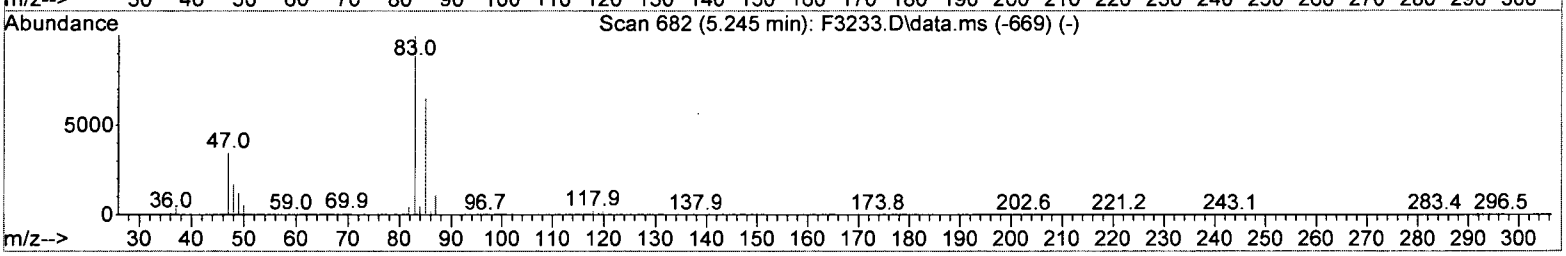
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6097.D
Acq On : 18 Feb 2016 6:01 pm
Operator : F. Naegler
Sample : R1601321-015|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 18 18:15:37 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration







TIC: F6097.D\data.ms

(39) Chloroform (P)

5.238min (+0.000) 0.22 ug/L m

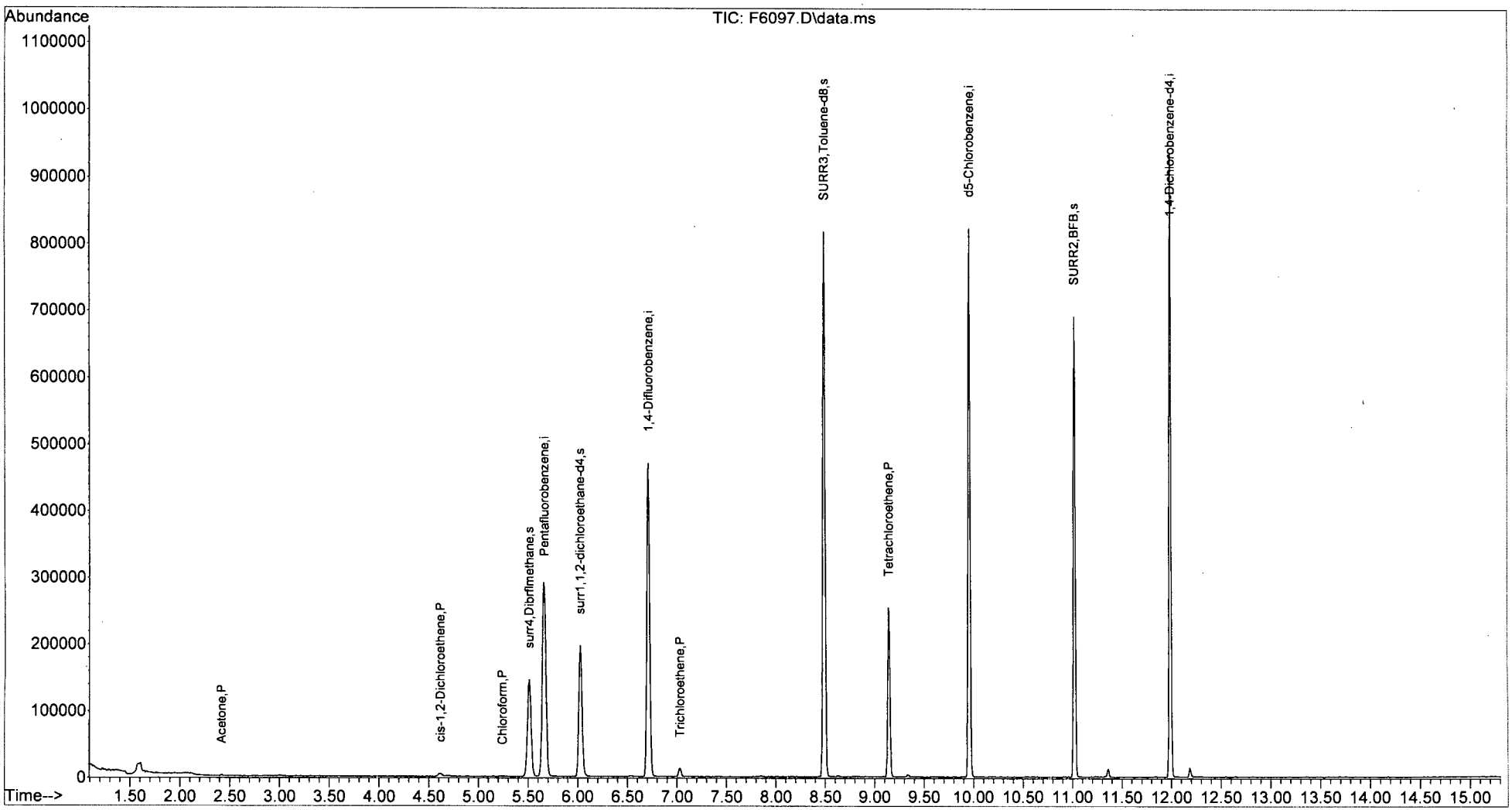
response 958

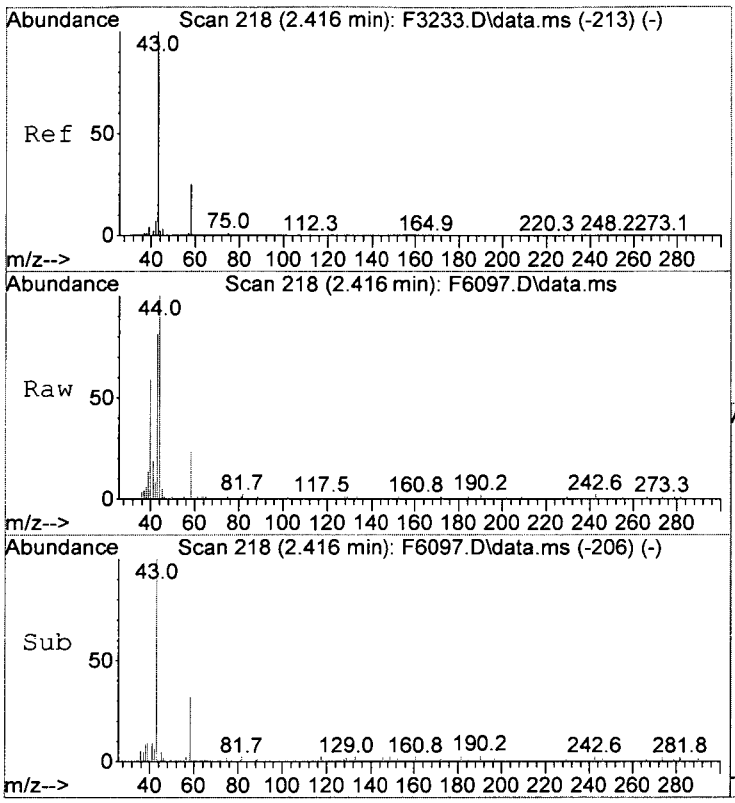
Ion	Exp%	Act%
83.00	100	100
85.00	64.70	52.96
47.00	34.40	3.69#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6097.D
Acq On : 18 Feb 2016 6:01 pm
Operator : F. Naegler
Sample : R1601321-015|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 19 11:34:23 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

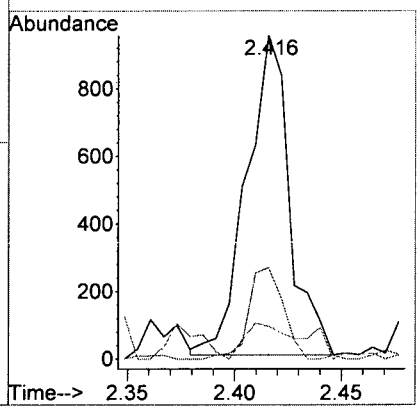


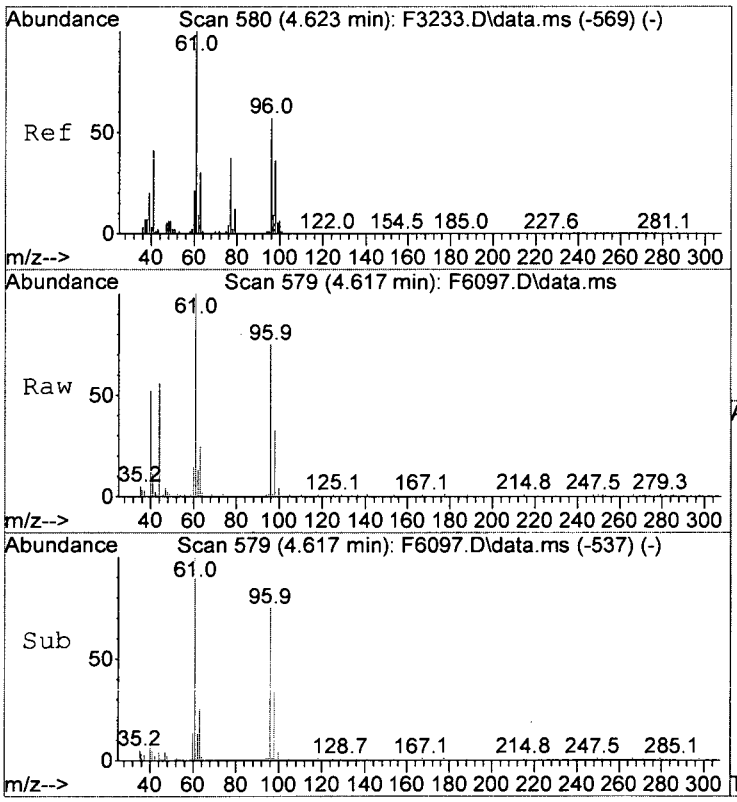


#15
Acetone
Concen: 0.69 ug/L
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: F6097.D
Acq: 18 Feb 2016 6:01 pm

Tgt Ion: 43 Resp: 1320

Ion	Ratio	Lower	Upper
43	100		
58	28.2	4.3	44.3
42	10.1	0.0	27.3

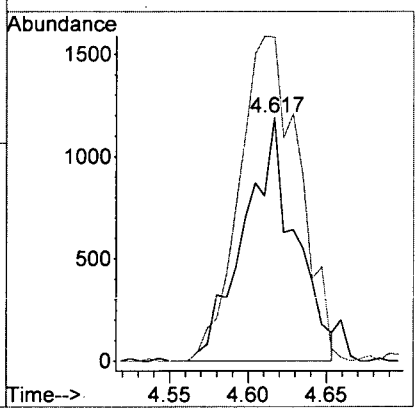


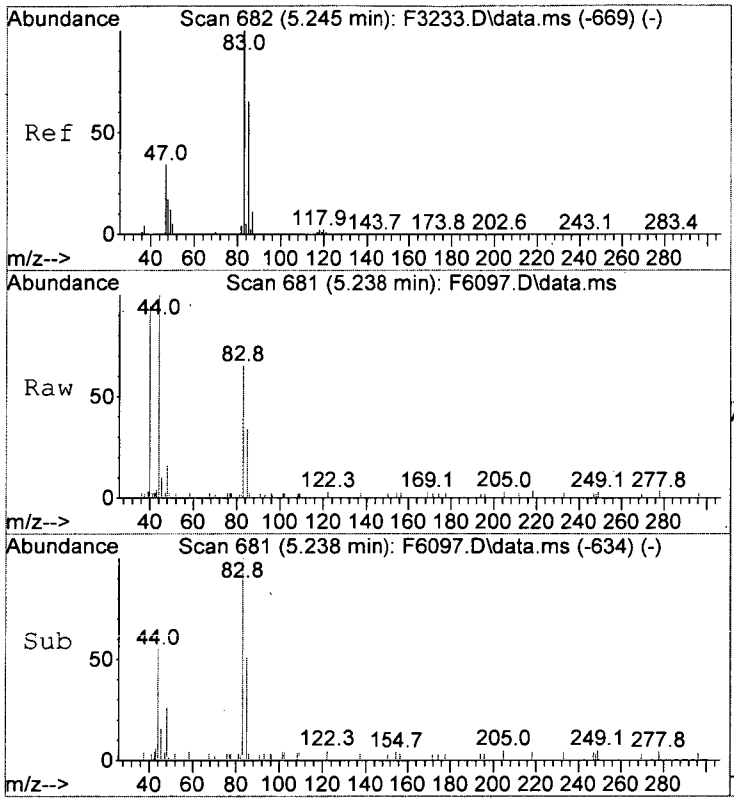


#33
cis-1,2-Dichloroethene
Concen: 0.99 ug/L
RT: 4.617 min Scan# 579
Delta R.T. 0.000 min
Lab File: F6097.D
Acq: 18 Feb 2016 6:01 pm

Tgt Ion: 96 Resp: 2673

Ion	Ratio	Lower	Upper
96	100		
61	132.9	157.0	197.0#

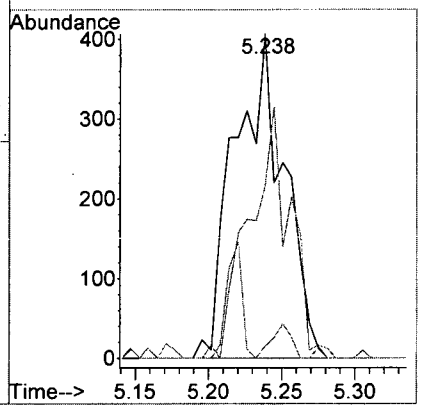


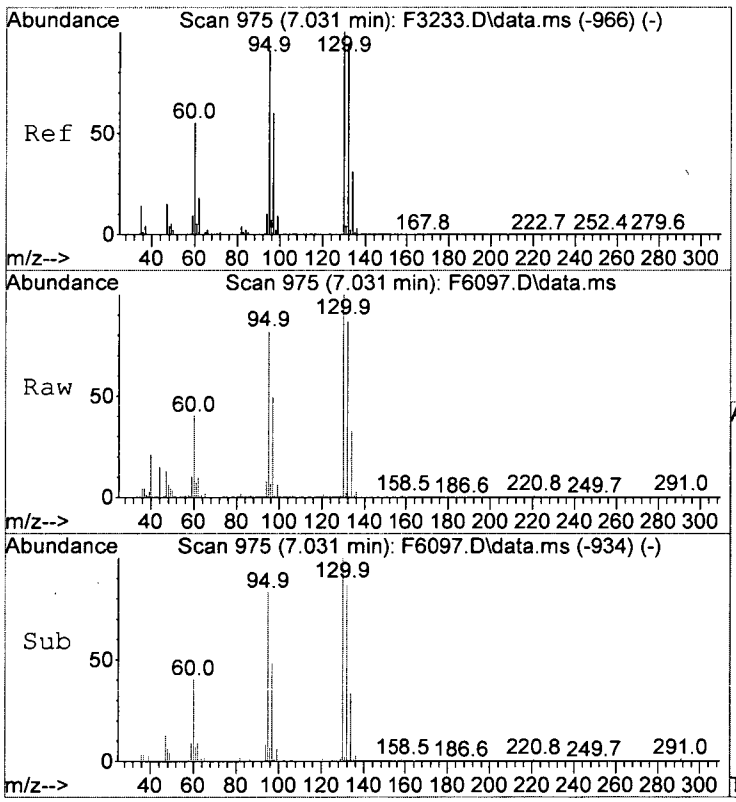


#39
Chloroform
Concen: 0.22 ug/L m
RT: 5.238 min Scan# 681
Delta R.T. 0.000 min
Lab File: F6097.D
Acq: 18 Feb 2016 6:01 pm

Tgt Ion: 83 Resp: 958

Ion	Ratio	Lower	Upper
83	100		
85	53.0	44.7	84.7
47	3.7	14.4	54.4#

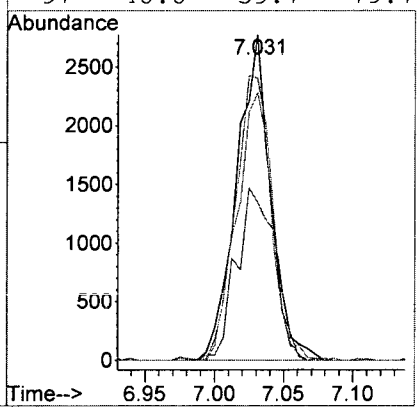


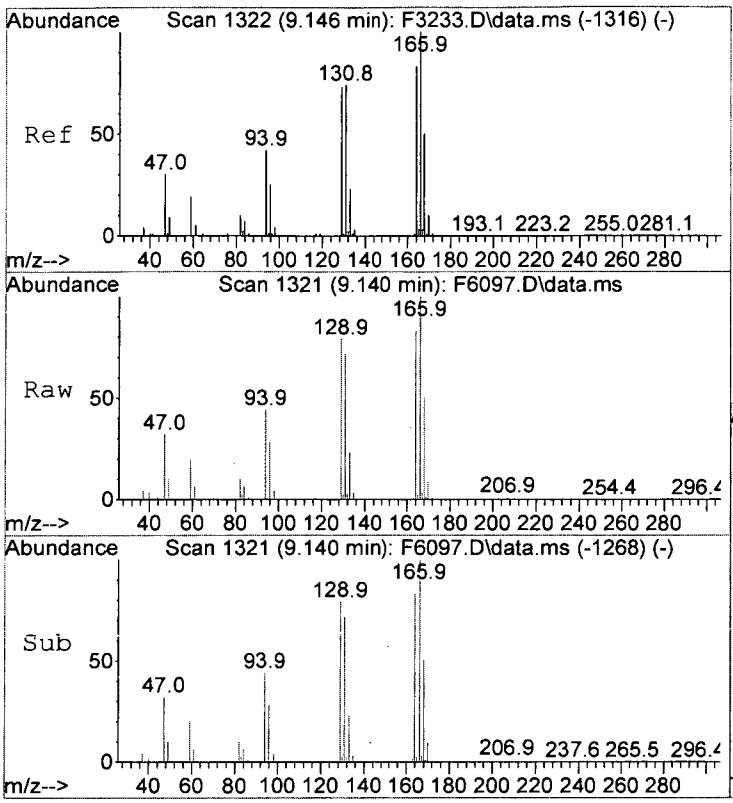


#53
Trichloroethene
Concen: 1.85 ug/L
RT: 7.031 min Scan# 975
Delta R.T. 0.000 min
Lab File: F6097.D
Acq: 18 Feb 2016 6:01 pm

Tgt Ion:130 Resp: 4781

Ion	Ratio	Lower	Upper
130	100		
132	86.6	74.1	114.1
95	82.2	70.9	110.9
97	48.8	39.7	79.7

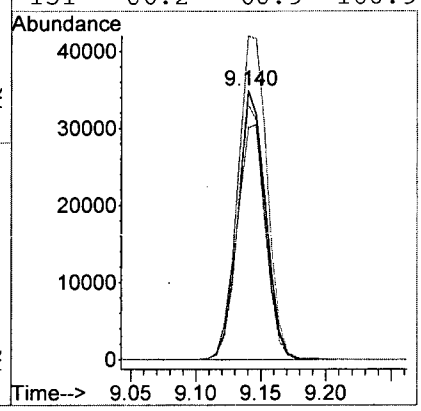




#71
Tetrachloroethene
Concen: 26.30 ug/L
RT: 9.140 min Scan# 1321
Delta R.T. -0.006 min
Lab File: F6097.D
Acq: 18 Feb 2016 6:01 pm

Tgt Ion:164 Resp: 51570

Ion	Ratio	Lower	Upper
164	100		
166	120.3	100.5	140.5
129	94.9	68.0	108.0
131	86.2	68.9	108.9



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6098.D
Acq On : 18 Feb 2016 6:25 pm
Operator : F. Naegler
Sample : R1601321-016|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 19 12:35:34 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.659	168	274663	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	395233	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	345201	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	182142	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	120751	49.68	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 99.36%			
46) surr1,1,2-dichloroetha...	6.025	65	163059	55.63	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 111.26%			
64) SURR3,Toluene-d8	8.488	98	480271	50.43	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.86%			
69) SURR2,BFB	11.018	95	184459	49.57	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.14%			
Target Compounds						Qvalue
15) Acetone	2.410	43	1280	0.67	ug/L	86

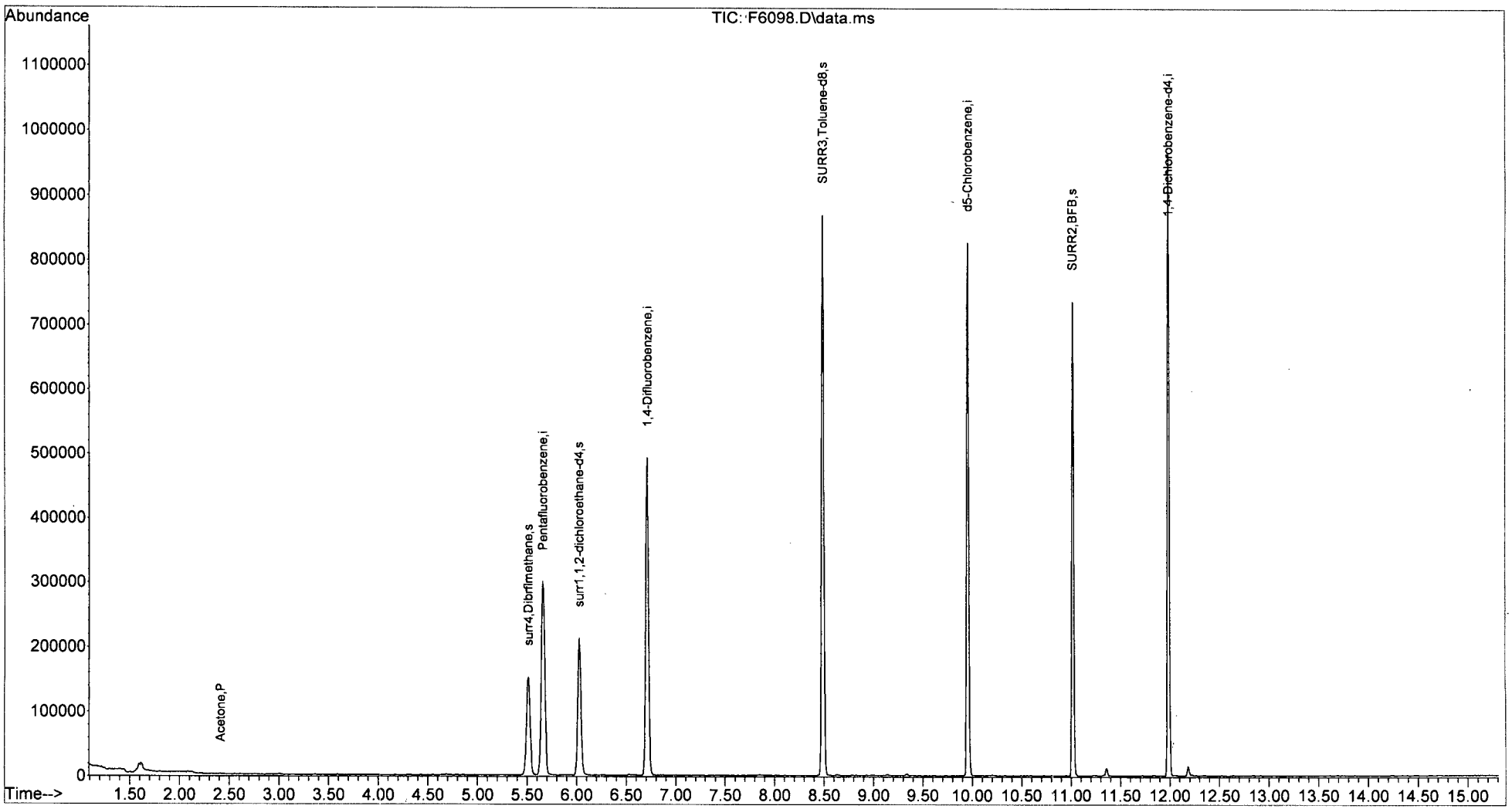
(#) = qualifier out of range (m) = manual integration (+) = signals summed

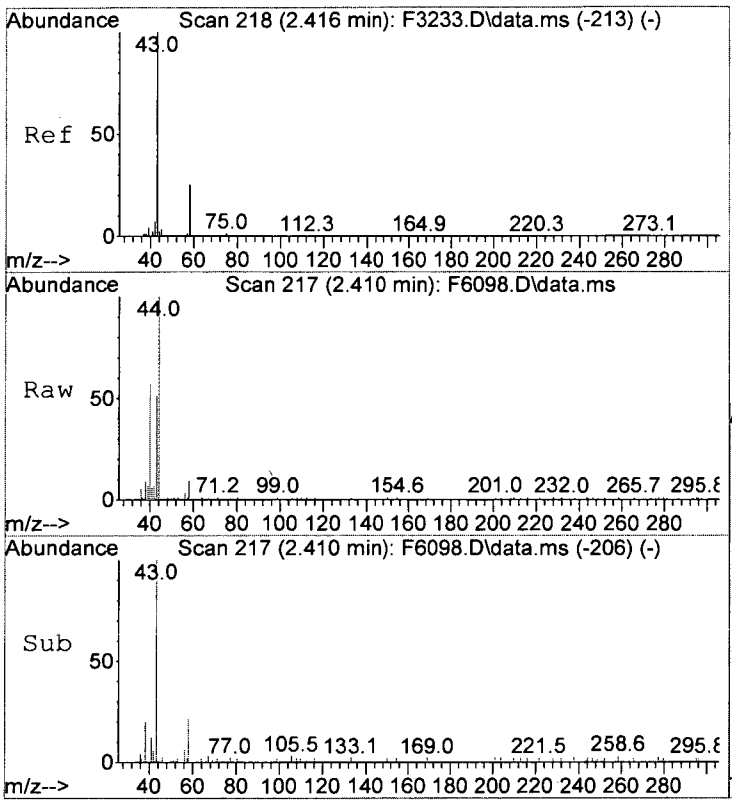
FV 2/19/16

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6098.D
Acq On : 18 Feb 2016 6:25 pm
Operator : F. Naegler
Sample : R1601321-016|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 19 12:35:34 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

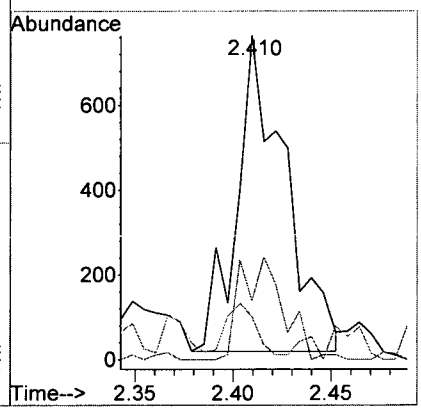




#15
Acetone
Concen: 0.67 ug/L
RT: 2.410 min Scan# 217
Delta R.T. -0.006 min
Lab File: F6098.D
Acq: 18 Feb 2016 6:25 pm

Tgt Ion: 43 Resp: 1280

Ion	Ratio	Lower	Upper
43	100		
58	18.1	4.3	44.3
42	13.4	0.0	27.3



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6099.D
Acq On : 18 Feb 2016 6:49 pm
Operator : F. Naegler
Sample : R1601321-017|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 19 12:37:39 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	274886	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	391446	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	343678	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	179223	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	118100	49.06	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 98.12%			
46) surr1,1,2-dichloroetha...	6.025	65	159210	54.84	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 109.68%			
64) SURR3,Toluene-d8	8.488	98	472897	50.14	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.28%			
69) SURR2,BFB	11.018	95	183528	49.80	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.60%			
Target Compounds						Qvalue
15) Acetone	2.416	43	1395	0.73	ug/L	88
18) Carbon Disulfide	2.556	76	11416m	1.77	ug/L	

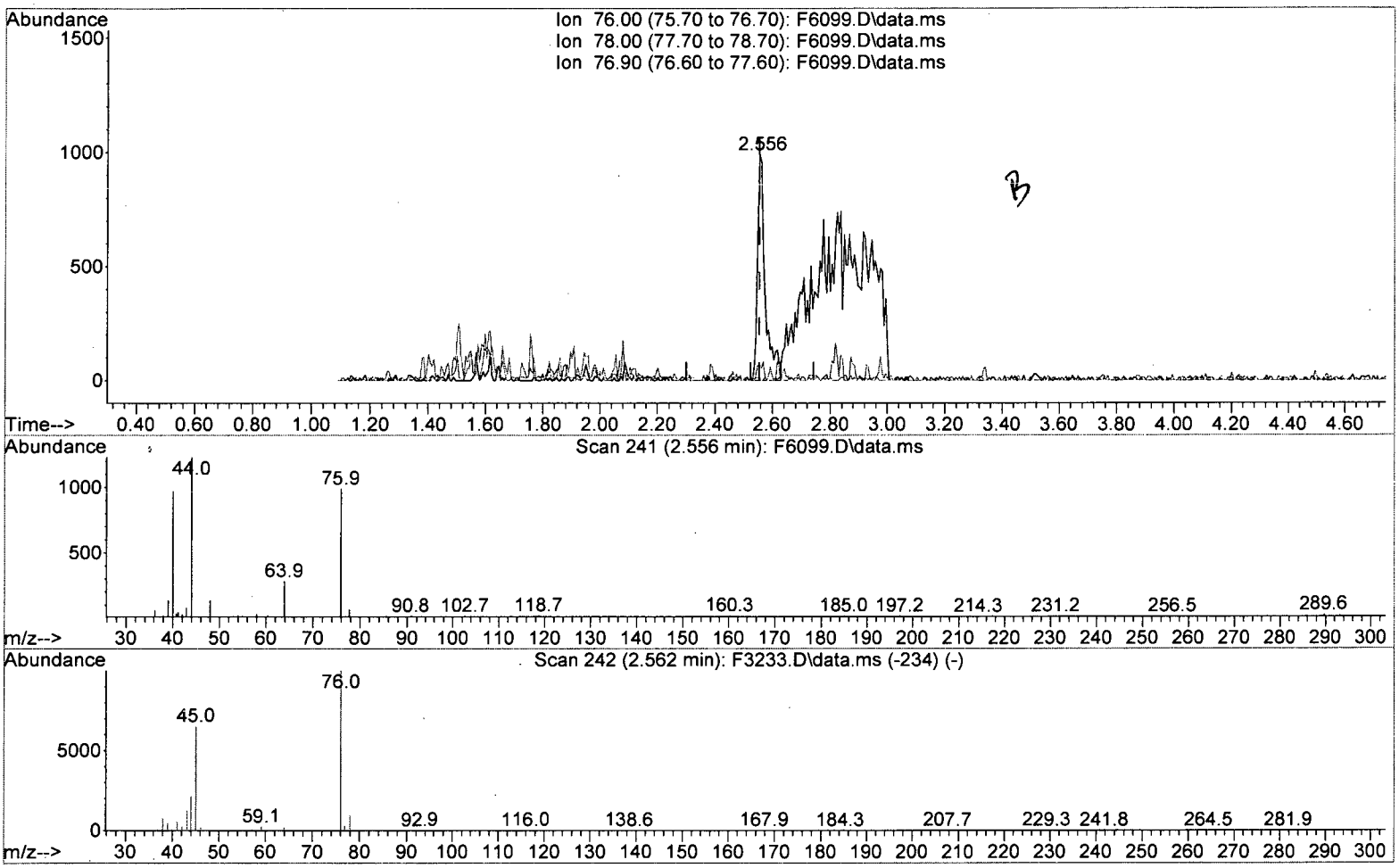
(#) = qualifier out of range (m) = manual integration (+) = signals summed

FJ 2/19/16

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6099.D
Acq On : 18 Feb 2016 6:49 pm
Operator : F. Naegler
Sample : R1601321-017|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 18 19:03:46 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6099.D\data.ms

(18) Carbon Disulfide (P)

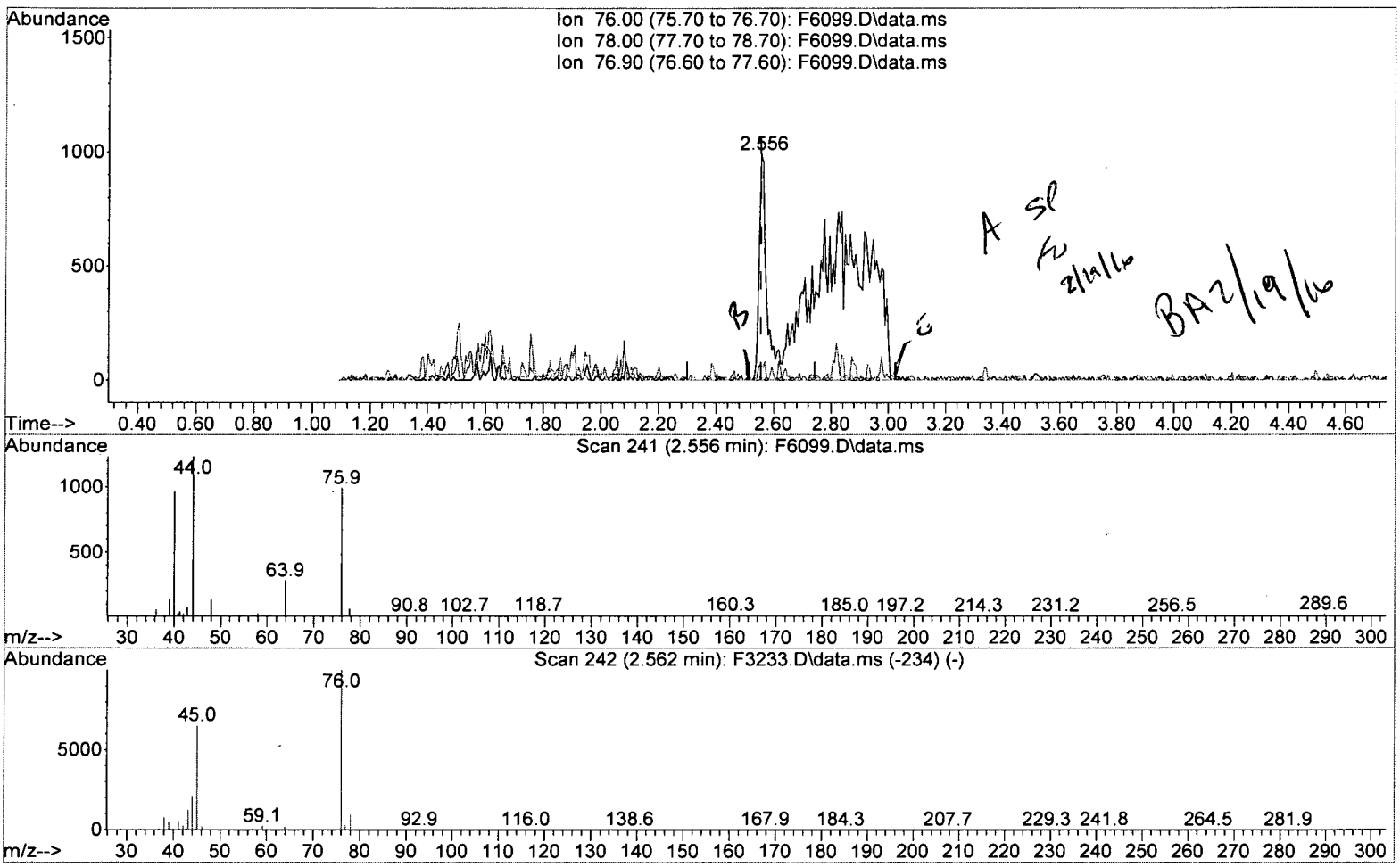
2.556min (+0.000) 0.28 ug/L

response 1792

Ion	Exp%	Act%
76.00	100	100
78.00	9.40	6.57
76.90	2.70	1.31
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6099.D
Acq On : 18 Feb 2016 6:49 pm
Operator : F. Naegler
Sample : R1601321-017|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 18 19:03:46 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6099.D\data.ms

(18) Carbon Disulfide (P)

2.556min (+0.000) 1.77 ug/L m

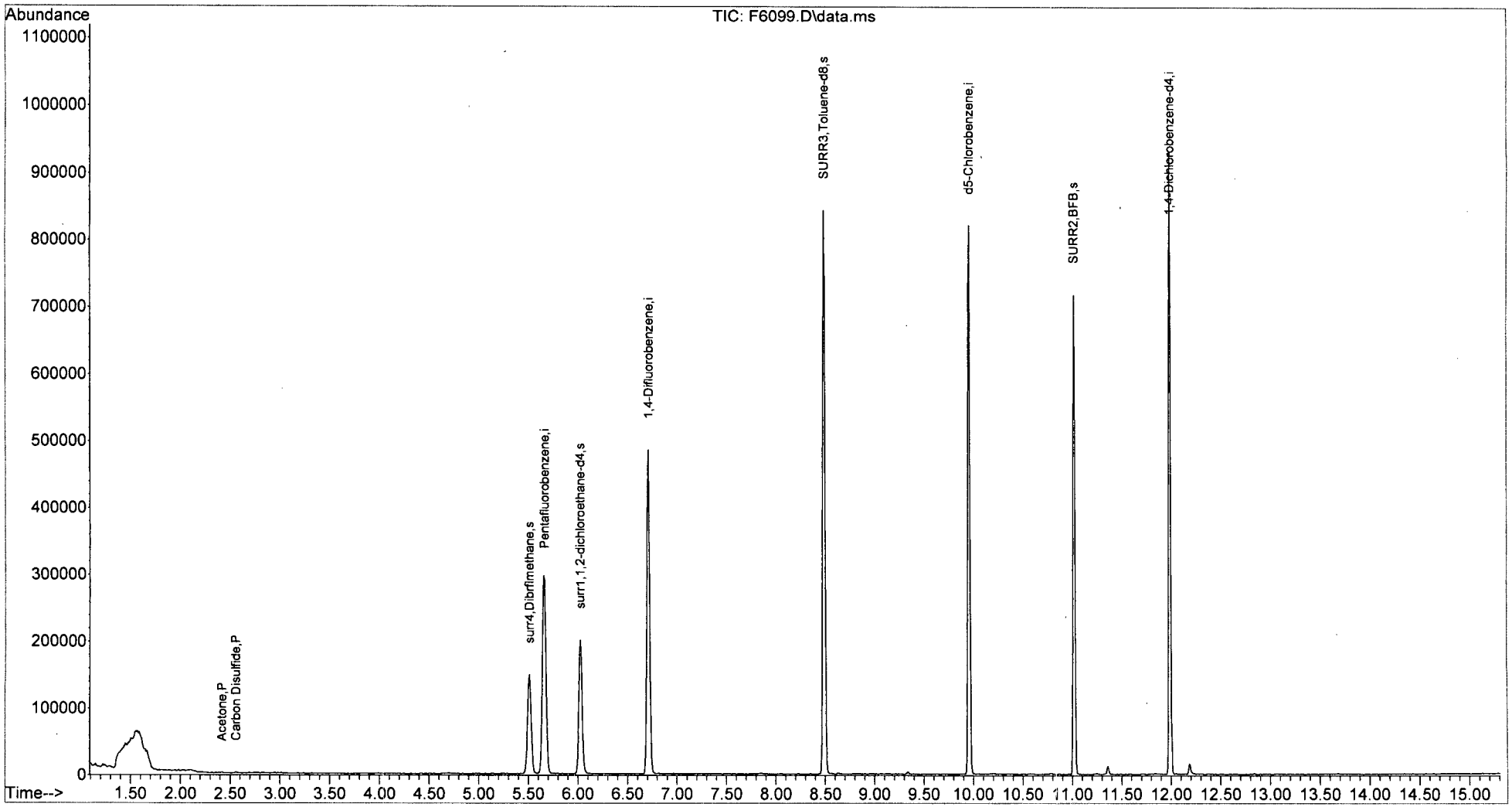
response 11416

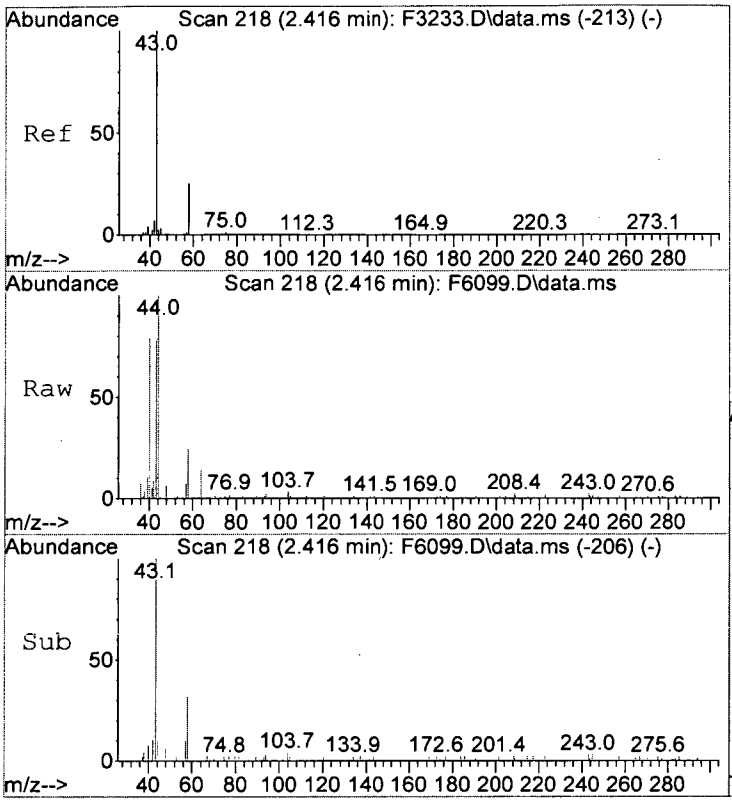
Ion	Exp%	Act%
76.00	100	100
78.00	9.40	6.57
76.90	2.70	1.31
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6099.D
Acq On : 18 Feb 2016 6:49 pm
Operator : F. Naegler
Sample : R1601321-017|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 19 12:37:39 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

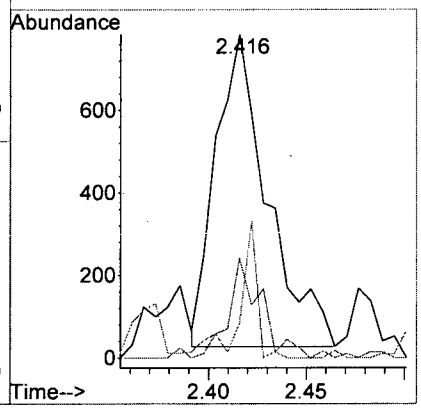


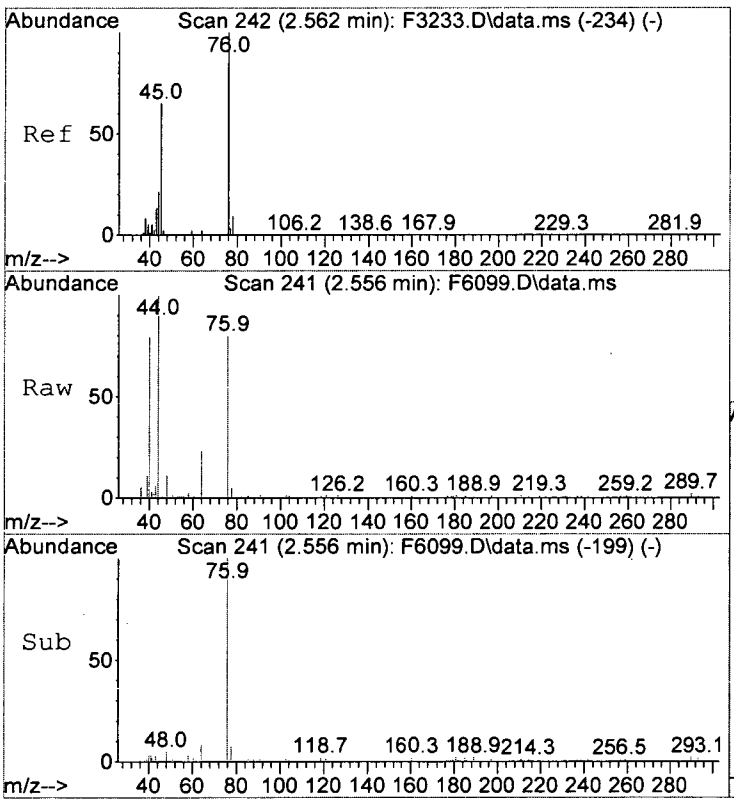


#15
Acetone
Concen: 0.73 ug/L
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: F6099.D
Acq: 18 Feb 2016 6:49 pm

Tgt Ion: 43 Resp: 1395

Ion	Ratio	Lower	Upper
43	100		
58	30.7	4.3	44.3
42	10.7	0.0	27.3

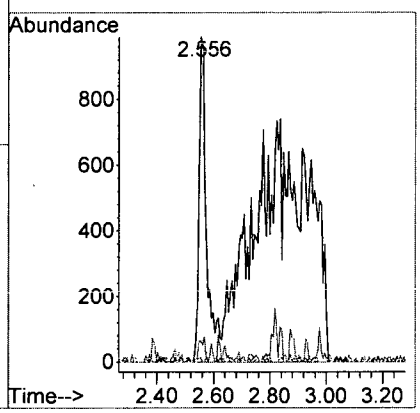




#18
Carbon Disulfide
Concen: 1.77 ug/L m
RT: 2.556 min Scan# 241
Delta R.T. 0.000 min
Lab File: F6099.D
Acq: 18 Feb 2016 6:49 pm

Tgt Ion: 76 Resp: 11416

Ion	Ratio	Lower	Upper
76	100		
78	6.6	0.0	29.4
77	1.3	0.0	22.7



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6100.D
Acq On : 18 Feb 2016 7:13 pm
Operator : F. Naegler
Sample : R1601321-018|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 19 12:39:57 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.659	168	276529	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	397085	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	352856	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	187616	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.507	113	119108	48.77	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 97.54%			
46) surr1,1,2-dichloroetha...	6.025	65	156458	53.13	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.26%			
64) SURR3,Toluene-d8	8.488	98	471155	49.24	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.48%			
69) SURR2,BFB	11.018	95	185064	49.50	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.00%			
Target Compounds						Qvalue
5) Bromomethane	1.611	94	252	Below Cal	#	38
15) Acetone	2.416	43	1417m	0.74	ug/L	
71) Tetrachloroethene	9.140	164	1980	0.97	ug/L	93

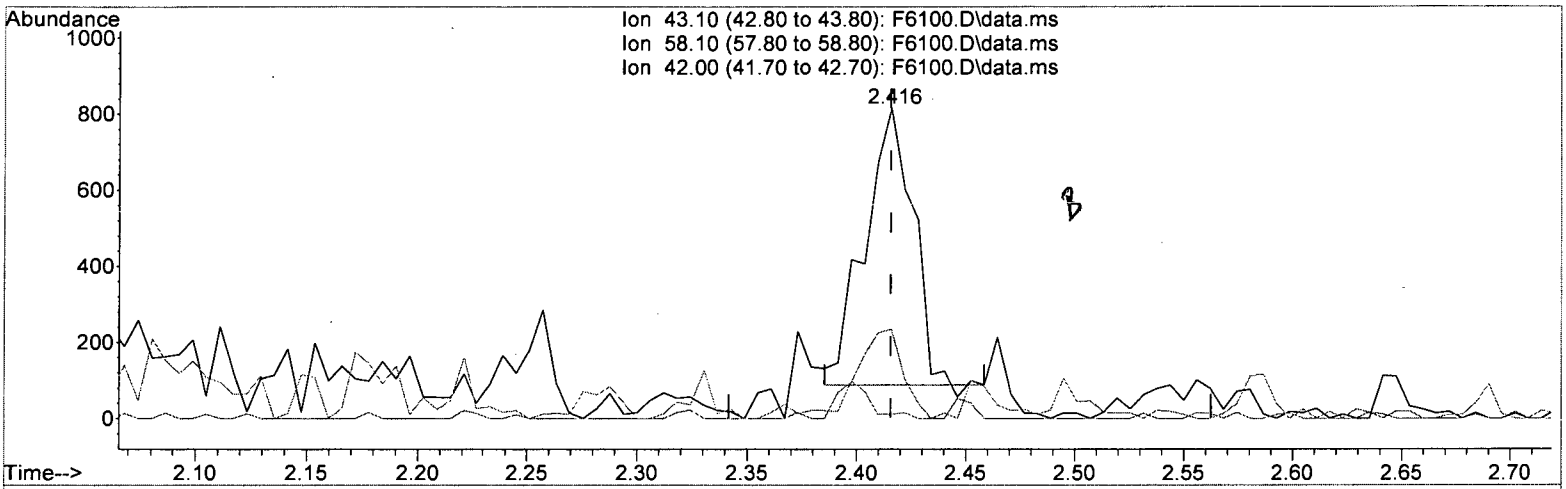
(#) = qualifier out of range (m) = manual integration (+) = signals summed

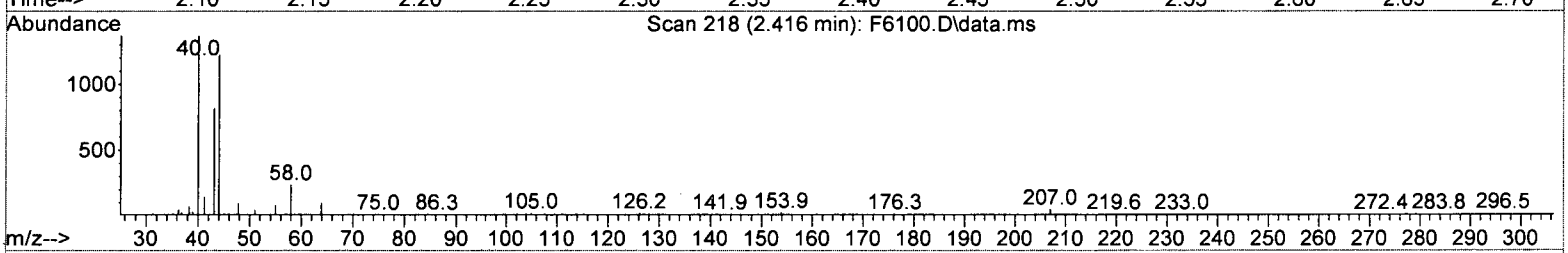
FN 2/19/16

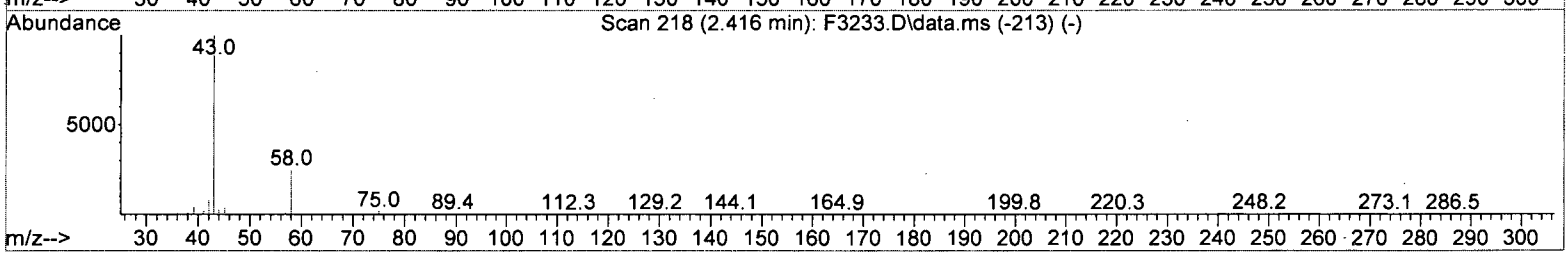
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6100.D
Acq On : 18 Feb 2016 7:13 pm
Operator : F. Naegler
Sample : R1601321-018|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 18 19:27:53 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration







TIC: F6100.D\data.ms

(15) Acetone (P)

2.416min (+0.000) 0.57 ug/L

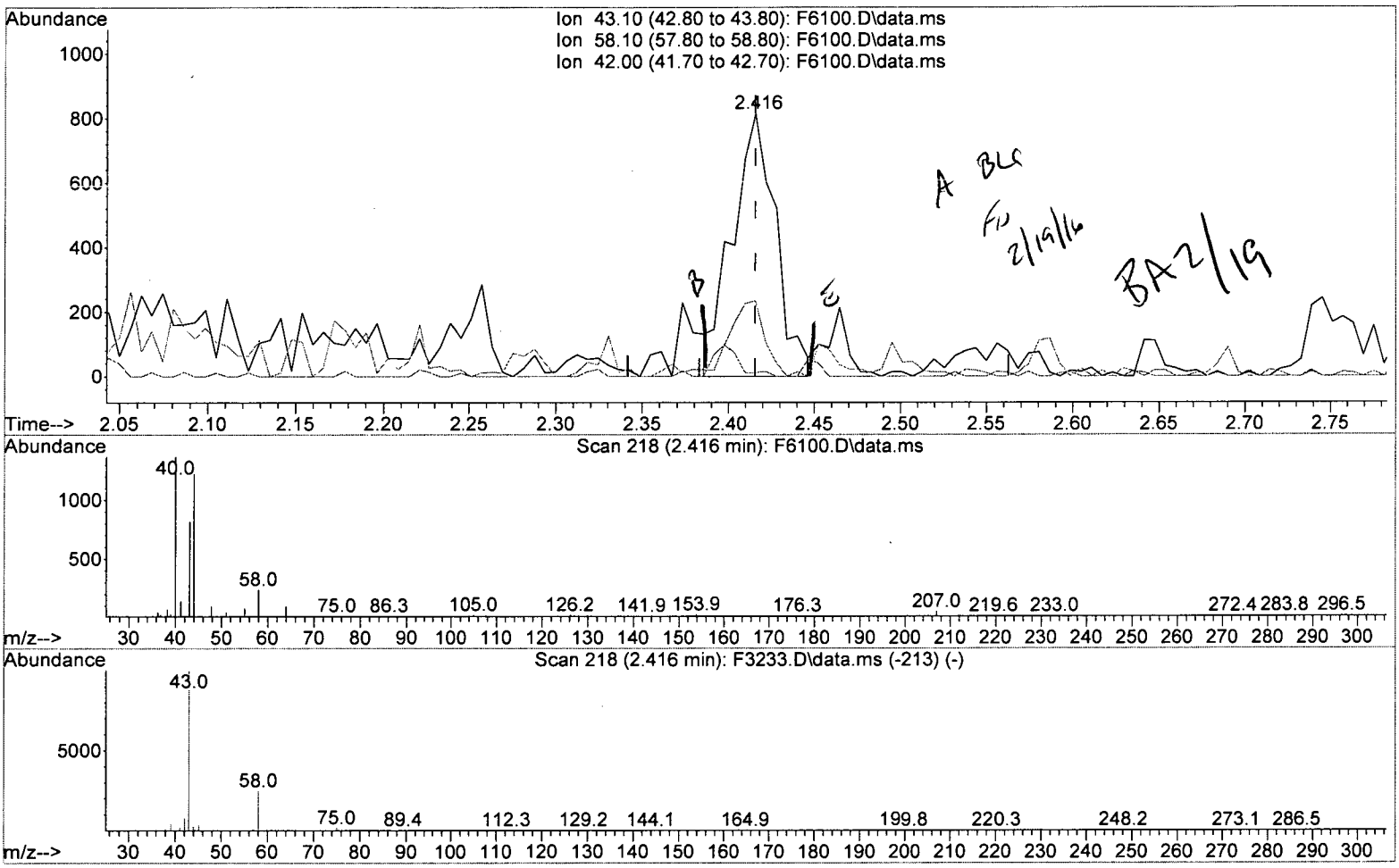
response 1099

Ion	Exp%	Act%
43.10	100	100
58.10	24.30	28.75
42.00	7.30	1.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6100.D
Acq On : 18 Feb 2016 7:13 pm
Operator : F. Naegler
Sample : R1601321-018|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 18 19:27:53 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6100.D\data.ms

(15) Acetone (P)

2.416min (+0.000) 0.74 ug/L m

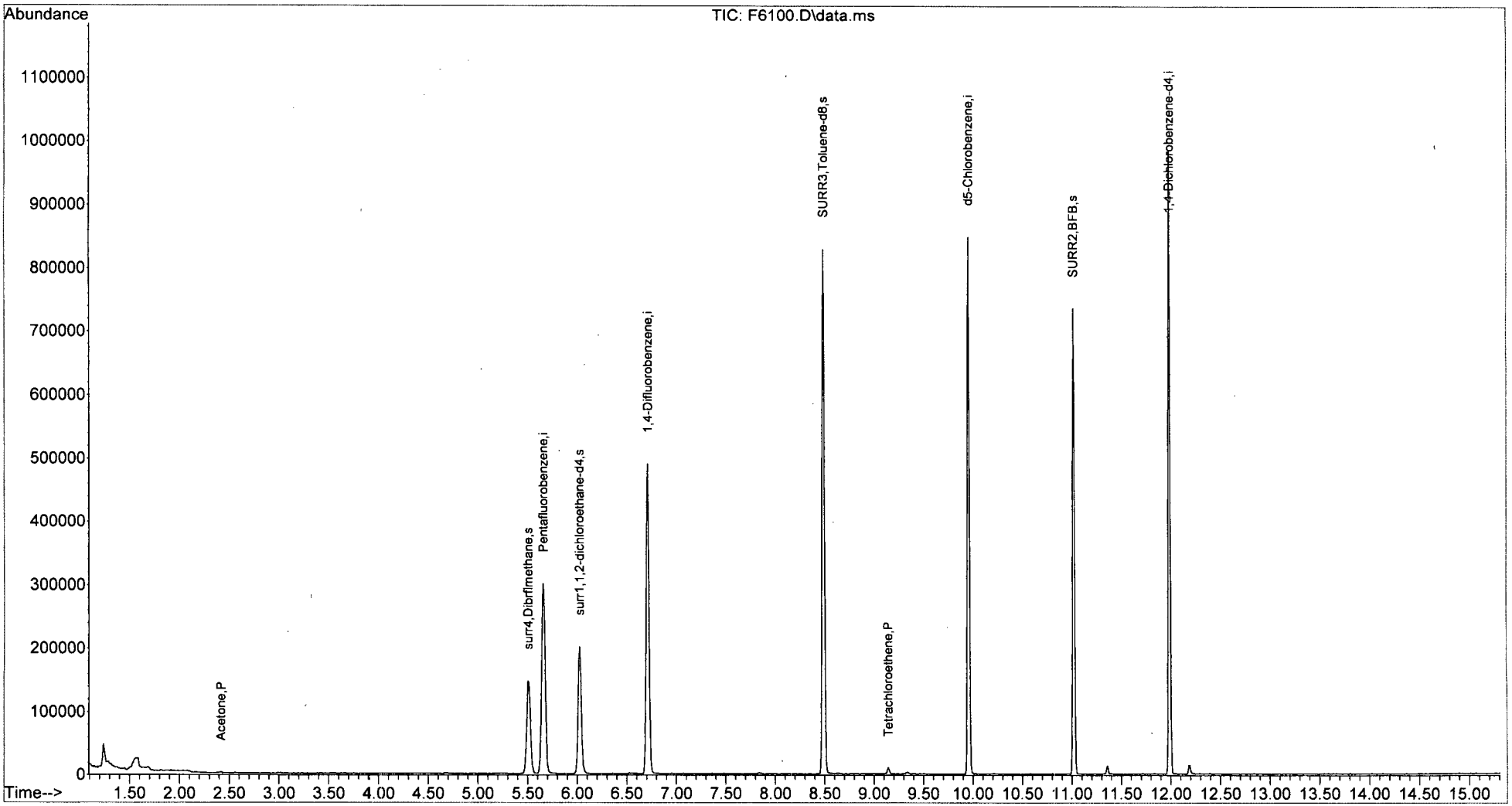
response 1417

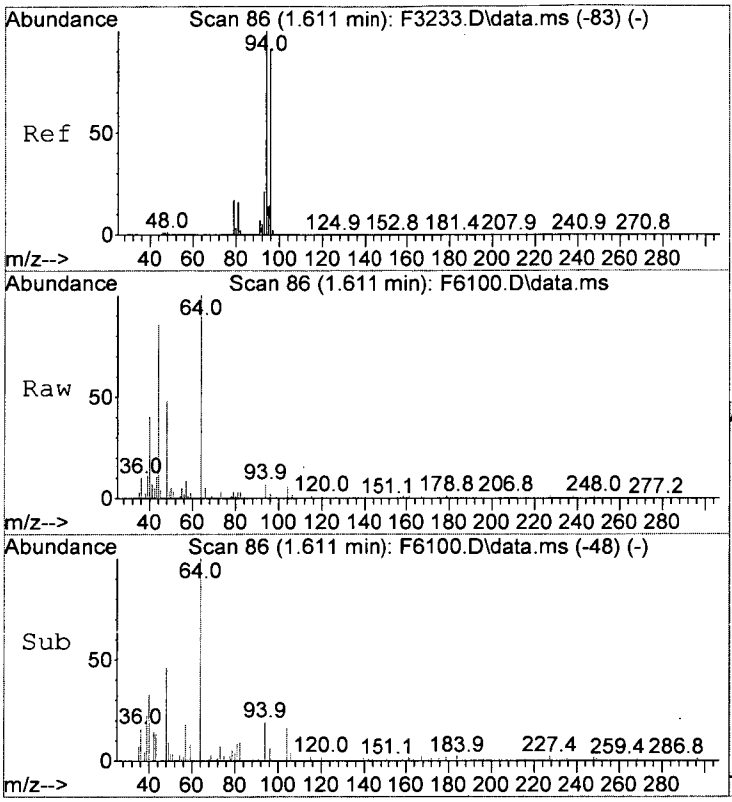
Ion	Exp%	Act%
43.10	100	100
58.10	24.30	28.75
42.00	7.30	1.35
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6100.D
Acq On : 18 Feb 2016 7:13 pm
Operator : F. Naegler
Sample : R1601321-018|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 19 12:39:57 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

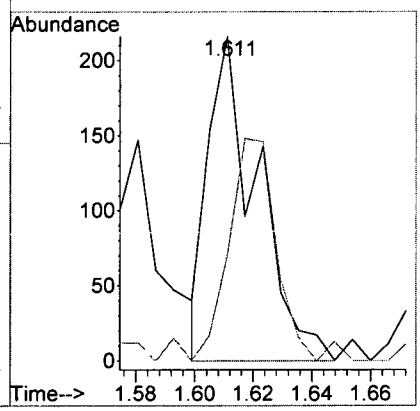


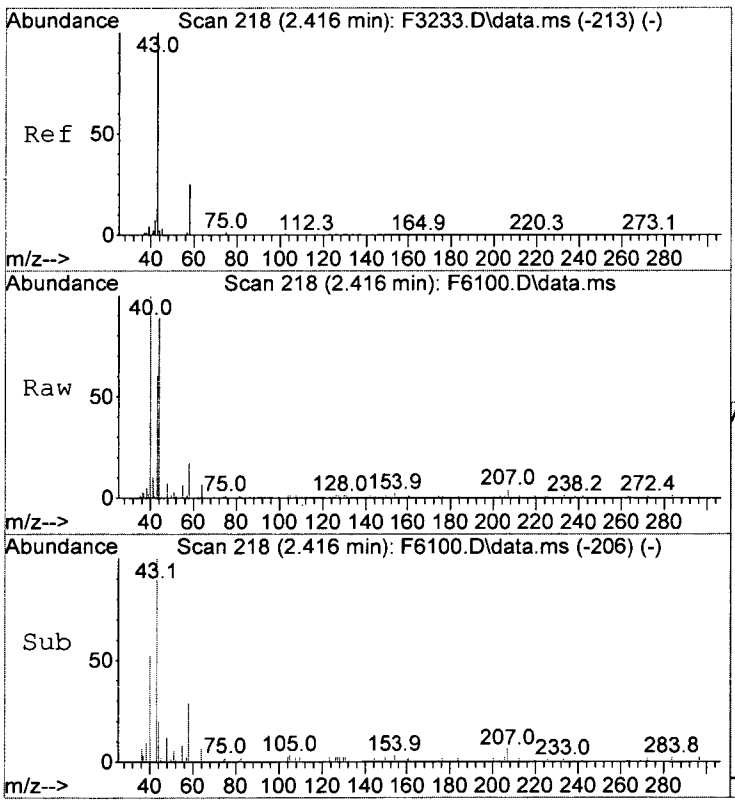


#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.007 min
Lab File: F6100.D
Acq: 18 Feb 2016 7:13 pm

Tgt Ion: 94 Resp: 252

Ion	Ratio	Lower	Upper
94	100		
96	32.4	71.0	111.0#

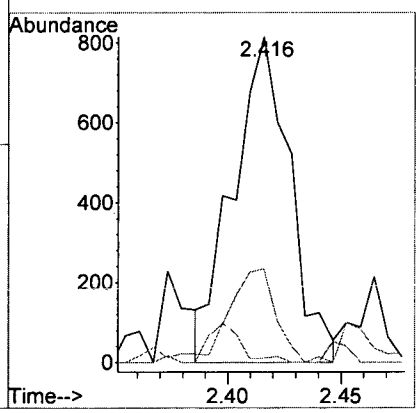


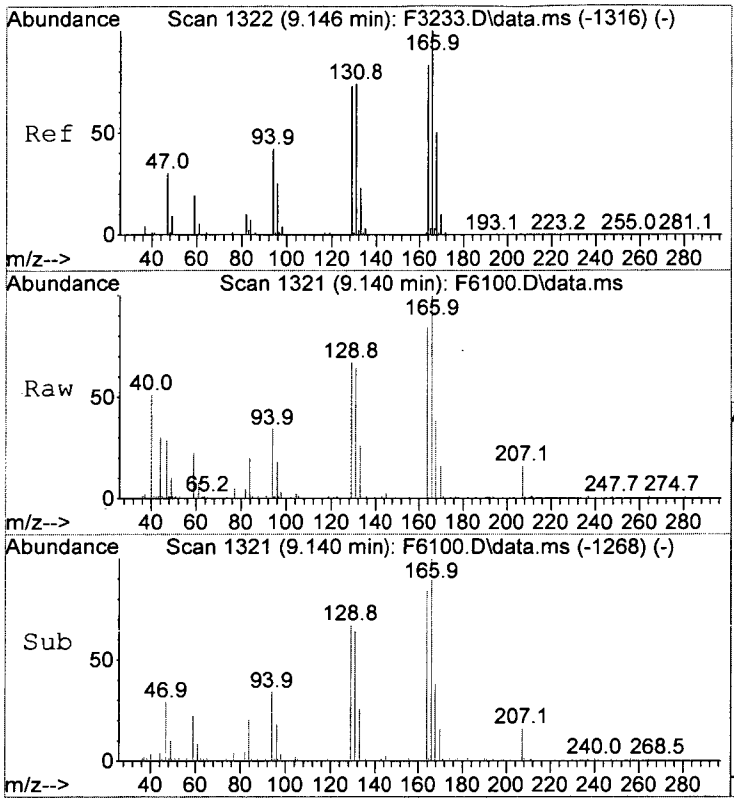


#15
Acetone
Concen: 0.74 ug/L m
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: F6100.D
Acq: 18 Feb 2016 7:13 pm

Tgt Ion: 43 Resp: 1417

Ion	Ratio	Lower	Upper
43	100		
58	28.7	4.3	44.3
42	1.4	0.0	27.3

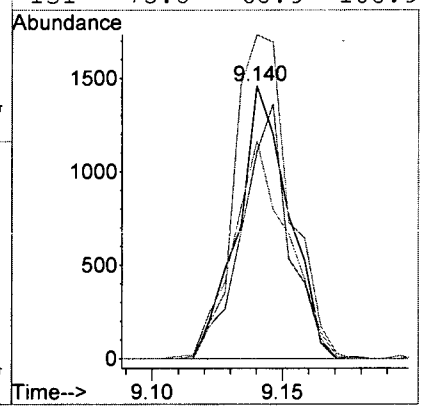




#71
Tetrachloroethene
Concen: 0.97 ug/L
RT: 9.140 min Scan# 1321
Delta R.T. -0.006 min
Lab File: F6100.D
Acq: 18 Feb 2016 7:13 pm

Tgt Ion:164 Resp: 1980

Ion	Ratio	Lower	Upper
164	100		
166	118.7	100.5	140.5
129	79.9	68.0	108.0
131	75.8	68.9	108.9



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6101.D
Acq On : 18 Feb 2016 7:37 pm
Operator : F. Naegler
Sample : R1601321-019|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 19 12:41:42 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.659	168	270326	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	392805	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	340985	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	182464	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.507	113	118314	48.98	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 97.96%			
46) surr1,1,2-dichloroetha...	6.025	65	155742	53.46	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.92%			
64) SURR3,Toluene-d8	8.488	98	460269	48.63	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.26%			
69) SURR2,BFB	11.018	95	182721	49.41	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.82%			
Target Compounds						Qvalue
15) Acetone	2.416	43	873	0.46	ug/L	# 42

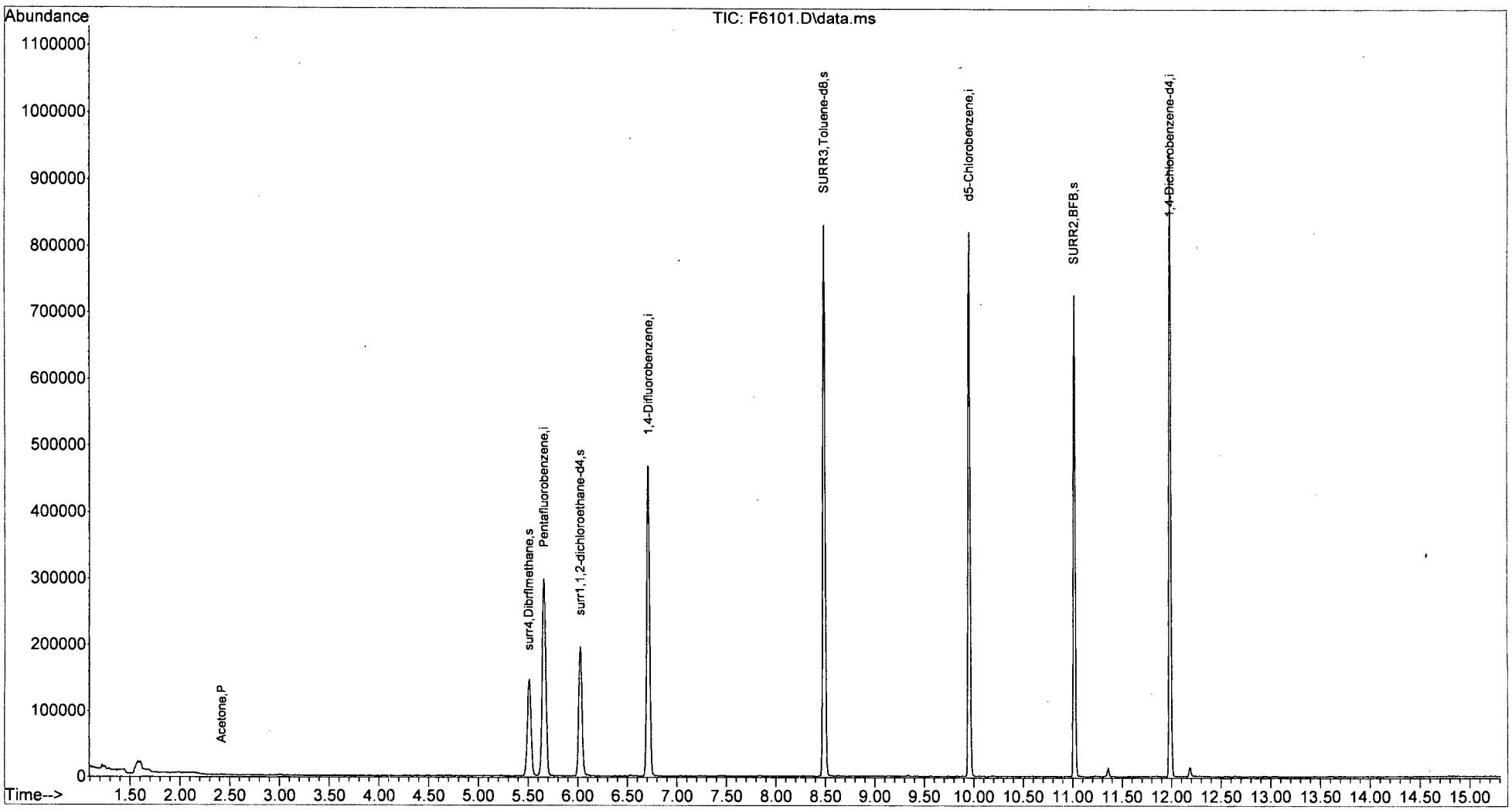
(#) = qualifier out of range (m) = manual integration (+) = signals summed

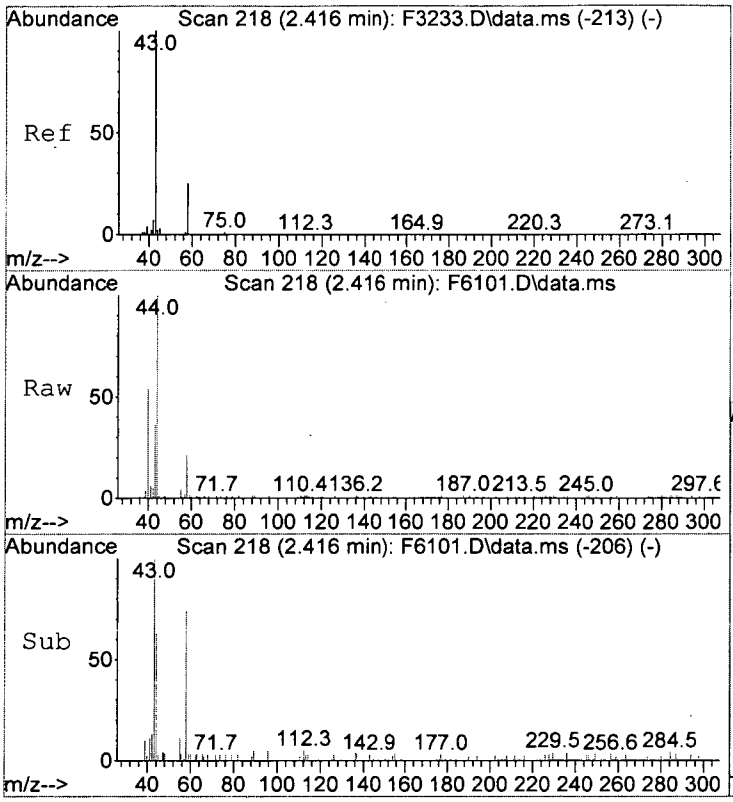
FJ 2/19/16

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6101.D
Acq On : 18 Feb 2016 7:37 pm
Operator : F. Naegler
Sample : R1601321-019|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 19 12:41:42 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

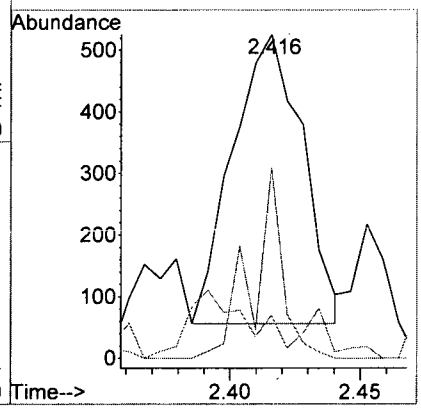




#15
Acetone
Concen: 0.46 ug/L
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: F6101.D
Acq: 18 Feb 2016 7:37 pm

Tgt Ion: 43 Resp: 873

Ion	Ratio	Lower	Upper
43	100		
58	59.0	4.3	44.3#
42	13.1	0.0	27.3



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6102.D
Acq On : 18 Feb 2016 8:01 pm
Operator : F. Naegler
Sample : R1601321-020|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 19 12:44:28 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	281836	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	404849	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	349501	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	187053	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.507	113	118611	47.64	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 95.28%			
46) surr1,1,2-dichloroetha...	6.025	65	160720	53.53	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.06%			
64) SURR3,Toluene-d8	8.488	98	470172	48.20	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 96.40%			
69) SURR2,BFB	11.018	95	182133	47.78	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 95.56%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.373	62	2214	0.55	ug/L	65
15) Acetone	2.416	43	1580m	0.80	ug/L	
33) cis-1,2-Dichloroethene	4.617	96	1888m	0.68	ug/L	

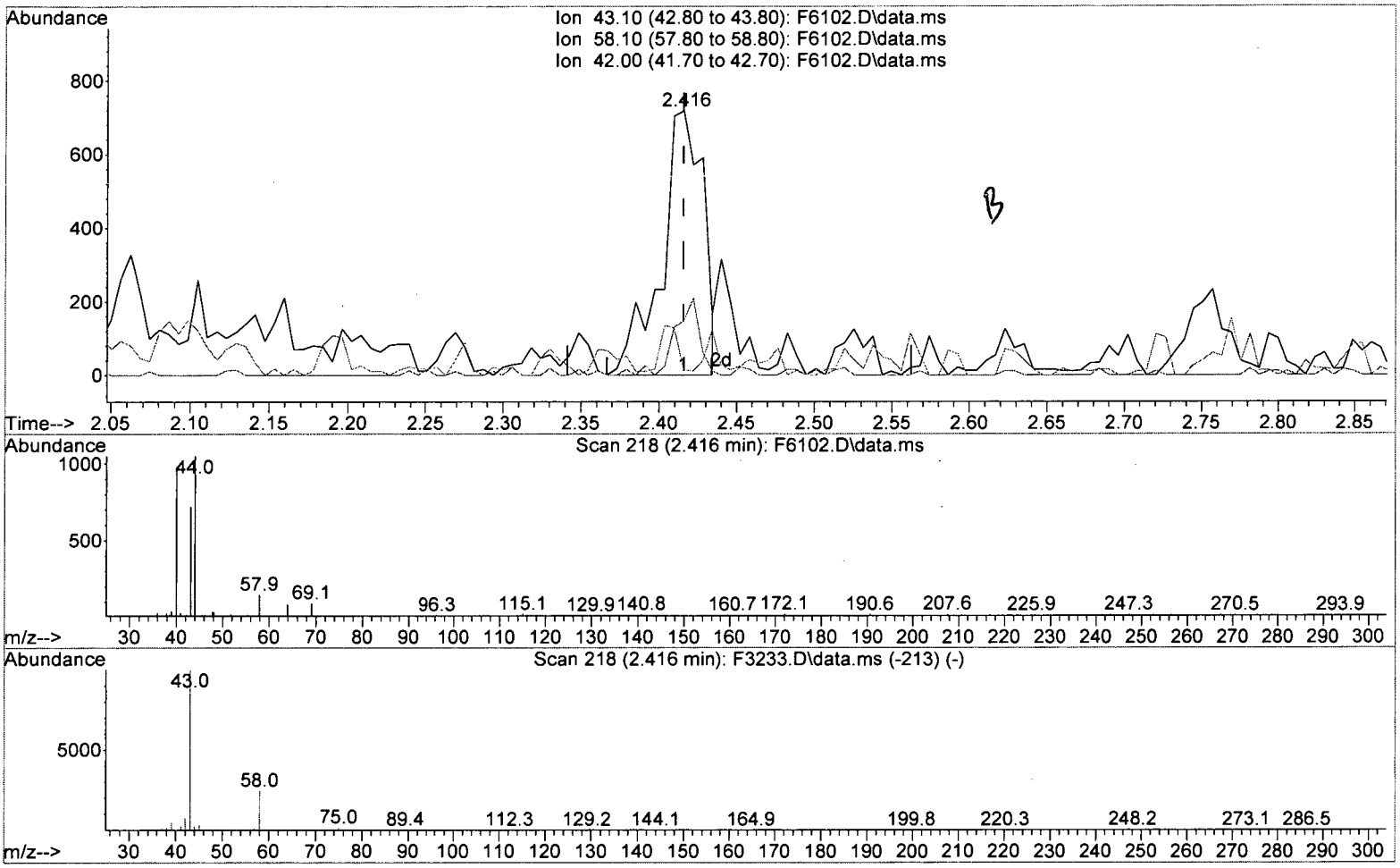
(#) = qualifier out of range (m) = manual integration (+) = signals summed

FV 2/19/16

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6102.D
Acq On : 18 Feb 2016 8:01 pm
Operator : F. Naegler
Sample : R1601321-020|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 18 20:15:54 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6102.D\data.ms

(15) Acetone (P)

2.416min (+0.000) 0.68 ug/L

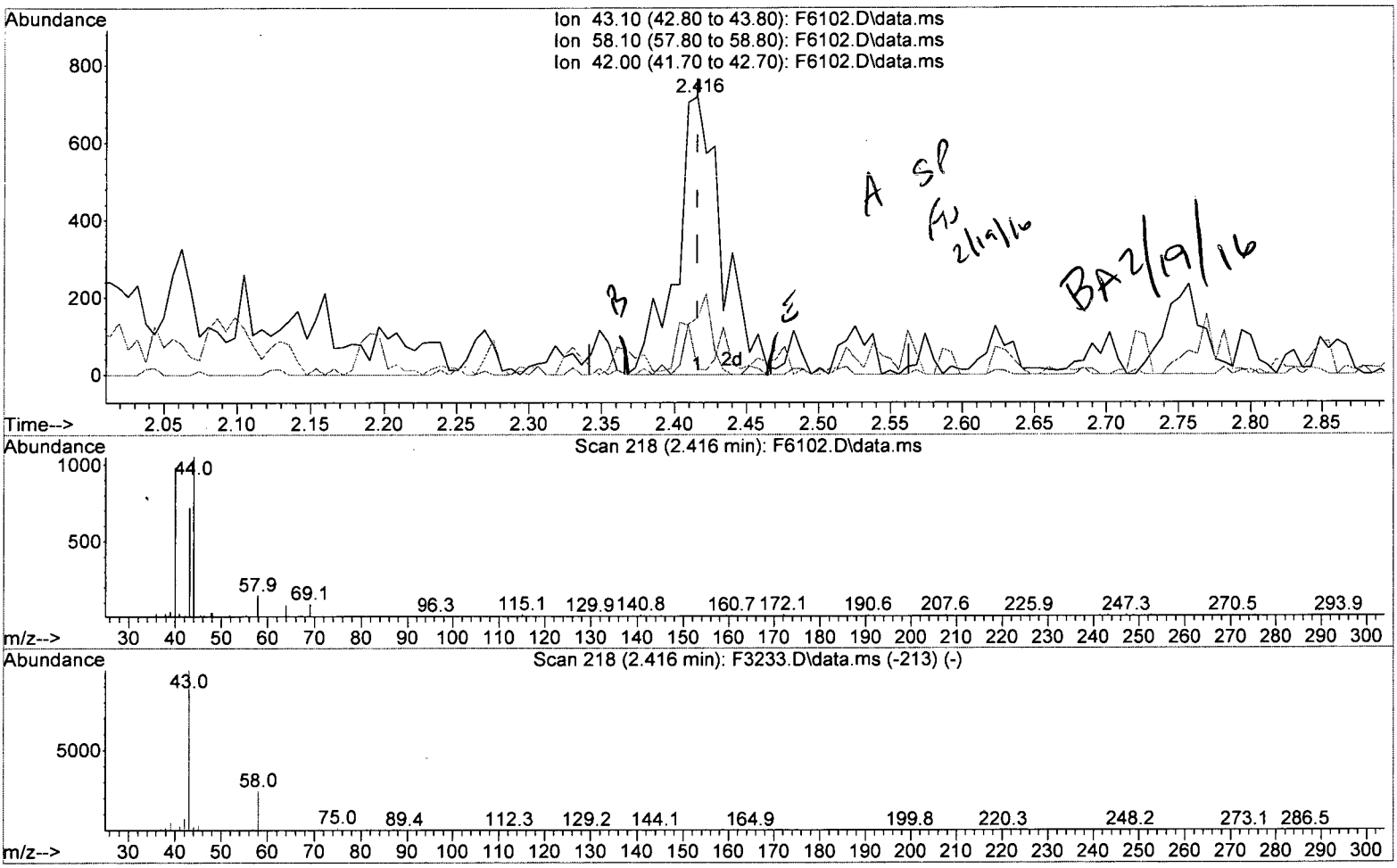
response 1328

Ion	Exp%	Act%
43.10	100	100
58.10	24.30	20.33
42.00	7.30	2.09
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6102.D
Acq On : 18 Feb 2016 8:01 pm
Operator : F. Naegler
Sample : R1601321-020|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 18 20:15:54 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6102.D\data.ms

(15) Acetone (P)

2.416min (+0.000) 0.80 ug/L m

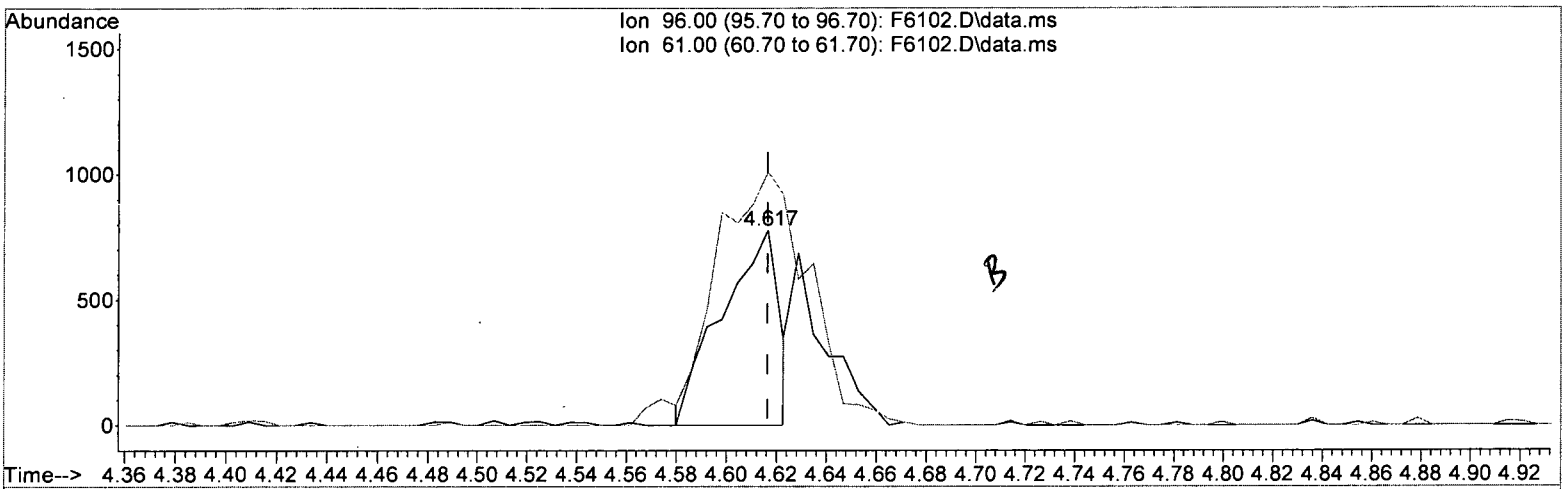
response 1580

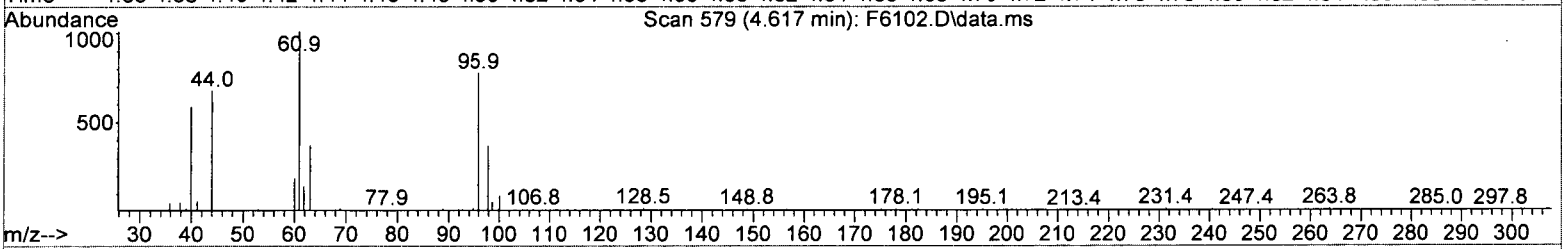
Ion	Exp%	Act%
43.10	100	100
58.10	24.30	20.33
42.00	7.30	2.09
0.00	0.00	0.00

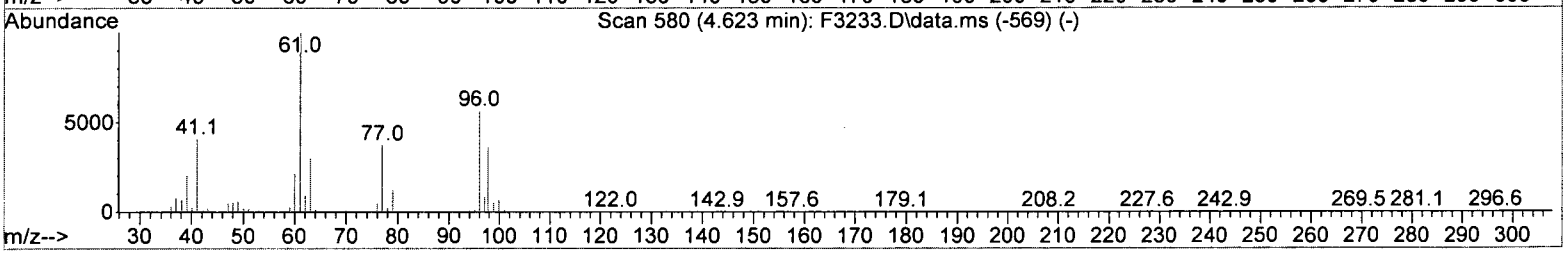
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6102.D
Acq On : 18 Feb 2016 8:01 pm
Operator : F. Naegler
Sample : R1601321-020|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 18 20:15:54 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration







TIC: F6102.D\data.ms

(33) cis-1,2-Dichloroethene (P)

4.617min (+0.000) 0.44 ug/L

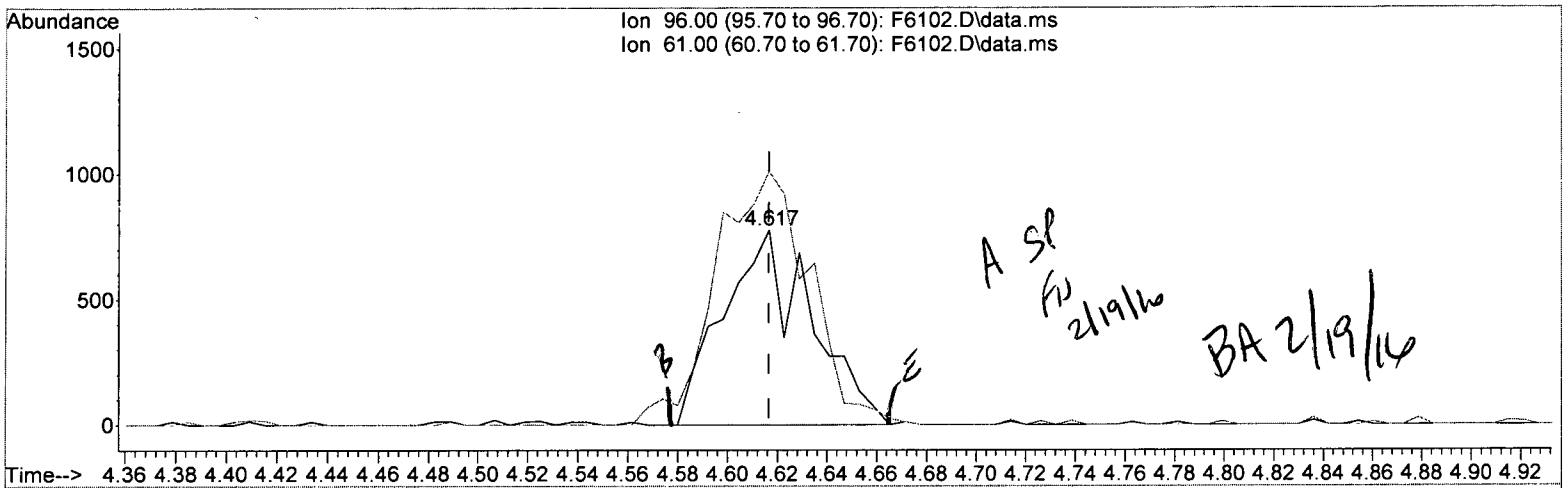
response 1230

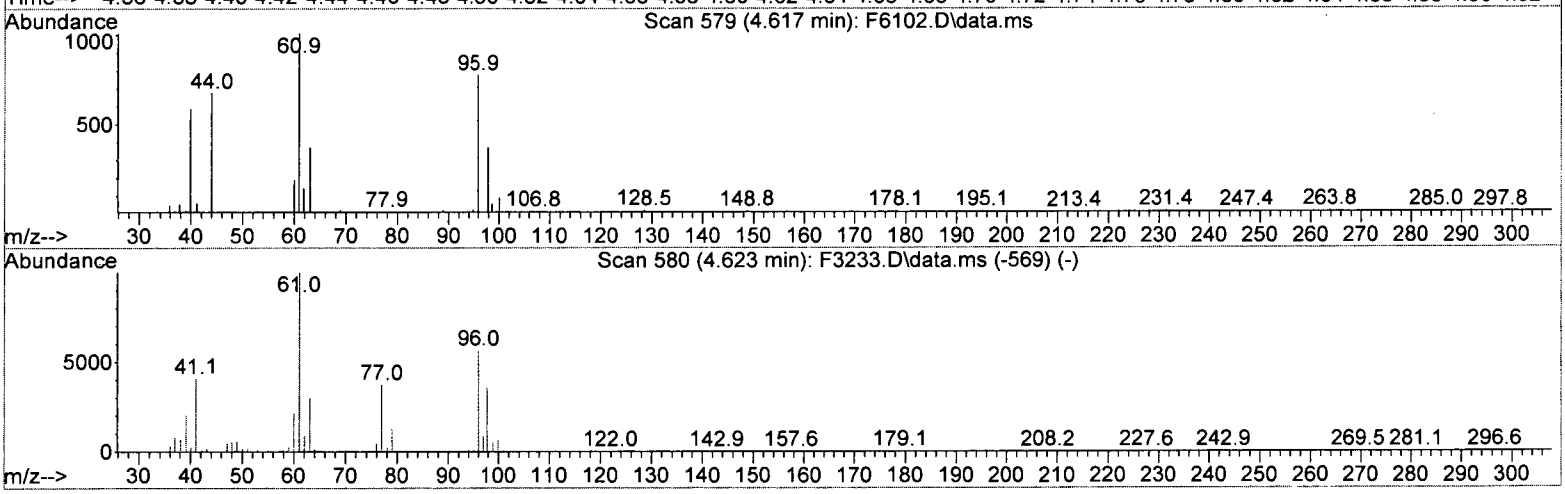
Ion	Exp%	Act%
96.00	100	100
61.00	177.00	128.37#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6102.D
Acq On : 18 Feb 2016 8:01 pm
Operator : F. Naegler
Sample : R1601321-020|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 18 20:15:54 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration





TIC: F6102.D\data.ms

(33) cis-1,2-Dichloroethene (P)

4.617min (+0.000) 0.68 ug/L m

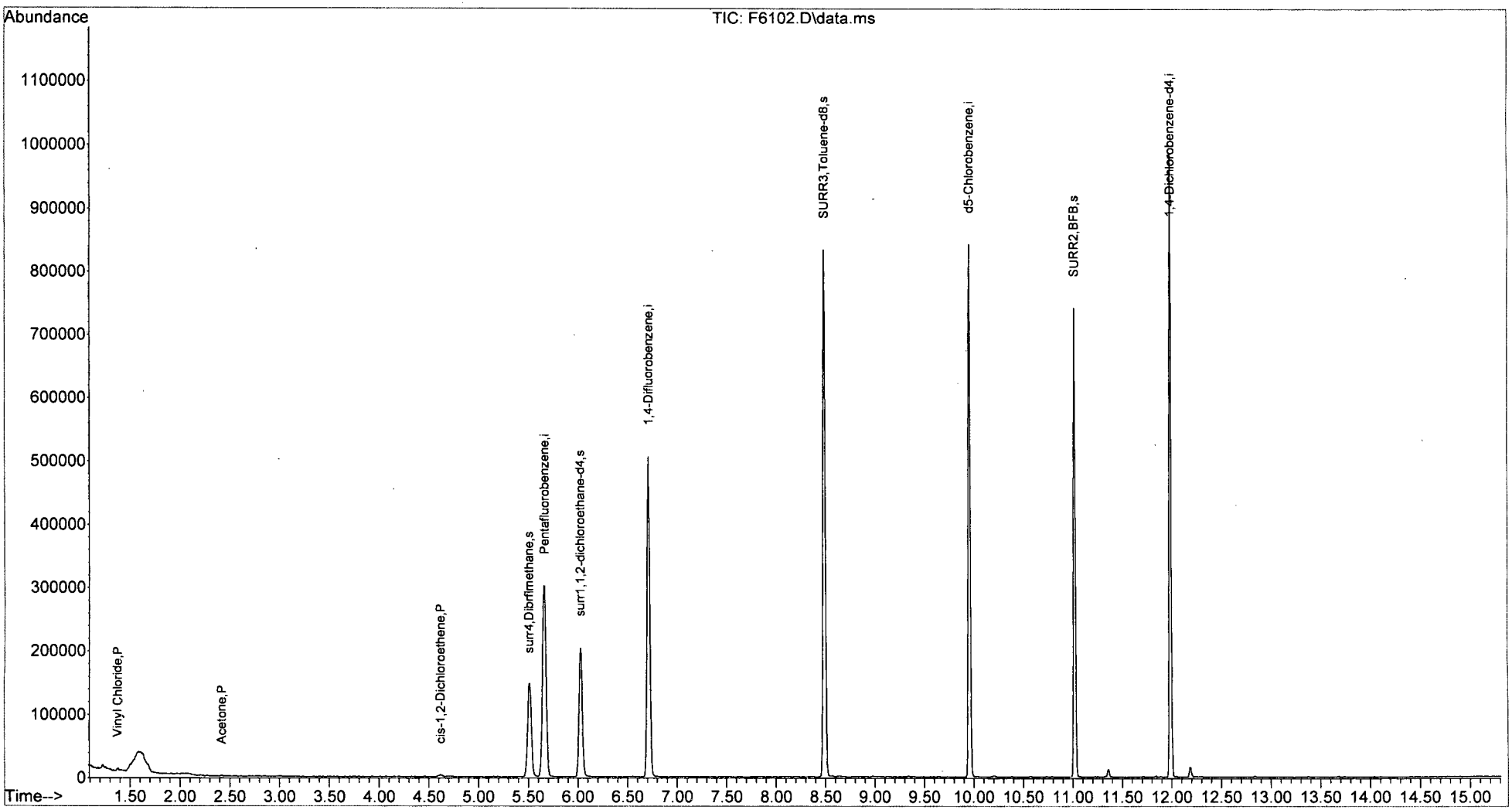
response 1888

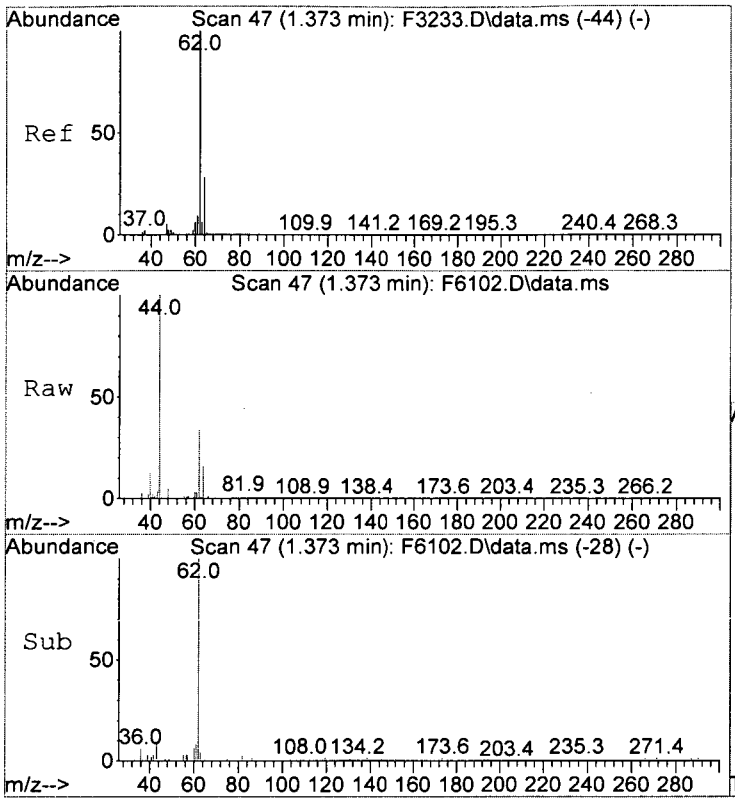
Ion	Exp%	Act%
96.00	100	100
61.00	177.00	130.03#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6102.D
Acq On : 18 Feb 2016 8:01 pm
Operator : F. Naegler
Sample : R1601321-020|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 19 12:44:28 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

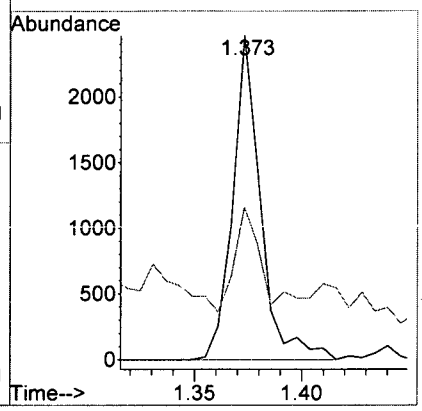


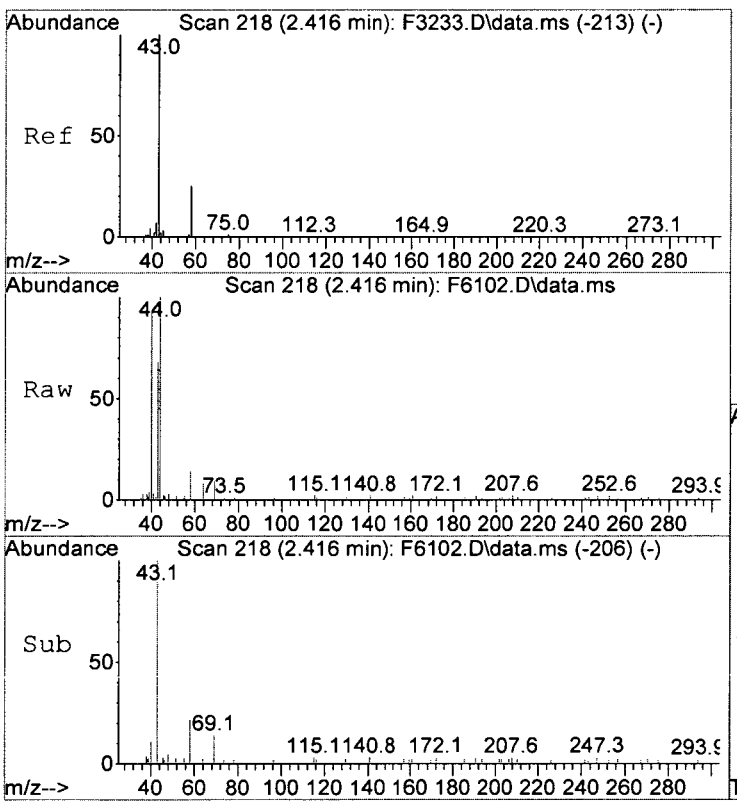


#4
Vinyl Chloride
Concen: 0.55 ug/L
RT: 1.373 min Scan# 47
Delta R.T. 0.000 min
Lab File: F6102.D
Acq: 18 Feb 2016 8:01 pm

Tgt Ion: 62 Resp: 2214

Ion	Ratio	Lower	Upper
62	100		
64	47.0	8.4	48.4

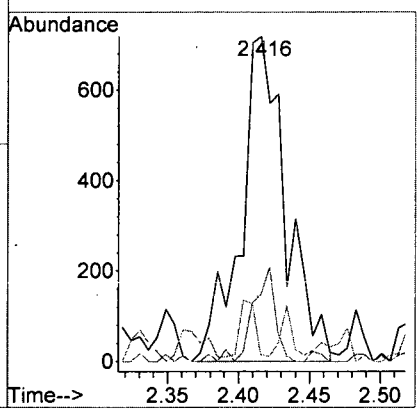


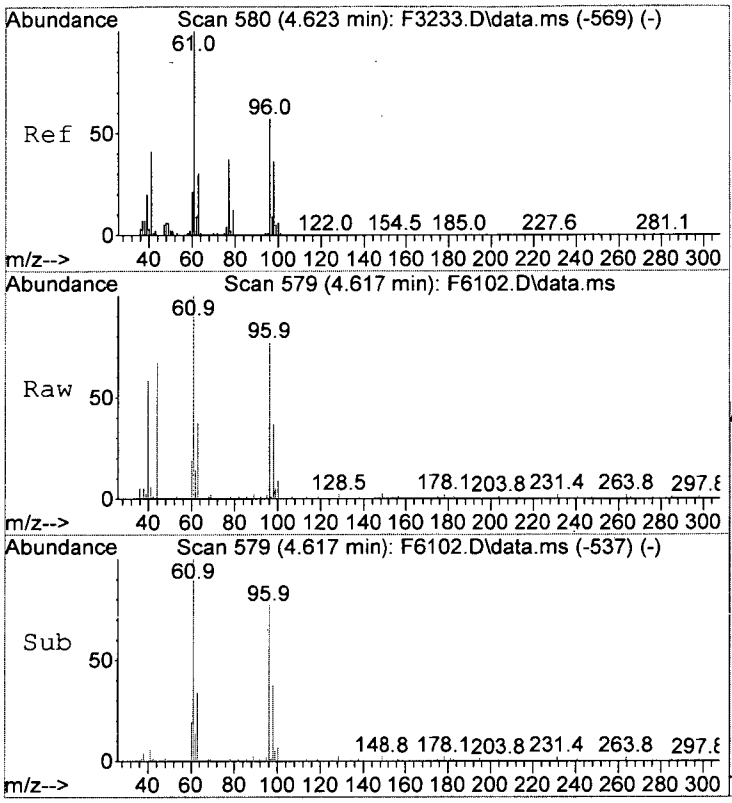


#15
Acetone
Concen: 0.80 ug/L m
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: F6102.D
Acq: 18 Feb 2016 8:01 pm

Tgt Ion: 43 Resp: 1580

Ion	Ratio	Lower	Upper
43	100		
58	20.3	4.3	44.3
42	2.1	0.0	27.3

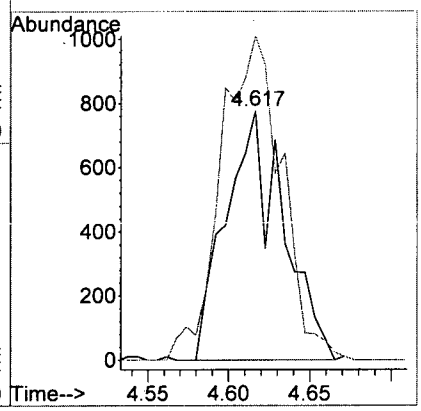




#33
cis-1,2-Dichloroethene
Concen: 0.68 ug/L m
RT: 4.617 min Scan# 579
Delta R.T. 0.000 min
Lab File: F6102.D
Acq: 18 Feb 2016 8:01 pm

Tgt Ion: 96 Resp: 1888

Ion	Ratio	Lower	Upper
96	100		
61	130.0	157.0	197.0#



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6103.D
Acq On : 18 Feb 2016 8:25 pm
Operator : F. Naegler
Sample : R1601321-021|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 19 12:45:35 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	271740	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	388944	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	338663	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	177690	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	116805	48.83	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 97.66%			
46) surr1,1,2-dichloroetha...	6.025	65	155624	53.95	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.90%			
64) SURR3,Toluene-d8	8.488	98	464306	49.54	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.08%			
69) SURR2,BFB	11.018	95	178432	48.73	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 97.46%			
Target Compounds						Qvalue
15) Acetone	2.410	43	1205	0.64	ug/L	88

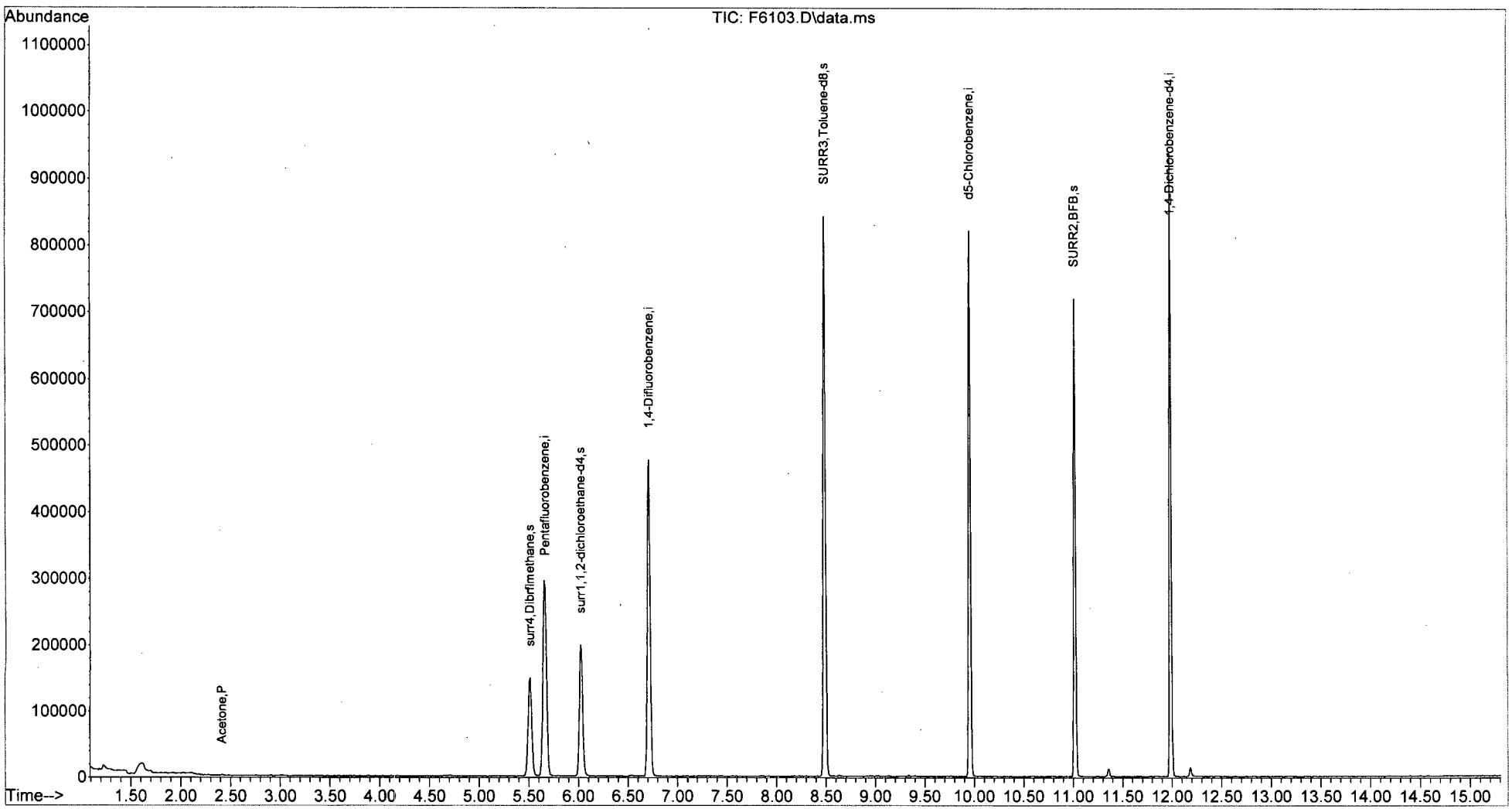
(#) = qualifier out of range (m) = manual integration (+) = signals summed

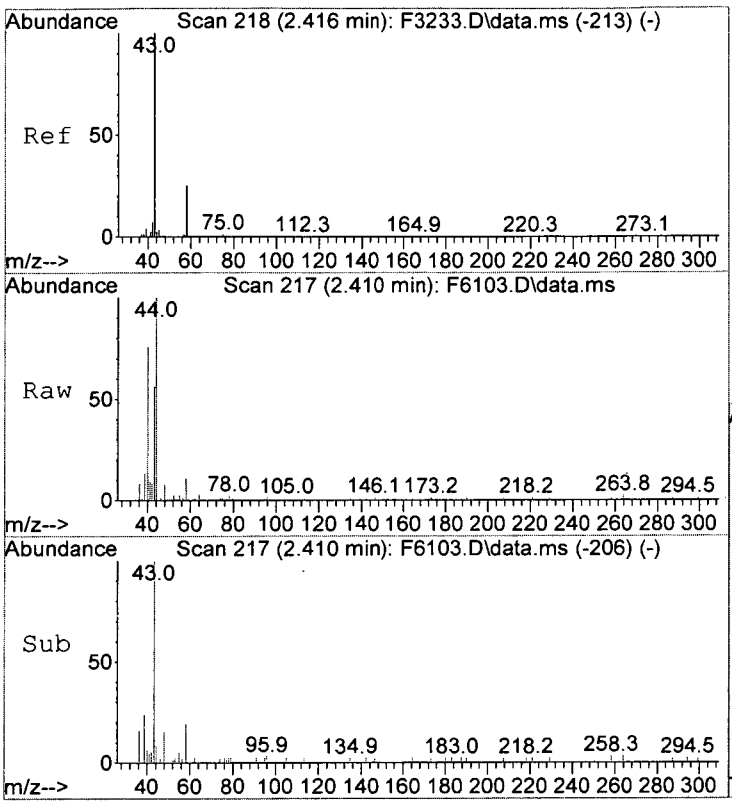
FU
2/19/16

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6103.D
Acq On : 18 Feb 2016 8:25 pm
Operator : F. Naegler
Sample : R1601321-021|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 19 12:45:35 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

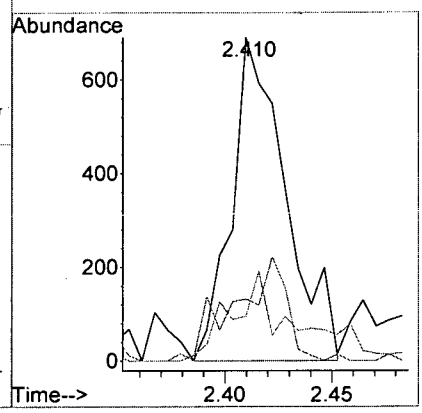




#15
Acetone
Concen: 0.64 ug/L
RT: 2.410 min Scan# 217
Delta R.T. -0.006 min
Lab File: F6103.D
Acq: 18 Feb 2016 8:25 pm

Tgt Ion: 43 Resp: 1205

Ion	Ratio	Lower	Upper
43	100		
58	19.1	4.3	44.3
42	13.8	0.0	27.3



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6104.D
Acq On : 18 Feb 2016 8:49 pm
Operator : F. Naegler
Sample : R1601321-022|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 19 12:55:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	261098	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	372465	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	326482	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	172642	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	111042	48.48	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 96.96%			
46) surr1,1,2-dichloroetha...	6.025	65	146614	53.08	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.16%			
64) SURR3,Toluene-d8	8.488	98	437229	48.72	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.44%			
69) SURR2,BFB	11.018	95	169076	48.21	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 96.42%			
Target Compounds						Qvalue
15) Acetone	2.416	43	777	0.43	ug/L	73

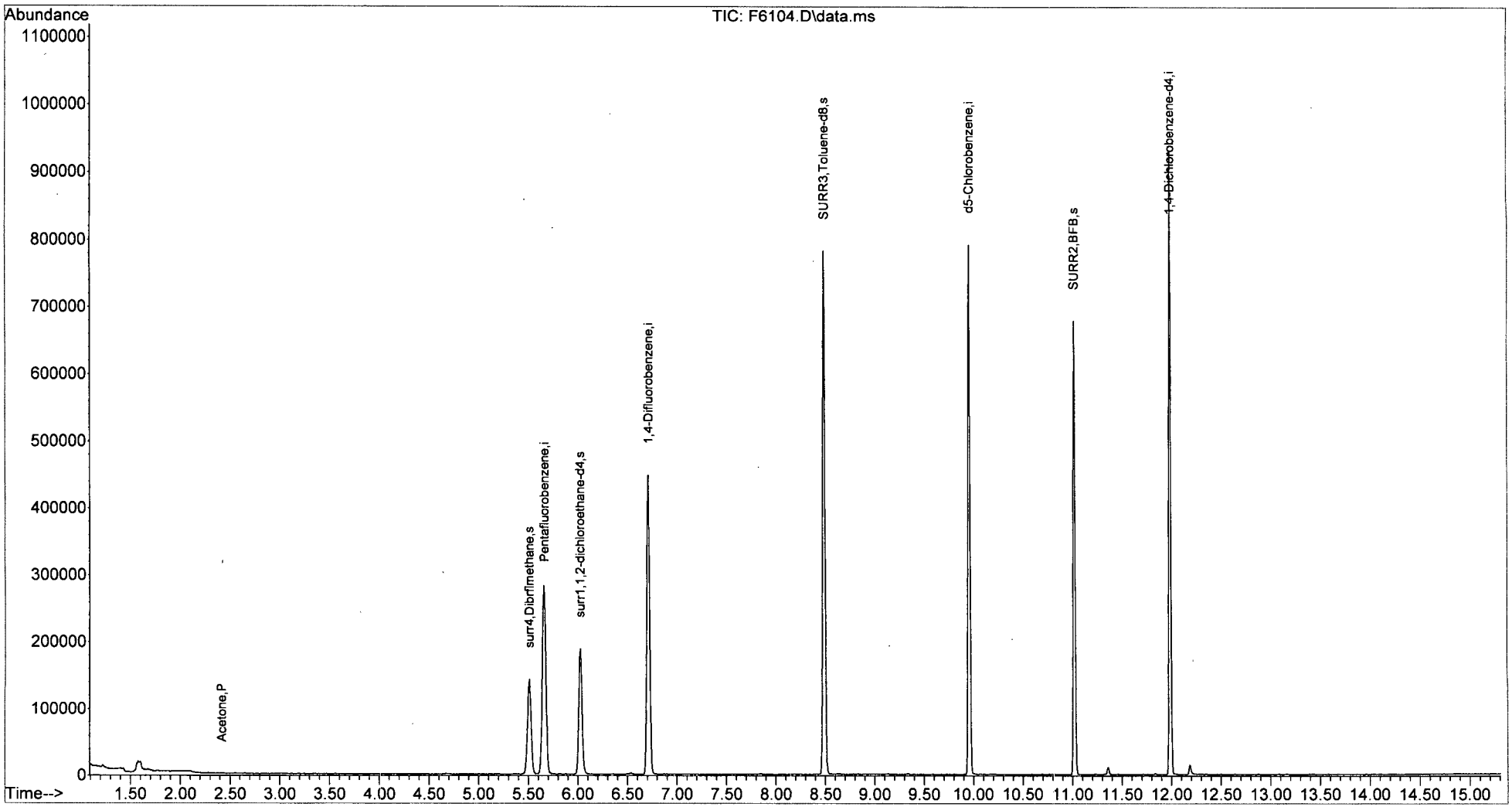
(#) = qualifier out of range (m) = manual integration (+) = signals summed

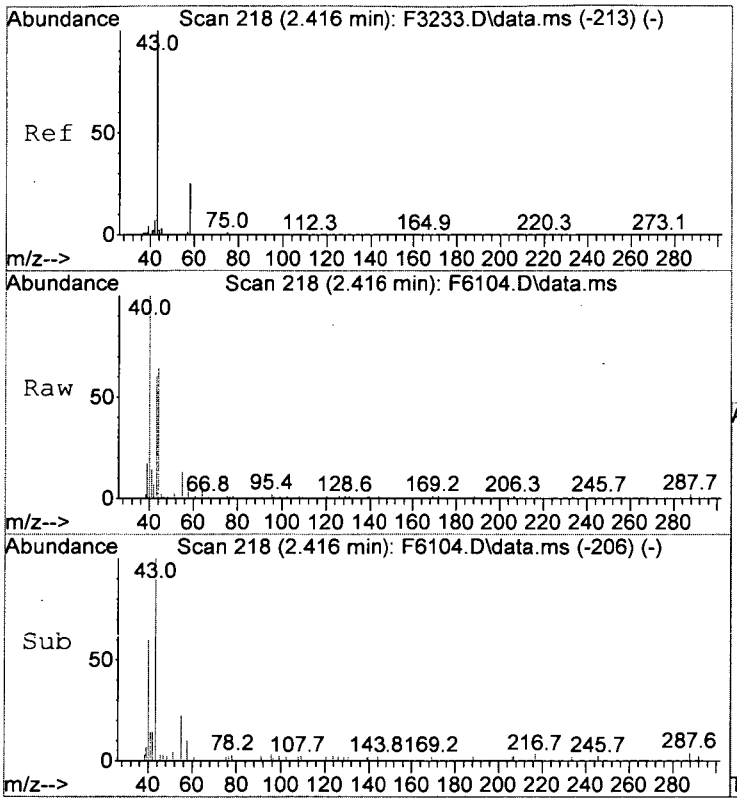
FV 2/19/16

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6104.D
Acq On : 18 Feb 2016 8:49 pm
Operator : F. Naegler
Sample : R1601321-022|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 19 12:55:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

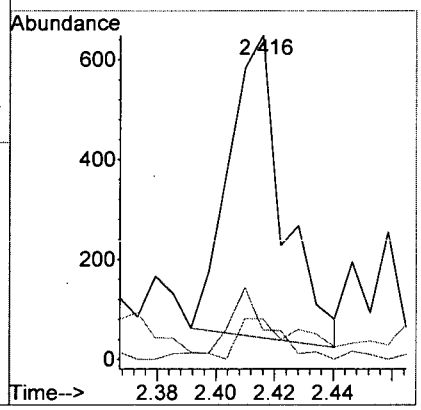




#15
Acetone
Concen: 0.43 ug/L
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: F6104.D
Acq: 18 Feb 2016 8:49 pm

Tgt Ion: 43 Resp: 777

Ion	Ratio	Lower	Upper
43	100		
58	9.1	4.3	44.3
42	12.3	0.0	27.3



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6105.D
Acq On : 18 Feb 2016 9:13 pm
Operator : F. Naegler
Sample : R1601321-023|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 19 12:56:49 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.659	168	276725	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	391362	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	346474	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	182976	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.507	113	119613	49.70	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 99.40%			
46) surr1,1,2-dichloroetha...	6.025	65	157520	54.27	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 108.54%			
64) SURR3,Toluene-d8	8.488	98	478608	50.75	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.50%			
69) SURR2,BFB	11.018	95	187867	50.98	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 101.96%			
Target Compounds						Qvalue
15) Acetone	2.422	43	1248	0.65	ug/L	69

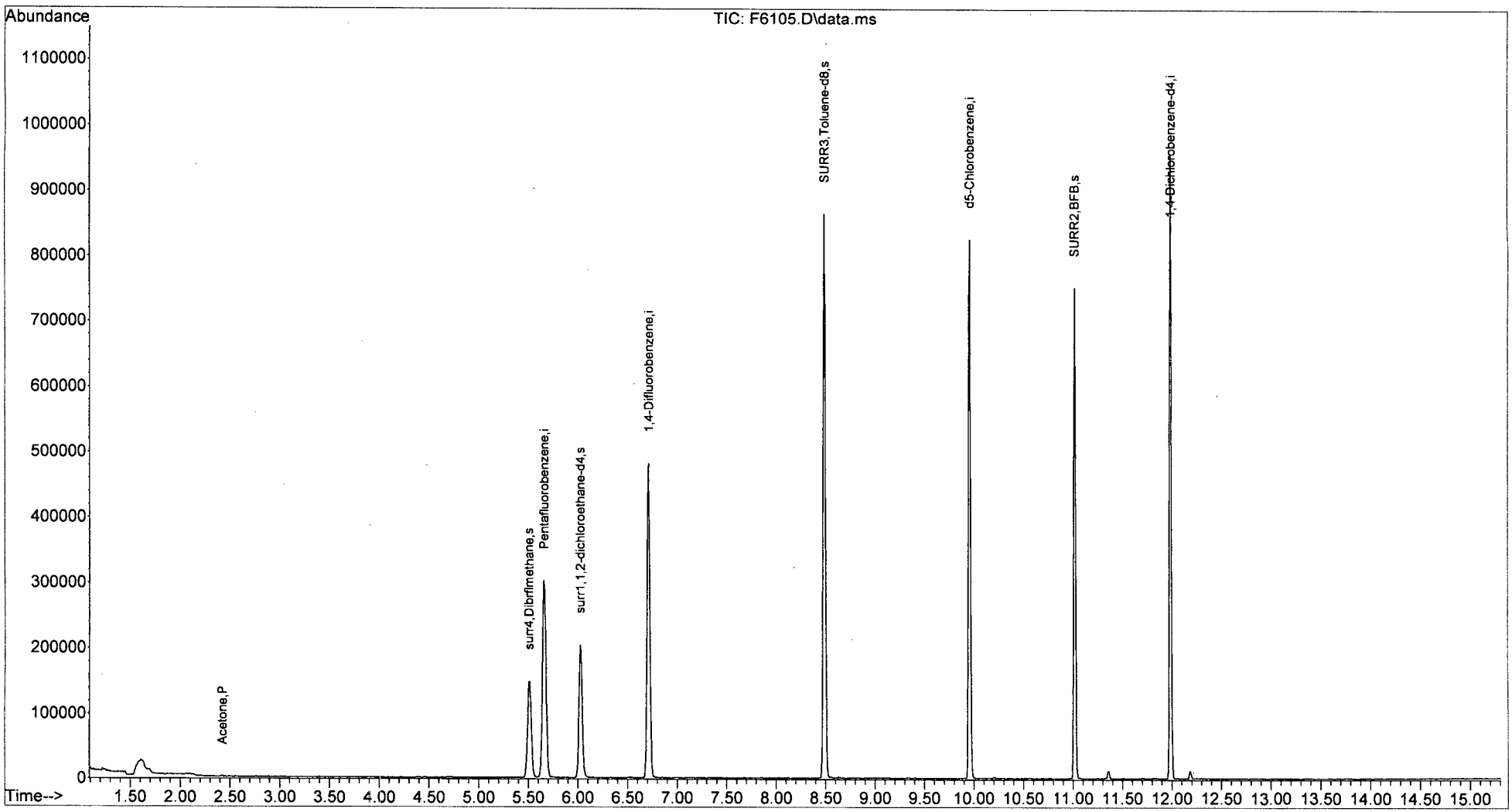
(#) = qualifier out of range (m) = manual integration (+) = signals summed

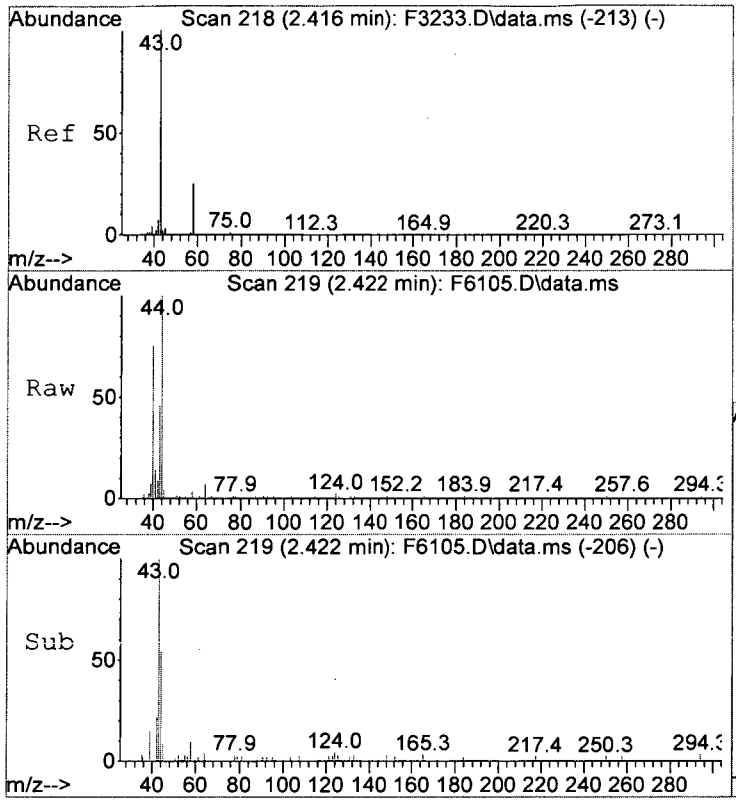
FN
2/19/16

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6105.D
Acq On : 18 Feb 2016 9:13 pm
Operator : F. Naegler
Sample : R1601321-023|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 19 12:56:49 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

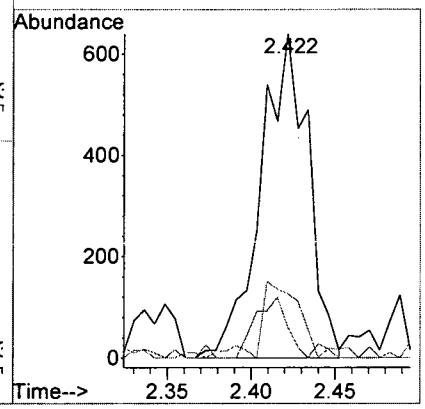




#15
Acetone
Concen: 0.65 ug/L
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: F6105.D
Acq: 18 Feb 2016 9:13 pm

Tgt Ion: 43 Resp: 1248

Ion	Ratio	Lower	Upper
43	100		
58	9.7	4.3	44.3
42	19.9	0.0	27.3



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6106.D
Acq On : 18 Feb 2016 9:37 pm
Operator : F. Naegler
Sample : R1601321-024|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 19 12:58:50 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	272818	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	384357	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	339192	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	180877	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	118303	50.05	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 100.10%			
46) surr1,1,2-dichloroetha...	6.025	65	158508	55.61	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 111.22%			
64) SURR3,Toluene-d8	8.488	98	469307	50.67	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.34%			
69) SURR2,BFB	11.018	95	180709	49.94	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.88%			
Target Compounds						Qvalue
15) Acetone	2.410	43	1302	0.68	ug/L	62

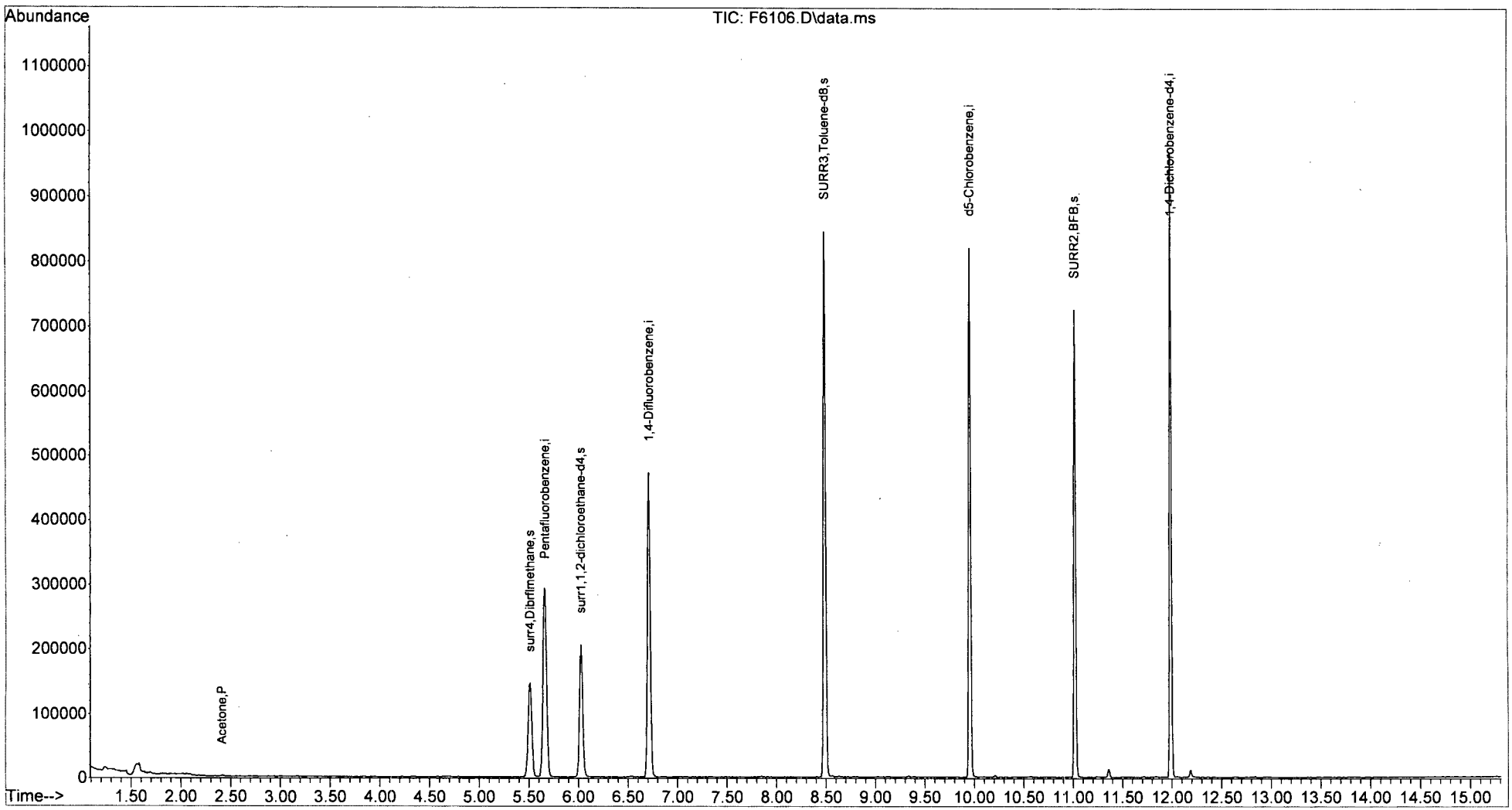
(#) = qualifier out of range (m) = manual integration (+) = signals summed

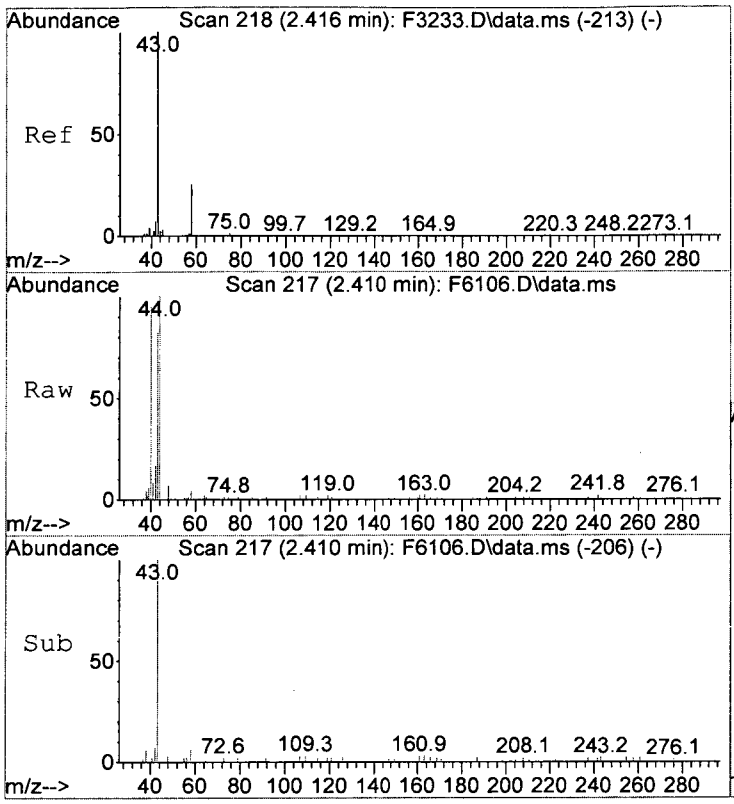
FN
2/19/16

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6106.D
Acq On : 18 Feb 2016 9:37 pm
Operator : F. Naegler
Sample : R1601321-024|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 19 12:58:50 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

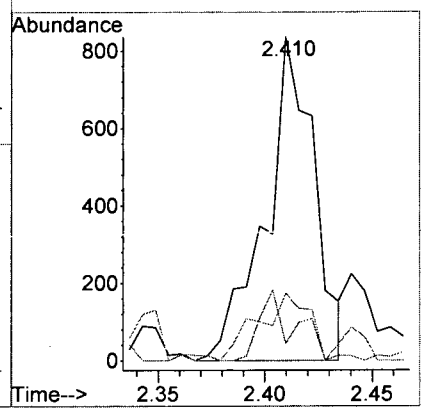




#15
Acetone
Concen: 0.68 ug/L
RT: 2.410 min Scan# 217
Delta R.T. -0.006 min
Lab File: F6106.D
Acq: 18 Feb 2016 9:37 pm

Tgt Ion: 43 Resp: 1302

Ion	Ratio	Lower	Upper
43	100		
58	5.3	4.3	44.3
42	20.7	0.0	27.3



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6107.D
Acq On : 18 Feb 2016 10:01 pm
Operator : F. Naegler
Sample : R1601321-025|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 19 13:00:08 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.659	168	260694	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	368318	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	327283	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	172974	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	113238	49.99	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 99.98%			
46) surr1,1,2-dichloroetha...	6.025	65	150026	54.92	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 109.84%			
64) SURR3,Toluene-d8	8.488	98	453912	51.15	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 102.30%			
69) SURR2,BFB	11.018	95	171688	49.51	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.02%			
Target Compounds						Qvalue
15) Acetone	2.416	43	1293	0.71	ug/L	90

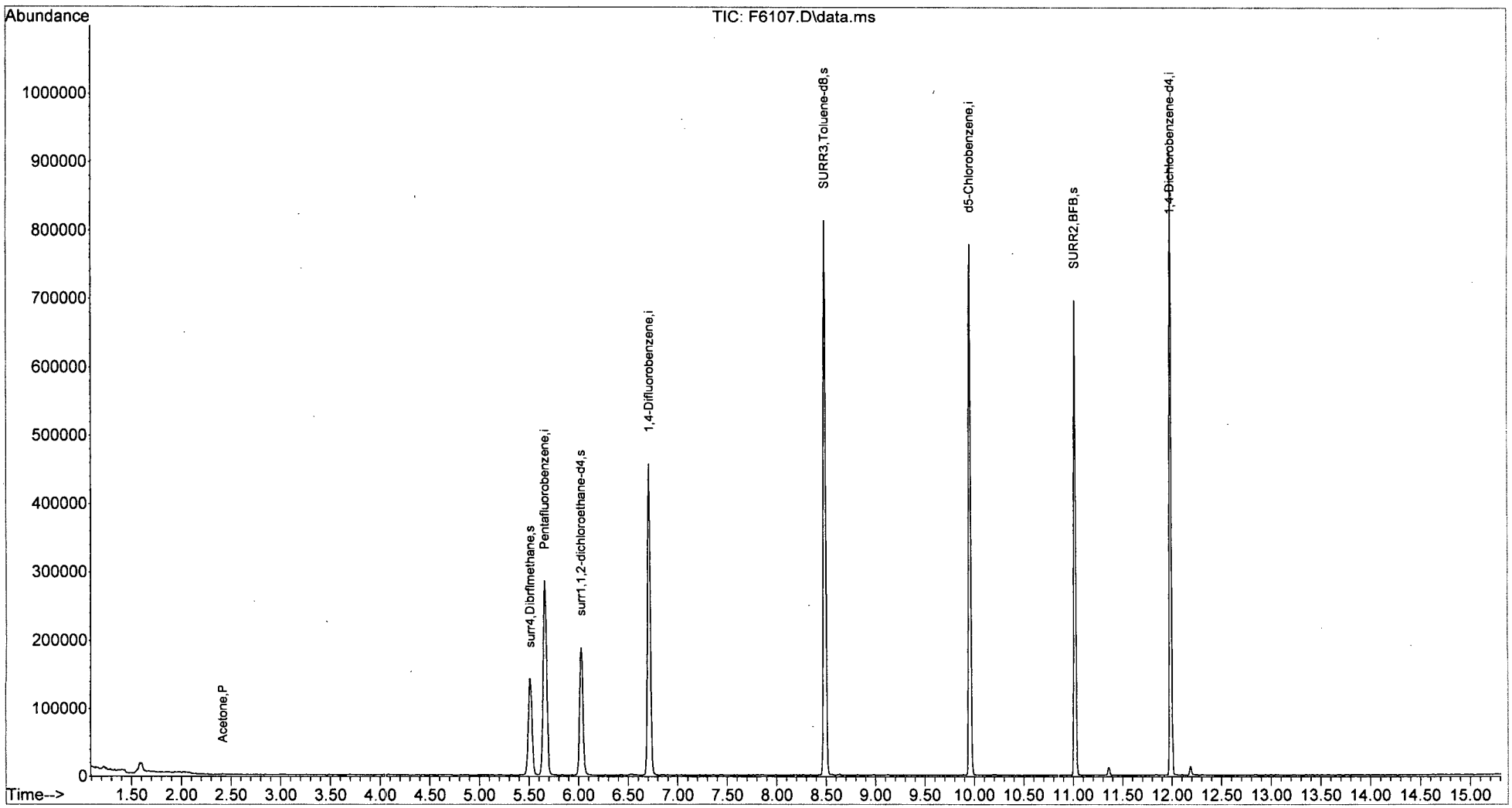
(#) = qualifier out of range (m) = manual integration (+) = signals summed

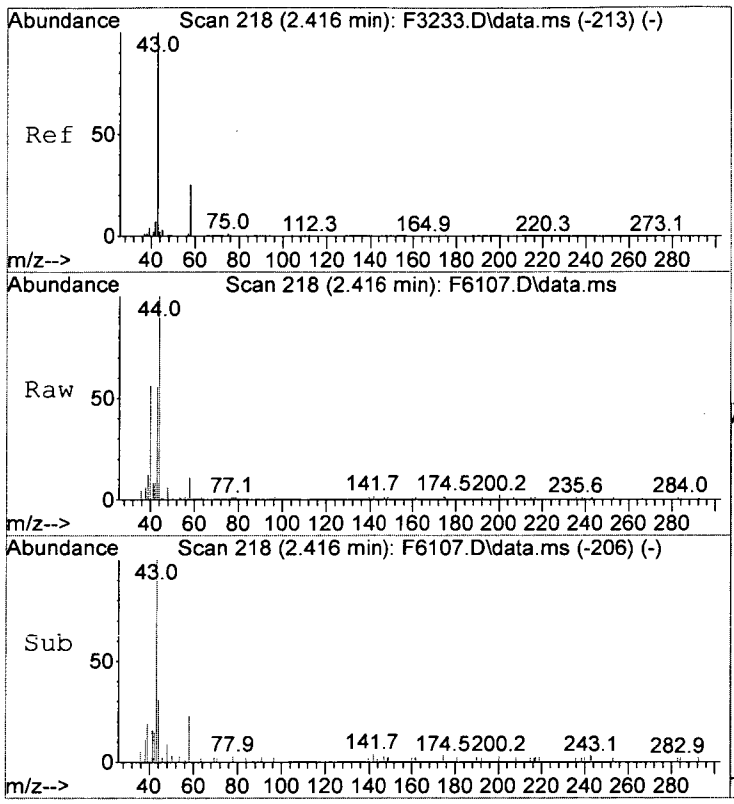
FIJ 2/19/16

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6107.D
Acq On : 18 Feb 2016 10:01 pm
Operator : F. Naegler
Sample : R1601321-025|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 19 13:00:08 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

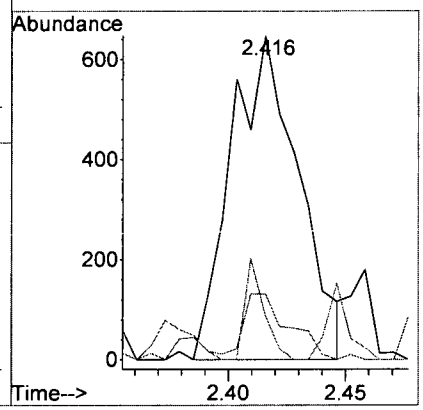




#15
Acetone
Concen: 0.71 ug/L
RT: 2.416 min Scan# 218
Delta R.T. -0.000 min
Lab File: F6107.D
Acq: 18 Feb 2016 10:01 pm

Tgt Ion: 43 Resp: 1293

Ion	Ratio	Lower	Upper
43	100		
58	20.4	4.3	44.3
42	13.6	0.0	27.3



Initial Calibration - Summary Report

Calibration ID:	RC1600010	2/3/16	**Instrument ID:** R-MS-10
			Column Name: 1

Analyte	Type	Curve Fit	Weighting	Min RF	Mean RF	Criteria	Result
1,1,1,2-Tetrachloroethane	T	Average RF			0.3718	<=15	3.9
1,1,1,2-Tetrachloroethane	T	Average RF			0.3718	<=20	3.9
1,1,1-Trichloroethane (TCA)	T	Average RF		0.100	0.6212	<=15	8.5
1,1,1-Trichloroethane (TCA)	T	Average RF		0.100	0.6212	<=20	8.5
1,1,2,2-Tetrachloroethane	T	Average RF		0.300	0.9743	<=15	12.3
1,1,2,2-Tetrachloroethane	T	Average RF		0.300	0.9743	<=20	12.3
1,1,2-Trichloroethane	T	Average RF		0.100	0.3145	<=15	3.8
1,1,2-Trichloroethane	T	Average RF		0.100	0.3145	<=20	3.8
1,1,2-Trichlorotrifluoroethane	T	Average RF		0.100	0.3688	<=15	11.8
1,1,2-Trichlorotrifluoroethane	T	Average RF		0.100	0.3688	<=20	11.8
1,1-Dichloroethane (1,1-DCA)	T	Average RF		0.200	0.8413	<=15	3.5
1,1-Dichloroethane (1,1-DCA)	T	Average RF		0.200	0.8413	<=20	3.5
1,1-Dichloroethene (1,1-DCE)	T	Average RF		0.100	0.3961	<=15	13.3
1,1-Dichloroethene (1,1-DCE)	T	Average RF		0.100	0.3961	<=20	13.3
1,1-Dichloropropene	T	Average RF			0.3838	<=15	4.2
1,1-Dichloropropene	T	Average RF			0.3838	<=20	4.2
1,2,3-Trichlorobenzene	T	Average RF			1.178	<=15	11.3
1,2,3-Trichlorobenzene	T	Average RF			1.178	<=20	11.3
1,2,3-Trichloropropane	T	Average RF			0.3173	<=15	8.6
1,2,3-Trichloropropane	T	Average RF			0.3173	<=20	8.6
1,2,4-Trichlorobenzene	T	Average RF		0.200	1.141	<=15	9.1
1,2,4-Trichlorobenzene	T	Average RF		0.200	1.141	<=20	9.1
1,2,4-Trimethylbenzene	T	Average RF			2.708	<=15	4.2
1,2,4-Trimethylbenzene	T	Average RF			2.708	<=20	4.2
1,2-Dibromo-3-chloropropane (DBCP)	T	Average RF		0.050	0.2601	<=15	9.6
1,2-Dibromo-3-chloropropane (DBCP)	T	Average RF		0.050	0.2601	<=20	9.6
1,2-Dibromoethane	T	Average RF		0.100	0.3827	<=15	3.4
1,2-Dibromoethane	T	Average RF		0.100	0.3827	<=20	3.4
1,2-Dichloro-1,1,2-trifluoroethane (CFC 123:	T	Quadratic	1/X2		0.5524	>=0.99	0.9964
1,2-Dichloro-1,1,2-trifluoroethane (CFC 123:	T	Quadratic	1/X2		0.5524	>=0.995	0.9964
1,2-Dichloro-1,1,2-trifluoroethane (CFC 123:	T	Quadratic	1/X2		0.5524	>=0.99	0.9964
1,2-Dichlorobenzene	T	Average RF		0.400	1.565	<=15	4.9
1,2-Dichlorobenzene	T	Average RF		0.400	1.565	<=20	4.9
1,2-Dichloroethane	T	Average RF		0.100	0.4904	<=15	4.7
1,2-Dichloroethane	T	Average RF		0.100	0.4904	<=20	4.7
1,2-Dichloropropane	T	Average RF		0.100	0.3635	<=15	4.0
1,2-Dichloropropane	T	Average RF		0.100	0.3635	<=20	4.0
1,3,5-Trichlorobenzene	T	Average RF			1.201	<=15	4.1
1,3,5-Trichlorobenzene	T	Average RF			1.201	<=20	4.1
1,3,5-Trimethylbenzene	T	Average RF			2.619	<=15	6.2
1,3,5-Trimethylbenzene	T	Average RF			2.619	<=20	6.2
1,3-Dichlorobenzene	T	Average RF		0.600	1.564	<=15	5.5
1,3-Dichlorobenzene	T	Average RF		0.600	1.564	<=20	5.5
1,3-Dichloropropane	T	Average RF			0.6128	<=15	4.2
1,3-Dichloropropane	T	Average RF			0.6128	<=20	4.2
1,4-Dichlorobenzene	T	Average RF		0.500	1.634	<=15	6.8
1,4-Dichlorobenzene	T	Average RF		0.500	1.634	<=20	6.8
1,4-Dioxane	T	Average RF			0.007083	<=15	6.2
1,4-Dioxane	T	Average RF			0.007083	<=20	6.2
1-Butanol	T	Average RF			0.02284	<=15	10.4
1-Butanol	T	Average RF			0.02284	<=20	10.4
1-Chloro-4-(trifluoromethyl)benzene	T	Average RF			0.5374	<=15	7.6

Initial Calibration - Summary Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Column Name:	1

Analyte	Type	Curve Fit	Weighting	Min RF	Mean RF	Criteria	Result
1-Chloro-4-(trifluoromethyl)benzene	T	Average RF			0.5374	<=20	7.6
2,2-Dichloro-1,1,1-trifluoroethane (CFC 123	T	Average RF			0.5624	<=15	9.8
2,2-Dichloro-1,1,1-trifluoroethane (CFC 123	T	Average RF			0.5624	<=20	9.8
2,2-Dichloropropane	T	Average RF			0.6369	<=15	9.0
2,2-Dichloropropane	T	Average RF			0.6369	<=20	9.0
2,3,6-Trichlorotoluene	T	Average RF			0.8045	<=15	4.8
2,3,6-Trichlorotoluene	T	Average RF			0.8045	<=20	4.8
2,4,5-Trichlorotoluene	T	Average RF			0.8865	<=15	6.5
2,4,5-Trichlorotoluene	T	Average RF			0.8865	<=20	6.5
2,4-, 2,5-, and 2,6-Dichlorotoluene Coelution	T	Average RF			1.418	<=15	3.7
2,4-, 2,5-, and 2,6-Dichlorotoluene Coelution	T	Average RF			1.418	<=20	3.7
2,4-Dichlorobenzotrifluoride	T	Average RF			0.7939	<=15	5.9
2,4-Dichlorobenzotrifluoride	T	Average RF			0.7939	<=20	5.9
2,5-Dichlorobenzotrifluoride	T	Average RF			0.8950	<=15	5.5
2,5-Dichlorobenzotrifluoride	T	Average RF			0.8950	<=20	5.5
2-Butanone (MEK)	T	Average RF		0.05	0.5174	<=15	11.1
2-Butanone (MEK)	T	Average RF		0.05	0.5174	<=20	11.1
2-Chloro-1,3-butadiene	T	Average RF			0.9955	<=15	12.5
2-Chloro-1,3-butadiene	T	Average RF			0.9955	<=20	12.5
2-Chlorobenzotrifluoride	T	Average RF			0.5926	<=15	7.4
2-Chlorobenzotrifluoride	T	Average RF			0.5926	<=20	7.4
2-Chloroethyl Vinyl Ether	T	Average RF			0.2349	<=15	7.6
2-Chloroethyl Vinyl Ether	T	Average RF			0.2349	<=20	7.6
2-Chlorotoluene	T	Average RF			2.160	<=15	6.5
2-Chlorotoluene	T	Average RF			2.160	<=20	6.5
2-Hexanone	T	Average RF		0.05	0.5550	<=15	5.1
2-Hexanone	T	Average RF		0.05	0.5550	<=20	5.1
2-Methyl-1-propanol	T	Average RF			0.03987	<=15	7.5
2-Methyl-1-propanol	T	Average RF			0.03987	<=20	7.5
2-Methyl-2-propanol	T	Average RF			0.1057	<=15	8.3
2-Methyl-2-propanol	T	Average RF			0.1057	<=20	8.3
2-Nitropropane	T	Average RF			0.1568	<=15	11.1
2-Nitropropane	T	Average RF			0.1568	<=20	11.1
2-Propanol	T	Average RF			0.07609	<=15	7.2
2-Propanol	T	Average RF			0.07609	<=20	7.2
3,4- and 2,3-Dichlorotoluene Coelution	T	Average RF			1.585	<=15	3.1
3,4- and 2,3-Dichlorotoluene Coelution	T	Average RF			1.585	<=20	3.1
3,4-Dichlorobenzotrifluoride	T	Average RF			0.8774	<=15	7.3
3,4-Dichlorobenzotrifluoride	T	Average RF			0.8774	<=20	7.3
3-Chloro-1-propene	T	Average RF			0.2123	<=15	8.4
3-Chloro-1-propene	T	Average RF			0.2123	<=20	8.4
3-Chlorobenzotrifluoride	T	Average RF			0.5968	<=15	7.8
3-Chlorobenzotrifluoride	T	Average RF			0.5968	<=20	7.8
3-Chlorotoluene	T	Average RF			2.342	<=15	6.9
3-Chlorotoluene	T	Average RF			2.342	<=20	6.9
4-Chlorotoluene	T	Average RF			2.487	<=15	4.6
4-Chlorotoluene	T	Average RF			2.487	<=20	4.6
4-Isopropyltoluene	T	Average RF			2.692	<=15	6.2
4-Isopropyltoluene	T	Average RF			2.692	<=20	6.2
4-Methyl-2-pentanone	T	Average RF		0.05	0.6423	<=15	4.2
4-Methyl-2-pentanone	T	Average RF		0.05	0.6423	<=20	4.2
Acetone	T	Average RF		0.05	0.3484	<=15	7.0

Initial Calibration - Summary Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Column Name:	1

Analyte	Type	Curve Fit	Weighting	Min RF	Mean RF	Criteria	Result
Acetone	T	Average RF		0.05	0.3484	<=20	7.0
Acetonitrile	T	Average RF			0.07821	<=15	11.3
Acetonitrile	T	Average RF			0.07821	<=20	11.3
Acrolein	T	Average RF			0.1444	<=15	4.9
Acrolein	T	Average RF			0.1444	<=20	4.9
Acrylonitrile	T	Average RF			0.3381	<=15	4.1
Acrylonitrile	T	Average RF			0.3381	<=20	4.1
Benzene	T	Average RF		0.500	1.243	<=15	3.1
Benzene	T	Average RF		0.500	1.243	<=20	3.1
Bromobenzene	T	Average RF			0.8227	<=15	5.5
Bromobenzene	T	Average RF			0.8227	<=20	5.5
Bromochloromethane	T	Average RF			0.3202	<=15	3.8
Bromochloromethane	T	Average RF			0.3202	<=20	3.8
Bromodichloromethane	T	Average RF		0.200	0.4133	<=15	6.2
Bromodichloromethane	T	Average RF		0.200	0.4133	<=20	6.2
Bromoform	T	Average RF		0.100	0.2870	<=15	8.9
Bromoform	T	Average RF		0.100	0.2870	<=20	8.9
Bromomethane	T	Quadratic	1/X	0.100	0.3607	>=0.99	0.9975
Bromomethane	T	Quadratic	1/X	0.100	0.3607	>=0.995	0.9975
Bromomethane	T	Quadratic	1/X	0.100	0.3607	>=0.99	0.9975
Carbon Disulfide	T	Average RF		0.100	1.173	<=15	7.2
Carbon Disulfide	T	Average RF		0.100	1.173	<=20	7.2
Carbon Tetrachloride	T	Average RF		0.05	0.1140	<=15	8.2
Carbon Tetrachloride	T	Average RF		0.05	0.1140	<=20	8.2
Chlorobenzene	T	Average RF		0.500	1.025	<=15	4.4
Chlorobenzene	T	Average RF		0.500	1.025	<=20	4.4
Chloroethane	T	Average RF		0.100	0.3824	<=15	7.3
Chloroethane	T	Average RF		0.100	0.3824	<=20	7.3
Chloroform	T	Average RF		0.200	0.7794	<=15	8.7
Chloroform	T	Average RF		0.200	0.7794	<=20	8.7
Chloromethane	T	Average RF		0.100	0.8960	<=15	4.9
Chloromethane	T	Average RF		0.100	0.8960	<=20	4.9
Cyclohexane	T	Average RF		0.100	0.3943	<=15	11.6
Cyclohexane	T	Average RF		0.100	0.3943	<=20	11.6
Cyclohexanone	T	Average RF			0.1059	<=15	5.7
Cyclohexanone	T	Average RF			0.1059	<=20	5.7
Dibromochloromethane	T	Average RF		0.100	0.3896	<=15	6.3
Dibromochloromethane	T	Average RF		0.100	0.3896	<=20	6.3
Dibromomethane	T	Average RF			0.2064	<=15	7.1
Dibromomethane	T	Average RF			0.2064	<=20	7.1
Dichlorodifluoromethane (CFC 12)	T	Average RF		0.100	0.5954	<=15	5.5
Dichlorodifluoromethane (CFC 12)	T	Average RF		0.100	0.5954	<=20	5.5
Dichlorofluoromethane (CFC 21)	T	Average RF			0.8499	<=15	10.0
Dichlorofluoromethane (CFC 21)	T	Average RF			0.8499	<=20	10.0
Dichloromethane	T	Average RF		0.100	0.4948	<=15	13.8
Dichloromethane	T	Average RF		0.100	0.4948	<=20	13.8
Diethyl Ether	T	Average RF			0.5203	<=15	2.1
Diethyl Ether	T	Average RF			0.5203	<=20	2.1
Diisopropyl Ether	T	Average RF			2.142	<=15	3.6
Diisopropyl Ether	T	Average RF			2.142	<=20	3.6
Ethyl Methacrylate	T	Average RF			0.5503	<=15	4.8
Ethyl Methacrylate	T	Average RF			0.5503	<=20	4.8

Initial Calibration - Summary Report

Calibration ID: RC1600010 **Instrument ID:** R-MS-10
Column Name: 1

Analyte	Type	Curve Fit	Weighting	Min RF	Mean RF	Criteria	Result
Ethyl tert-Butyl Ether	T	Average RF			1.837	<=15	4.0
Ethyl tert-Butyl Ether	T	Average RF			1.837	<=20	4.0
Ethylbenzene	T	Average RF		0.100	0.5261	<=15	6.3
Ethylbenzene	T	Average RF		0.100	0.5261	<=20	6.3
Hexachlorobutadiene	T	Average RF			0.4736	<=15	7.2
Hexachlorobutadiene	T	Average RF			0.4736	<=20	7.2
Iodomethane	T	Quadratic	1/X2		0.5336	>=0.99	0.9963
Iodomethane	T	Quadratic	1/X2		0.5336	>=0.995	0.9963
Iodomethane	T	Quadratic	1/X2		0.5336	>=0.99	0.9963
Isopropylbenzene (Cumene)	T	Average RF		0.100	1.736	<=15	6.8
Isopropylbenzene (Cumene)	T	Average RF		0.100	1.736	<=20	6.8
Methacrylonitrile	T	Average RF			0.2874	<=15	7.6
Methacrylonitrile	T	Average RF			0.2874	<=20	7.6
Methyl Acetate	T	Average RF		0.100	0.7613	<=15	2.1
Methyl Acetate	T	Average RF		0.100	0.7613	<=20	2.1
Methyl Methacrylate	T	Average RF			0.3161	<=15	5.6
Methyl Methacrylate	T	Average RF			0.3161	<=20	5.6
Methyl tert-Butyl Ether	T	Average RF		0.100	1.585	<=15	2.6
Methyl tert-Butyl Ether	T	Average RF		0.100	1.585	<=20	2.6
Methylcyclohexane	T	Average RF		0.100	0.4942	<=15	8.3
Methylcyclohexane	T	Average RF		0.100	0.4942	<=20	8.3
Naphthalene	T	Average RF			3.483	<=15	3.8
Naphthalene	T	Average RF			3.483	<=20	3.8
Propionitrile	T	Average RF			0.1429	<=15	7.5
Propionitrile	T	Average RF			0.1429	<=20	7.5
Styrene	T	Average RF		0.300	1.169	<=15	3.0
Styrene	T	Average RF		0.300	1.169	<=20	3.0
Tetrachloroethene (PCE)	T	Average RF		0.200	0.2905	<=15	8.9
Tetrachloroethene (PCE)	T	Average RF		0.200	0.2905	<=20	8.9
Tetrahydrofuran (THF)	T	Average RF			0.2967	<=15	2.8
Tetrahydrofuran (THF)	T	Average RF			0.2967	<=20	2.8
Toluene	T	Average RF		0.400	1.318	<=15	3.8
Toluene	T	Average RF		0.400	1.318	<=20	3.8
Trichloroethene (TCE)	T	Average RF		0.200	0.3356	<=15	7.9
Trichloroethene (TCE)	T	Average RF		0.200	0.3356	<=20	7.9
Trichlorofluoromethane (CFC 11)	T	Average RF		0.100	0.5686	<=15	6.1
Trichlorofluoromethane (CFC 11)	T	Average RF		0.100	0.5686	<=20	6.1
Vinyl Acetate	T	Average RF			0.1061	<=15	7.1
Vinyl Acetate	T	Average RF			0.1061	<=20	7.1
Vinyl Chloride	T	Average RF		0.100	0.7105	<=15	5.1
Vinyl Chloride	T	Average RF		0.100	0.7105	<=20	5.1
cis-1,2-Dichloroethene	T	Average RF		0.100	0.4948	<=15	12.7
cis-1,2-Dichloroethene	T	Average RF		0.100	0.4948	<=20	12.7
cis-1,3-Dichloropropene	T	Average RF		0.200	0.5490	<=15	4.4
cis-1,3-Dichloropropene	T	Average RF		0.200	0.5490	<=20	4.4
m,p-Xylenes	T	Average RF		0.100	0.6647	<=15	5.8
m,p-Xylenes	T	Average RF		0.100	0.6647	<=20	5.8
n-Butyl Acetate	T	Average RF			1.053	<=15	6.9
n-Butyl Acetate	T	Average RF			1.053	<=20	6.9
n-Butylbenzene	T	Average RF			2.481	<=15	8.2
n-Butylbenzene	T	Average RF			2.481	<=20	8.2
n-Heptane	T	Average RF			0.5341	<=15	13.3

Initial Calibration - Summary Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Column Name:	1

Analyte	Type	Curve Fit	Weighting	Min RF	Mean RF	Criteria	Result
n-Heptane	T	Average RF			0.5341	<=20	13.3
n-Propylbenzene	T	Average RF			3.693	<=15	7.6
n-Propylbenzene	T	Average RF			3.693	<=20	7.6
o-Xylene	T	Average RF		0.300	0.6887	<=15	6.5
o-Xylene	T	Average RF		0.300	0.6887	<=20	6.5
sec-Butylbenzene	T	Average RF			3.333	<=15	7.3
sec-Butylbenzene	T	Average RF			3.333	<=20	7.3
tert-Amyl Methyl Ether	T	Average RF			1.069	<=15	4.6
tert-Amyl Methyl Ether	T	Average RF			1.069	<=20	4.6
tert-Butylbenzene	T	Average RF			2.264	<=15	6.4
tert-Butylbenzene	T	Average RF			2.264	<=20	6.4
trans-1,2-Dichloroethene	T	Average RF		0.100	0.4248	<=15	8.2
trans-1,2-Dichloroethene	T	Average RF		0.100	0.4248	<=20	8.2
trans-1,3-Dichloropropene	T	Average RF		0.100	0.4980	<=15	4.8
trans-1,3-Dichloropropene	T	Average RF		0.100	0.4980	<=20	4.8
trans-1,4-Dichloro-2-butene	T	Average RF			0.2069	<=15	7.1
trans-1,4-Dichloro-2-butene	T	Average RF			0.2069	<=20	7.1
1,2-Dichloroethane-d4	S	Average RF			0.3702	<=15	4.1
1,2-Dichloroethane-d4	S	Average RF			0.3702	<=20	4.1
4-Bromofluorobenzene	S	Average RF			0.4700	<=15	2.9
4-Bromofluorobenzene	S	Average RF			0.4700	<=20	2.9
Dibromofluoromethane	S	Average RF			0.3070	<=15	3.5
Dibromofluoromethane	S	Average RF			0.3070	<=20	3.5
Toluene-d8	S	Average RF			1.203	<=15	4.9
Toluene-d8	S	Average RF			1.203	<=20	4.9

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1600010-01	0.5 PPB STD	I:\ACQUDATA\msvoa10\data\020316\F5852.D	2/3/16 14:24
02	RC1600010-02	1.0 PPB STD	I:\ACQUDATA\msvoa10\data\020316\F5853.D	2/3/16 14:49
03	RC1600010-03	2.0 PPB STD	I:\ACQUDATA\msvoa10\data\020316\F5854.D	2/3/16 15:13
04	RC1600010-04	5.0 PPB STD	I:\ACQUDATA\msvoa10\data\020316\F5855.D	2/3/16 15:37
05	RC1600010-05	20 PPB STD	I:\ACQUDATA\msvoa10\data\020316\F5856.D	2/3/16 16:06
06	RC1600010-06	50 PPB STD	I:\ACQUDATA\msvoa10\data\020316\F5857.D	2/3/16 16:30
07	RC1600010-07	100 PPB STD	I:\ACQUDATA\msvoa10\data\020316\F5858.D	2/3/16 16:54
08	RC1600010-08	150 PPB STD	I:\ACQUDATA\msvoa10\data\020316\F5859.D	2/3/16 17:18
09	RC1600010-09	200 PPB STD	I:\ACQUDATA\msvoa10\data\020316\F5860.D	2/3/16 17:43

Analyte — **Curve Fit** — **Weighting**

1,1,1,2-Tetrachloroethane — Average RF — RSD = 3.9 — Average RF = 0.3718

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3842	02	1.000	0.3919	03	2.000	0.3582	04	5.000	0.3862
05	20.000	0.3468	06	50.000	0.3632	07	100.000	0.3732	08	150.000	0.3745
09	200.000	0.3675									

1,1,1-Trichloroethane (TCA) — Average RF — RSD = 8.5 — Average RF = 0.6212

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7024	02	1.000	0.6718	03	2.000	0.6903	04	5.000	0.5956
05	20.000	0.5599	06	50.000	0.5676	07	100.000	0.6080	08	150.000	0.5932
09	200.000	0.6016									

1,1,2,2-Tetrachloroethane — Average RF — RSD = 12.3 — Average RF = 0.9743

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.193	02	1.000	0.8075	03	2.000	0.8205	04	5.000	0.9335
05	20.000	0.9256	06	50.000	1.038	07	100.000	1.014	08	150.000	1.052
09	200.000	0.9849									

1,1,2-Trichloroethane — Average RF — RSD = 3.8 — Average RF = 0.3145

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3094	02	1.000	0.3421	03	2.000	0.3063	04	5.000	0.3026
05	20.000	0.3053	06	50.000	0.3163	07	100.000	0.3171	08	150.000	0.3217
09	200.000	0.3098									

1,1,2-Trichlorotrifluoroethane — Average RF — RSD = 11.8 — Average RF = 0.3688

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4501	02	1.000	0.4323	03	2.000	0.3699	04	5.000	0.3693
05	20.000	0.3394	06	50.000	0.3278	07	100.000	0.3494	08	150.000	0.3355
09	200.000	0.3455									

1,1-Dichloroethane (1,1-DCA) — Average RF — RSD = 3.5 — Average RF = 0.8413

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.8928	02	1.000	0.8218	03	2.000	0.8713	04	5.000	0.8663
05	20.000	0.8107	06	50.000	0.8097	07	100.000	0.8364	08	150.000	0.8394
09	200.000	0.8238									

1,1-Dichloroethene (1,1-DCE) — Average RF — RSD = 13.3 — Average RF = 0.3961

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4975	02	1.000	0.4738	03	2.000	0.3927	04	5.000	0.3903
05	20.000	0.3543	06	50.000	0.3548	07	100.000	0.3685	08	150.000	0.3648
09	200.000	0.3685									

Initial Calibration - Detailed Report

Calibration ID: RC1600010 **Instrument ID:** R-MS-10
Signal ID: 1

Analyte	Curve Fit	Weighting

1,1-Dichloropropene — Average RF — RSD = 4.2 — Average RF = 0.3838

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4080	02	1.000	0.4102	03	2.000	0.3891	04	5.000	0.3829
05	20.000	0.3664	06	50.000	0.3713	07	100.000	0.3837	08	150.000	0.3719
09	200.000	0.3709									

1,2,3-Trichlorobenzene — Average RF — RSD = 11.3 — Average RF = 1.178

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.498	02	1.000	1.277	03	2.000	1.119	04	5.000	1.118
05	20.000	1.064	06	50.000	1.149	07	100.000	1.157	08	150.000	1.121
09	200.000	1.101									

1,2,3-Trichloropropane — Average RF — RSD = 8.6 — Average RF = 0.3173

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3726	02	1.000	0.3129	03	2.000	0.3464	04	5.000	0.3104
05	20.000	0.2924	06	50.000	0.3246	07	100.000	0.2989	08	150.000	0.3106
09	200.000	0.2868									

1,2,4-Trichlorobenzene — Average RF — RSD = 9.1 — Average RF = 1.141

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.386	02	1.000	1.228	03	2.000	1.088	04	5.000	1.097
05	20.000	1.055	06	50.000	1.113	07	100.000	1.120	08	150.000	1.100
09	200.000	1.078									

1,2,4-Trimethylbenzene — Average RF — RSD = 4.2 — Average RF = 2.708

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.841	02	1.000	2.784	03	2.000	2.816	04	5.000	2.814
05	20.000	2.499	06	50.000	2.685	07	100.000	2.672	08	150.000	2.636
09	200.000	2.628									

1,2-Dibromo-3-chloropropane (DBCP) — Average RF — RSD = 9.6 — Average RF = 0.2601

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.3081	03	2.000	0.2326	04	5.000	0.2428	05	20.000	0.2344
06	50.000	0.2691	07	100.000	0.2605	08	150.000	0.2756	09	200.000	0.2576

1,2-Dibromoethane — Average RF — RSD = 3.4 — Average RF = 0.3827

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3609	02	1.000	0.3903	03	2.000	0.3716	04	5.000	0.3994
05	20.000	0.3737	06	50.000	0.3897	07	100.000	0.3877	08	150.000	0.3957
09	200.000	0.3750									

1,2-Dichloro-1,1,2-trifluoroethane (CFC — Quadratic — 1/X2 — COD = 0.9964 — $Y = 0.01560\ X^2 + 0.4664\ X + 0.003212$

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7783	02	1.000	0.6588	03	2.000	0.5028	04	5.000	0.5628
05	20.000	0.4158	06	50.000	0.4860	07	100.000	0.5281	08	150.000	0.5318
09	200.000	0.5070									

1,2-Dichlorobenzene — Average RF — RSD = 4.9 — Average RF = 1.565

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.740	02	1.000	1.556	03	2.000	1.505	04	5.000	1.631
05	20.000	1.497	06	50.000	1.555	07	100.000	1.548	08	150.000	1.548
09	200.000	1.502									

Initial Calibration - Detailed Report

Calibration ID: RC1600010 **Instrument ID:** R-MS-10
Signal ID: 1

Analyte **Curve Fit** **Weighting**

1,2-Dichloroethane Average RF RSD = 4.7 Average RF = 0.4904

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5422	02	1.000	0.4850	03	2.000	0.4660	04	5.000	0.4996
05	20.000	0.4690	06	50.000	0.4922	07	100.000	0.4896	08	150.000	0.4961
09	200.000	0.4739									

1,2-Dichloroethane-d4 Average RF RSD = 4.1 Average RF = 0.3702

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3909	05	20.000	0.3626	07	50.000	0.3708	08	100.000	0.3764
09	200.000	0.3504									

1,2-Dichloropropane Average RF RSD = 4.0 Average RF = 0.3635

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3675	02	1.000	0.3898	03	2.000	0.3599	04	5.000	0.3736
05	20.000	0.3365	06	50.000	0.3588	07	100.000	0.3668	08	150.000	0.3634
09	200.000	0.3554									

1,3,5-Trichlorobenzene Average RF RSD = 4.1 Average RF = 1.201

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.266	02	1.000	1.236	03	2.000	1.239	04	5.000	1.186
05	20.000	1.154	06	50.000	1.171	07	100.000	1.252	08	150.000	1.185
09	200.000	1.124									

1,3,5-Trimethylbenzene Average RF RSD = 6.2 Average RF = 2.619

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.852	02	1.000	2.697	03	2.000	2.744	04	5.000	2.796
05	20.000	2.350	06	50.000	2.545	07	100.000	2.584	08	150.000	2.498
09	200.000	2.503									

1,3-Dichlorobenzene Average RF RSD = 5.5 Average RF = 1.564

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.737	02	1.000	1.585	03	2.000	1.569	04	5.000	1.649
05	20.000	1.443	06	50.000	1.537	07	100.000	1.523	08	150.000	1.537
09	200.000	1.500									

1,3-Dichloropropane Average RF RSD = 4.2 Average RF = 0.6128

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5895	02	1.000	0.6556	03	2.000	0.6411	04	5.000	0.6230
05	20.000	0.5732	06	50.000	0.6165	07	100.000	0.6084	08	150.000	0.6166
09	200.000	0.5916									

1,4-Dichlorobenzene Average RF RSD = 6.8 Average RF = 1.634

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.868	02	1.000	1.666	03	2.000	1.689	04	5.000	1.709
05	20.000	1.514	06	50.000	1.582	07	100.000	1.575	08	150.000	1.556
09	200.000	1.546									

1,4-Dioxane Average RF RSD = 6.2 Average RF = 0.007083

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	20.000	0.006607	03	40.000	0.006873	04	100.000	0.007019	05	400.000	0.006643
06	1000.000	0.006859	07	2000.000	0.007260	08	3000.000	0.007852	09	4000.000	0.007554

1-Butanol Average RF RSD = 10.4 Average RF = 0.02284

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	50.000	0.01868	03	100.000	0.02107	04	250.000	0.02266	05	1000.000	0.02172
06	2500.000	0.02300	07	5000.000	0.02452	08	7500.000	0.02608	09	10000.000	0.02495

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte **Curve Fit** **Weighting**

1-Chloro-4-(trifluoromethyl)benzene Average RF RSD = 7.6 Average RF = 0.5374

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6023	02	1.000	0.5831	03	2.000	0.5312	04	5.000	0.5310
05	20.000	0.4785	06	50.000	0.5179	07	100.000	0.5723	08	150.000	0.5223
09	200.000	0.4976									

2,2-Dichloro-1,1,1-trifluoroethane (CFC Average RF RSD = 9.8 Average RF = 0.5624

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6642	02	1.000	0.5472	03	2.000	0.5960	04	5.000	0.5752
05	20.000	0.4604	06	50.000	0.5195	07	100.000	0.5725	08	150.000	0.5695
09	200.000	0.5569									

2,2-Dichloropropane Average RF RSD = 9.0 Average RF = 0.6369

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7437	02	1.000	0.6929	03	2.000	0.6910	04	5.000	0.6219
05	20.000	0.5911	06	50.000	0.5883	07	100.000	0.6161	08	150.000	0.5961
09	200.000	0.5912									

2,3,6-Trichlorotoluene Average RF RSD = 4.8 Average RF = 0.8045

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.8475	02	1.000	0.7643	03	2.000	0.7800	04	5.000	0.8085
05	20.000	0.7615	06	50.000	0.8001	07	100.000	0.8704	08	150.000	0.8312
09	200.000	0.7773									

2,4,5-Trichlorotoluene Average RF RSD = 6.5 Average RF = 0.8865

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7829	02	1.000	0.8508	03	2.000	0.9183	04	5.000	0.8590
05	20.000	0.8690	06	50.000	0.8910	07	100.000	0.9860	08	150.000	0.9380
09	200.000	0.8832									

2,4-, 2,5-, and 2,6-Dichlorotoluene Coelut Average RF RSD = 3.7 Average RF = 1.418

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.500	1.462	02	3.000	1.380	03	6.000	1.425	04	15.000	1.431
05	60.000	1.346	06	150.000	1.423	07	300.000	1.517	08	450.000	1.426
09	600.000	1.354									

2,4-Dichlorobenzotrifluoride Average RF RSD = 5.9 Average RF = 0.7939

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.8083	02	1.000	0.8898	03	2.000	0.7905	04	5.000	0.7994
05	20.000	0.7280	06	50.000	0.7684	07	100.000	0.8289	08	150.000	0.7802
09	200.000	0.7518									

2,5-Dichlorobenzotrifluoride Average RF RSD = 5.5 Average RF = 0.8950

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9410	02	1.000	0.9438	03	2.000	0.8804	04	5.000	0.9315
05	20.000	0.8354	06	50.000	0.8707	07	100.000	0.9512	08	150.000	0.8851
09	200.000	0.8159									

2-Butanone (MEK) Average RF RSD = 11.1 Average RF = 0.5174

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5872	02	1.000	0.6235	03	2.000	0.5458	04	5.000	0.5122
05	20.000	0.4791	06	50.000	0.4534	07	100.000	0.4760	08	150.000	0.5060
09	200.000	0.4736									

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte **Curve Fit** **Weighting**

2-Chloro-1,3-butadiene Average RF RSD = 12.5 Average RF = 0.9955

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.254	02	1.000	1.124	03	2.000	0.9859	04	5.000	1.0000
05	20.000	0.8767	06	50.000	0.8488	07	100.000	0.9542	08	150.000	0.9570
09	200.000	0.9580									

2-Chlorobenzotrifluoride Average RF RSD = 7.4 Average RF = 0.5926

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6701	02	1.000	0.6034	03	2.000	0.5826	04	5.000	0.6041
05	20.000	0.5124	06	50.000	0.5762	07	100.000	0.6333	08	150.000	0.5854
09	200.000	0.5656									

2-Chloroethyl Vinyl Ether Average RF RSD = 7.6 Average RF = 0.2349

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.1978	02	1.000	0.2245	03	2.000	0.2252	04	5.000	0.2321
05	20.000	0.2399	06	50.000	0.2398	07	100.000	0.2490	08	150.000	0.2595
09	200.000	0.2458									

2-Chlorotoluene Average RF RSD = 6.5 Average RF = 2.160

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.375	02	1.000	2.326	03	2.000	2.201	04	5.000	2.271
05	20.000	1.996	06	50.000	2.128	07	100.000	2.081	08	150.000	2.044
09	200.000	2.015									

2-Hexanone Average RF RSD = 5.1 Average RF = 0.5550

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6079	02	1.000	0.5930	03	2.000	0.5572	04	5.000	0.5534
05	20.000	0.5265	06	50.000	0.5276	07	100.000	0.5391	08	150.000	0.5567
09	200.000	0.5337									

2-Methyl-1-propanol Average RF RSD = 7.5 Average RF = 0.03987

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	10.000	0.04391	02	20.000	0.03957	03	40.000	0.03733	04	100.000	0.03791
05	400.000	0.03541	06	1000.000	0.03871	07	2000.000	0.04012	08	3000.000	0.04438
09	4000.000	0.04146									

2-Methyl-2-propanol Average RF RSD = 8.3 Average RF = 0.1057

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	10.000	0.09707	02	20.000	0.09678	03	40.000	0.09903	04	100.000	0.1083
05	400.000	0.09973	06	1000.000	0.1040	07	2000.000	0.1093	08	3000.000	0.1222
09	4000.000	0.1149									

2-Nitropropane Average RF RSD = 11.1 Average RF = 0.1568

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1296	02	2.000	0.1794	03	4.000	0.1843	04	10.000	0.1520
05	40.000	0.1413	06	100.000	0.1505	07	200.000	0.1530	08	300.000	0.1661
09	400.000	0.1554									

2-Propanol Average RF RSD = 7.2 Average RF = 0.07609

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	10.000	0.07255	02	20.000	0.07123	03	40.000	0.06775	04	100.000	0.07736
05	400.000	0.07294	06	1000.000	0.07669	07	2000.000	0.07935	08	3000.000	0.08485
09	4000.000	0.08208									

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte **Curve Fit** **Weighting**

3,4- and 2,3-Dichlorotoluene Coelution Average RF RSD = 3.1 Average RF = 1.585

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.562	02	2.000	1.593	03	4.000	1.603	04	10.000	1.608
05	40.000	1.533	06	100.000	1.592	07	200.000	1.679	08	300.000	1.587
09	400.000	1.506									

3,4-Dichlorobenzotrifluoride Average RF RSD = 7.3 Average RF = 0.8774

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.021	02	1.000	0.8655	03	2.000	0.8659	04	5.000	0.8939
05	20.000	0.8108	06	50.000	0.8604	07	100.000	0.9150	08	150.000	0.8567
09	200.000	0.8078									

3-Chloro-1-propene Average RF RSD = 8.4 Average RF = 0.2123

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2512	02	1.000	0.2299	03	2.000	0.2112	04	5.000	0.2146
05	20.000	0.1993	06	50.000	0.1976	07	100.000	0.2030	08	150.000	0.2035
09	200.000	0.1999									

3-Chlorobenzotrifluoride Average RF RSD = 7.8 Average RF = 0.5968

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6123	02	1.000	0.5953	03	2.000	0.6475	04	5.000	0.6535
05	20.000	0.5112	06	50.000	0.5799	07	100.000	0.6372	08	150.000	0.5808
09	200.000	0.5539									

3-Chlorotoluene Average RF RSD = 6.9 Average RF = 2.342

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.657	02	1.000	2.269	03	2.000	2.367	04	5.000	2.493
05	20.000	2.110	06	50.000	2.322	07	100.000	2.392	08	150.000	2.253
09	200.000	2.215									

4-Bromofluorobenzene Average RF RSD = 2.9 Average RF = 0.4700

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.4731	05	20.000	0.4501	07	50.000	0.4791	08	100.000	0.4844
09	200.000	0.4635									

4-Chlorotoluene Average RF RSD = 4.6 Average RF = 2.487

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.611	02	1.000	2.440	03	2.000	2.549	04	5.000	2.654
05	20.000	2.317	06	50.000	2.516	07	100.000	2.504	08	150.000	2.455
09	200.000	2.336									

4-Isopropyltoluene Average RF RSD = 6.2 Average RF = 2.692

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.896	02	1.000	2.850	03	2.000	2.686	04	5.000	2.926
05	20.000	2.410	06	50.000	2.618	07	100.000	2.640	08	150.000	2.581
09	200.000	2.625									

4-Methyl-2-pentanone Average RF RSD = 4.2 Average RF = 0.6423

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7050	02	1.000	0.6325	03	2.000	0.6528	04	5.000	0.6442
05	20.000	0.6306	06	50.000	0.6159	07	100.000	0.6328	08	150.000	0.6521
09	200.000	0.6144									

Initial Calibration - Detailed Report

Calibration ID: RC1600010 **Instrument ID:** R-MS-10
Signal ID: 1

Analyte **Curve Fit** **Weighting**

Acetone Average RF RSD = 7.0 Average RF = 0.3484

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.3863	05	20.000	0.3486	06	50.000	0.3174	07	100.000	0.3312
08	150.000	0.3648	09	200.000	0.3419						

Acetonitrile Average RF RSD = 11.3 Average RF = 0.07821

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	10.000	0.09749	04	25.000	0.07695	05	100.000	0.07222	06	250.000	0.07165
07	500.000	0.07609	08	750.000	0.07785	09	1000.000	0.07519			

Acrolein Average RF RSD = 4.9 Average RF = 0.1444

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.500	0.1506	02	5.000	0.1468	03	10.000	0.1315	04	25.000	0.1393
05	100.000	0.1442	06	250.000	0.1375	07	500.000	0.1474	08	750.000	0.1538
09	1000.000	0.1480									

Acrylonitrile Average RF RSD = 4.1 Average RF = 0.3381

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.500	0.3267	02	5.000	0.3197	03	10.000	0.3335	04	25.000	0.3369
05	100.000	0.3335	06	250.000	0.3378	07	500.000	0.3445	08	750.000	0.3691
09	1000.000	0.3415									

Benzene Average RF RSD = 3.1 Average RF = 1.243

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.213	02	1.000	1.301	03	2.000	1.241	04	5.000	1.295
05	20.000	1.182	06	50.000	1.237	07	100.000	1.258	08	150.000	1.242
09	200.000	1.218									

Bromobenzene Average RF RSD = 5.5 Average RF = 0.8227

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9249	02	1.000	0.8528	03	2.000	0.8180	04	5.000	0.8234
05	20.000	0.7723	06	50.000	0.8275	07	100.000	0.8034	08	150.000	0.8035
09	200.000	0.7786									

Bromochloromethane Average RF RSD = 3.8 Average RF = 0.3202

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3109	02	1.000	0.3483	03	2.000	0.3098	04	5.000	0.3281
05	20.000	0.3117	06	50.000	0.3127	07	100.000	0.3183	08	150.000	0.3235
09	200.000	0.3181									

Bromodichloromethane Average RF RSD = 6.2 Average RF = 0.4133

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4664	02	1.000	0.4336	03	2.000	0.4076	04	5.000	0.3787
05	20.000	0.3866	06	50.000	0.4109	07	100.000	0.4127	08	150.000	0.4154
09	200.000	0.4077									

Bromoform Average RF RSD = 8.9 Average RF = 0.2870

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2625	02	1.000	0.2549	03	2.000	0.2703	04	5.000	0.2764
05	20.000	0.2703	06	50.000	0.2990	07	100.000	0.3088	08	150.000	0.3234
09	200.000	0.3175									

Bromomethane Quadratic 1/X COD = 0.9975 $Y = -0.03920 X^2 + 0.3273 X + 0.002773$

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5540	02	1.000	0.4295	03	2.000	0.4340	04	5.000	0.3960
05	20.000	0.3260	06	50.000	0.2924	07	100.000	0.2377	08	150.000	0.2158

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte **Curve Fit** **Weighting**

Carbon Disulfide Average RF RSD = 7.2 Average RF = 1.173

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.304	02	1.000	1.273	03	2.000	1.161	04	5.000	1.168
05	20.000	1.074	06	50.000	1.034	07	100.000	1.157	08	150.000	1.195
09	200.000	1.192									

Carbon Tetrachloride Average RF RSD = 8.2 Average RF = 0.1140

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.1200	02	1.000	0.1349	03	2.000	0.1133	04	5.000	0.1125
05	20.000	0.1014	06	50.000	0.1062	07	100.000	0.1140	08	150.000	0.1108
09	200.000	0.1131									

Chlorobenzene Average RF RSD = 4.4 Average RF = 1.025

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.084	02	1.000	1.055	03	2.000	1.067	04	5.000	1.069
05	20.000	0.9623	06	50.000	1.003	07	100.000	1.004	08	150.000	1.007
09	200.000	0.9725									

Chloroethane Average RF RSD = 7.3 Average RF = 0.3824

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4314	02	1.000	0.4093	03	2.000	0.3900	04	5.000	0.4010
05	20.000	0.3558	06	50.000	0.3559	07	100.000	0.3781	08	150.000	0.3707
09	200.000	0.3498									

Chloroform Average RF RSD = 8.7 Average RF = 0.7794

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9486	02	1.000	0.7995	03	2.000	0.7898	04	5.000	0.7672
05	20.000	0.7283	06	50.000	0.7315	07	100.000	0.7454	08	150.000	0.7579
09	200.000	0.7465									

Chloromethane Average RF RSD = 4.9 Average RF = 0.8960

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9476	02	1.000	0.8901	03	2.000	0.8484	04	5.000	0.8417
05	20.000	0.8562	06	50.000	0.8710	07	100.000	0.9298	08	150.000	0.9217
09	200.000	0.9576									

Cyclohexane Average RF RSD = 11.6 Average RF = 0.3943

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.4135	03	2.000	0.4618	04	5.000	0.4316	05	20.000	0.3059
06	50.000	0.3737	07	100.000	0.3953	08	150.000	0.3916	09	200.000	0.3812

Cyclohexanone Average RF RSD = 5.7 Average RF = 0.1059

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	10.000	0.09807	02	20.000	0.1045	03	40.000	0.1082	04	100.000	0.1178
05	400.000	0.1022	06	1000.000	0.1017	07	2000.000	0.1046	08	3000.000	0.1126
09	4000.000	0.1037									

Dibromochloromethane Average RF RSD = 6.3 Average RF = 0.3896

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3539	02	1.000	0.4354	03	2.000	0.3826	04	5.000	0.3799
05	20.000	0.3610	06	50.000	0.3919	07	100.000	0.4000	08	150.000	0.4088
09	200.000	0.3930									

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte **Curve Fit** **Weighting**

Dibromofluoromethane Average RF RSD = 3.5 Average RF = 0.3070

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3231	05	20.000	0.3023	07	50.000	0.3049	08	100.000	0.3104
09	200.000	0.2943									

Dibromomethane Average RF RSD = 7.1 Average RF = 0.2064

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.1725	02	1.000	0.2243	03	2.000	0.2197	04	5.000	0.2099
05	20.000	0.2040	06	50.000	0.2054	07	100.000	0.2058	08	150.000	0.2125
09	200.000	0.2032									

Dichlorodifluoromethane (CFC 12) Average RF RSD = 5.5 Average RF = 0.5954

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5847	02	1.000	0.5752	03	2.000	0.5330	04	5.000	0.5768
05	20.000	0.6003	06	50.000	0.6020	07	100.000	0.6381	08	150.000	0.6117
09	200.000	0.6366									

Dichlorofluoromethane (CFC 21) Average RF RSD = 10.0 Average RF = 0.8499

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9804	02	1.000	0.9123	03	2.000	0.9162	04	5.000	0.8418
05	20.000	0.6856	06	50.000	0.7823	07	100.000	0.8300	08	150.000	0.8519
09	200.000	0.8482									

Dichloromethane Average RF RSD = 13.8 Average RF = 0.4948

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6699	02	1.000	0.4899	03	2.000	0.5076	04	5.000	0.4866
05	20.000	0.4488	06	50.000	0.4538	07	100.000	0.4667	08	150.000	0.4679
09	200.000	0.4619									

Diethyl Ether Average RF RSD = 2.1 Average RF = 0.5203

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5261	02	1.000	0.5294	03	2.000	0.5012	04	5.000	0.5268
05	20.000	0.5054	06	50.000	0.5214	07	100.000	0.5235	08	150.000	0.5334
09	200.000	0.5155									

Diisopropyl Ether Average RF RSD = 3.6 Average RF = 2.142

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.283	02	1.000	2.102	03	2.000	2.078	04	5.000	2.136
05	20.000	2.071	06	50.000	2.043	07	100.000	2.217	08	150.000	2.188
09	200.000	2.156									

Ethyl Methacrylate Average RF RSD = 4.8 Average RF = 0.5503

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5718	02	1.000	0.5289	03	2.000	0.5171	04	5.000	0.5261
05	20.000	0.5263	06	50.000	0.5578	07	100.000	0.5684	08	150.000	0.5943
09	200.000	0.5619									

Ethyl tert-Butyl Ether Average RF RSD = 4.0 Average RF = 1.837

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.750	02	1.000	1.974	03	2.000	1.808	04	5.000	1.843
05	20.000	1.794	06	50.000	1.740	07	100.000	1.886	08	150.000	1.883
09	200.000	1.858									

Initial Calibration - Detailed Report

Calibration ID: RC1600010 **Instrument ID:** R-MS-10
Signal ID: 1

Analyte **Curve Fit** **Weighting**

Ethylbenzene Average RF RSD = 6.3 Average RF = 0.5261

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4826	02	1.000	0.5782	03	2.000	0.5278	04	5.000	0.5717
05	20.000	0.4831	06	50.000	0.5221	07	100.000	0.5306	08	150.000	0.5217
09	200.000	0.5174									

Hexachlorobutadiene Average RF RSD = 7.2 Average RF = 0.4736

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.4395	03	2.000	0.5327	04	5.000	0.5092	05	20.000	0.4375
06	50.000	0.4744	07	100.000	0.4784	08	150.000	0.4450	09	200.000	0.4723

Iodomethane Quadratic 1/X2 COD = 0.9963 $Y = 0.02607 X^2 + 0.5605 X + -0.02981$

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.2711	05	20.000	0.4650	06	50.000	0.5571	07	100.000	0.6386
08	150.000	0.6349	09	200.000	0.6352						

Isopropylbenzene (Cumene) Average RF RSD = 6.8 Average RF = 1.736

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.904	02	1.000	1.860	03	2.000	1.745	04	5.000	1.849
05	20.000	1.524	06	50.000	1.661	07	100.000	1.707	08	150.000	1.677
09	200.000	1.694									

Methacrylonitrile Average RF RSD = 7.6 Average RF = 0.2874

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2749	02	1.000	0.3292	03	2.000	0.2554	04	5.000	0.2950
05	20.000	0.2698	06	50.000	0.2800	07	100.000	0.2871	08	150.000	0.3081
09	200.000	0.2871									

Methyl Acetate Average RF RSD = 2.1 Average RF = 0.7613

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7889	02	1.000	0.7758	03	2.000	0.7538	04	5.000	0.7420
05	20.000	0.7433	06	50.000	0.7661	07	100.000	0.7582	08	150.000	0.7731
09	200.000	0.7509									

Methyl Methacrylate Average RF RSD = 5.6 Average RF = 0.3161

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3004	02	1.000	0.3497	03	2.000	0.3233	04	5.000	0.3003
05	20.000	0.2947	06	50.000	0.3125	07	100.000	0.3185	08	150.000	0.3344
09	200.000	0.3107									

Methyl tert-Butyl Ether Average RF RSD = 2.6 Average RF = 1.585

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.555	02	1.000	1.633	03	2.000	1.644	04	5.000	1.551
05	20.000	1.554	06	50.000	1.552	07	100.000	1.583	08	150.000	1.637
09	200.000	1.557									

Methylcyclohexane Average RF RSD = 8.3 Average RF = 0.4942

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4947	02	1.000	0.5452	03	2.000	0.5394	04	5.000	0.4940
05	20.000	0.4040	06	50.000	0.4747	07	100.000	0.5129	08	150.000	0.4982
09	200.000	0.4845									

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte **Curve Fit** **Weighting**

Naphthalene Average RF RSD = 3.8 Average RF = 3.483

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	3.424	02	1.000	3.246	03	2.000	3.447	04	5.000	3.520
05	20.000	3.410	06	50.000	3.653	07	100.000	3.622	08	150.000	3.614
09	200.000	3.413									

Propionitrile Average RF RSD = 7.5 Average RF = 0.1429

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.500	0.1642	02	5.000	0.1338	03	10.000	0.1373	04	25.000	0.1333
05	100.000	0.1340	06	250.000	0.1380	07	500.000	0.1444	08	750.000	0.1551
09	1000.000	0.1462									

Styrene Average RF RSD = 3.0 Average RF = 1.169

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.205	02	1.000	1.188	03	2.000	1.131	04	5.000	1.207
05	20.000	1.098	06	50.000	1.162	07	100.000	1.173	08	150.000	1.187
09	200.000	1.171									

Tetrachloroethene (PCE) Average RF RSD = 8.9 Average RF = 0.2905

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3255	02	1.000	0.3367	03	2.000	0.2862	04	5.000	0.2984
05	20.000	0.2550	06	50.000	0.2790	07	100.000	0.2830	08	150.000	0.2741
09	200.000	0.2769									

Tetrahydrofuran (THF) Average RF RSD = 2.8 Average RF = 0.2967

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	2.000	0.2838	04	5.000	0.3009	05	20.000	0.2908	06	50.000	0.2942
07	100.000	0.3023	08	150.000	0.3092	09	200.000	0.2953			

Toluene Average RF RSD = 3.8 Average RF = 1.318

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.413	02	1.000	1.364	03	2.000	1.294	04	5.000	1.348
05	20.000	1.249	06	50.000	1.293	07	100.000	1.320	08	150.000	1.292
09	200.000	1.287									

Toluene-d8 Average RF RSD = 4.9 Average RF = 1.203

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.291	05	20.000	1.197	07	50.000	1.191	08	100.000	1.207
09	200.000	1.128									

Trichloroethene (TCE) Average RF RSD = 7.9 Average RF = 0.3356

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3705	02	1.000	0.3573	03	2.000	0.3669	04	5.000	0.3576
05	20.000	0.3100	06	50.000	0.3107	07	100.000	0.3181	08	150.000	0.3138
09	200.000	0.3154									

Trichlorofluoromethane (CFC 11) Average RF RSD = 6.1 Average RF = 0.5686

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5907	02	1.000	0.6300	03	2.000	0.5312	04	5.000	0.6058
05	20.000	0.5338	06	50.000	0.5404	07	100.000	0.5658	08	150.000	0.5478
09	200.000	0.5721									

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte **Curve Fit** **Weighting**

Vinyl Acetate Average RF RSD = 7.1 Average RF = 0.1061

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.1109	02	1.000	0.1177	03	2.000	0.1044	04	5.000	0.09380
05	20.000	0.09949	06	50.000	0.1045	07	100.000	0.1102	08	150.000	0.1129
09	200.000	0.1008									

Vinyl Chloride Average RF RSD = 5.1 Average RF = 0.7105

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6663	02	1.000	0.7823	03	2.000	0.6805	04	5.000	0.7434
05	20.000	0.6895	06	50.000	0.6901	07	100.000	0.7059	08	150.000	0.7048
09	200.000	0.7320									

cis-1,2-Dichloroethene Average RF RSD = 12.7 Average RF = 0.4948

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6554	02	1.000	0.4929	03	2.000	0.5040	04	5.000	0.4929
05	20.000	0.4571	06	50.000	0.4540	07	100.000	0.4678	08	150.000	0.4678
09	200.000	0.4617									

cis-1,3-Dichloropropene Average RF RSD = 4.4 Average RF = 0.5490

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5946	02	1.000	0.5700	03	2.000	0.5236	04	5.000	0.5277
05	20.000	0.5200	06	50.000	0.5531	07	100.000	0.5559	08	150.000	0.5583
09	200.000	0.5379									

m,p-Xylenes Average RF RSD = 5.8 Average RF = 0.6647

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.6388	02	2.000	0.7465	03	4.000	0.6502	04	10.000	0.7054
05	40.000	0.6198	06	100.000	0.6623	07	200.000	0.6636	08	300.000	0.6483
09	400.000	0.6473									

n-Butyl Acetate Average RF RSD = 6.9 Average RF = 1.053

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9258	02	1.000	0.9917	03	2.000	1.001	04	5.000	1.078
05	20.000	1.016	06	50.000	1.129	07	100.000	1.119	08	150.000	1.130
09	200.000	1.084									

n-Butylbenzene Average RF RSD = 8.2 Average RF = 2.481

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.943	02	1.000	2.520	03	2.000	2.569	04	5.000	2.502
05	20.000	2.213	06	50.000	2.372	07	100.000	2.418	08	150.000	2.353
09	200.000	2.441									

n-Heptane Average RF RSD = 13.3 Average RF = 0.5341

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.6938	03	2.000	0.5672	04	5.000	0.5339	05	20.000	0.4824
06	50.000	0.5027	07	100.000	0.5195	08	150.000	0.4760	09	200.000	0.4971

n-Propylbenzene Average RF RSD = 7.6 Average RF = 3.693

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	4.182	02	1.000	3.905	03	2.000	3.745	04	5.000	3.958
05	20.000	3.312	06	50.000	3.609	07	100.000	3.603	08	150.000	3.479
09	200.000	3.439									

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte **Curve Fit** **Weighting**

o-Xylene Average RF RSD = 6.5 Average RF = 0.6887

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7726	02	1.000	0.7079	03	2.000	0.6573	04	5.000	0.7421
05	20.000	0.6314	06	50.000	0.6700	07	100.000	0.6841	08	150.000	0.6678
09	200.000	0.6655									

sec-Butylbenzene Average RF RSD = 7.3 Average RF = 3.333

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	3.610	02	1.000	3.639	03	2.000	3.450	04	5.000	3.568
05	20.000	2.941	06	50.000	3.236	07	100.000	3.258	08	150.000	3.129
09	200.000	3.166									

tert-Amyl Methyl Ether Average RF RSD = 4.6 Average RF = 1.069

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.129	02	1.000	0.9622	03	2.000	1.064	04	5.000	1.113
05	20.000	1.052	06	50.000	1.059	07	100.000	1.096	08	150.000	1.094
09	200.000	1.054									

tert-Butylbenzene Average RF RSD = 6.4 Average RF = 2.264

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.398	02	1.000	2.378	03	2.000	2.379	04	5.000	2.443
05	20.000	2.005	06	50.000	2.224	07	100.000	2.227	08	150.000	2.150
09	200.000	2.174									

trans-1,2-Dichloroethene Average RF RSD = 8.2 Average RF = 0.4248

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4791	02	1.000	0.4809	03	2.000	0.4346	04	5.000	0.4312
05	20.000	0.3879	06	50.000	0.3936	07	100.000	0.4090	08	150.000	0.4019
09	200.000	0.4054									

trans-1,3-Dichloropropene Average RF RSD = 4.8 Average RF = 0.4980

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5020	02	1.000	0.4682	03	2.000	0.4736	04	5.000	0.4759
05	20.000	0.4791	06	50.000	0.5158	07	100.000	0.5236	08	150.000	0.5312
09	200.000	0.5126									

trans-1,4-Dichloro-2-butene Average RF RSD = 7.1 Average RF = 0.2069

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2131	02	1.000	0.1834	03	2.000	0.2189	04	5.000	0.1937
05	20.000	0.1889	06	50.000	0.2088	07	100.000	0.2137	08	150.000	0.2269
09	200.000	0.2150									

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte

1,1,1,2-Tetrachloroethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.52	3.4	02	1.000	1.05	5.4	03	2.000	1.93	-3.7
04	5.000	5.19	3.9	05	20.000	18.66	-6.7	06	50.000	48.85	-2.3
07	100.000	100.38	0.4	08	150.000	151.13	0.8	09	200.000	197.73	-1.1

1,1,1-Trichloroethane (TCA)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.57	13.1	02	1.000	1.08	8.1	03	2.000	2.22	11.1
04	5.000	4.79	-4.1	05	20.000	18.03	-9.9	06	50.000	45.69	-8.6
07	100.000	97.88	-2.1	08	150.000	143.26	-4.5	09	200.000	193.72	-3.1

1,1,2,2-Tetrachloroethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.61	22.4	02	1.000	0.83	-17.1	03	2.000	1.68	-15.8
04	5.000	4.79	-4.2	05	20.000	19.00	-5.0	06	50.000	53.27	6.5
07	100.000	104.03	4.0	08	150.000	162.04	8.0	09	200.000	202.17	1.1

1,1,2-Trichloroethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.49	-1.6	02	1.000	1.09	8.8	03	2.000	1.95	-2.6
04	5.000	4.81	-3.8	05	20.000	19.42	-2.9	06	50.000	50.29	0.6
07	100.000	100.83	0.8	08	150.000	153.43	2.3	09	200.000	197.02	-1.5

1,1,2-Trichlorotrifluoroethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.61	22.0	02	1.000	1.17	17.2	03	2.000	2.01	0.3
04	5.000	5.01	0.1	05	20.000	18.41	-8.0	06	50.000	44.45	-11.1
07	100.000	94.75	-5.3	08	150.000	136.45	-9.0	09	200.000	187.34	-6.3

1,1-Dichloroethane (1,1-DCA)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.53	6.1	02	1.000	0.98	-2.3	03	2.000	2.07	3.6
04	5.000	5.15	3.0	05	20.000	19.27	-3.6	06	50.000	48.12	-3.8
07	100.000	99.41	-0.6	08	150.000	149.65	-0.2	09	200.000	195.82	-2.1

1,1-Dichloroethene (1,1-DCE)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.63	25.6	02	1.000	1.20	19.6	03	2.000	1.98	-0.9
04	5.000	4.93	-1.5	05	20.000	17.89	-10.6	06	50.000	44.79	-10.4
07	100.000	93.03	-7.0	08	150.000	138.14	-7.9	09	200.000	186.07	-7.0

1,1-Dichloropropene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.53	6.3	02	1.000	1.07	6.9	03	2.000	2.03	1.4
04	5.000	4.99	-0.2	05	20.000	19.09	-4.5	06	50.000	48.37	-3.3
07	100.000	99.96	0.0	08	150.000	145.33	-3.1	09	200.000	193.26	-3.4

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte

1,2,3-Trichlorobenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.64	27.1	02	1.000	1.08	8.4	03	2.000	1.90	-5.0
04	5.000	4.74	-5.1	05	20.000	18.06	-9.7	06	50.000	48.76	-2.5
07	100.000	98.23	-1.8	08	150.000	142.75	-4.8	09	200.000	186.92	-6.5

1,2,3-Trichloropropane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.59	17.4	02	1.000	0.99	-1.4	03	2.000	2.18	9.2
04	5.000	4.89	-2.2	05	20.000	18.43	-7.8	06	50.000	51.15	2.3
07	100.000	94.22	-5.8	08	150.000	146.82	-2.1	09	200.000	180.76	-9.6

1,2,4-Trichlorobenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.61	21.5	02	1.000	1.08	7.7	03	2.000	1.91	-4.6
04	5.000	4.81	-3.8	05	20.000	18.50	-7.5	06	50.000	48.80	-2.4
07	100.000	98.16	-1.8	08	150.000	144.69	-3.5	09	200.000	188.96	-5.5

1,2,4-Trimethylbenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.52	4.9	02	1.000	1.03	2.8	03	2.000	2.08	4.0
04	5.000	5.20	3.9	05	20.000	18.46	-7.7	06	50.000	49.57	-0.9
07	100.000	98.64	-1.4	08	150.000	145.97	-2.7	09	200.000	194.07	-3.0

1,2-Dibromo-3-chloropropane (DBCP)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
02	1.000	1.18	18.5	03	2.000	1.79	-10.6	04	5.000	4.67	-6.6
05	20.000	18.02	-9.9	06	50.000	51.73	3.5	07	100.000	100.15	0.2
08	150.000	158.95	6.0	09	200.000	198.12	-0.9				

1,2-Dibromoethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.47	-5.7	02	1.000	1.02	2.0	03	2.000	1.94	-2.9
04	5.000	5.22	4.4	05	20.000	19.53	-2.3	06	50.000	50.93	1.9
07	100.000	101.32	1.3	08	150.000	155.11	3.4	09	200.000	195.98	-2.0

1,2-Dichloro-1,1,2-trifluoroethane (CFC

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.49	-2.0	02	1.000	1.07	6.8	03	2.000	1.81	-9.5
04	5.000	5.67	13.3	05	20.000	17.28	-13.6	06	50.000	50.08	0.2
07	100.000	105.45	5.4	08	150.000	154.69	3.1	09	200.000	192.33	-3.8

1,2-Dichlorobenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.56	11.2	02	1.000	0.99	-0.6	03	2.000	1.92	-3.8
04	5.000	5.21	4.2	05	20.000	19.14	-4.3	06	50.000	49.69	-0.6
07	100.000	98.95	-1.1	08	150.000	148.42	-1.1	09	200.000	191.92	-4.0

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte

1,2-Dichloroethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.55	10.6	02	1.000	0.99	-1.1	03	2.000	1.90	-5.0
04	5.000	5.09	1.9	05	20.000	19.13	-4.4	06	50.000	50.19	0.4
07	100.000	99.83	-0.2	08	150.000	151.75	1.2	09	200.000	193.27	-3.4

1,2-Dichloroethane-d4

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
04	10.000	10.56	5.6	05	20.000	19.59	-2.1	07	50.000	50.08	0.2
08	100.000	101.66	1.7	09	200.000	189.31	-5.3				

1,2-Dichloropropane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.51	1.1	02	1.000	1.07	7.2	03	2.000	1.98	-1.0
04	5.000	5.14	2.8	05	20.000	18.51	-7.4	06	50.000	49.35	-1.3
07	100.000	100.89	0.9	08	150.000	149.95	0.0	09	200.000	195.55	-2.2

1,3,5-Trichlorobenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.53	5.3	02	1.000	1.03	2.9	03	2.000	2.06	3.1
04	5.000	4.94	-1.2	05	20.000	19.21	-4.0	06	50.000	48.74	-2.5
07	100.000	104.18	4.2	08	150.000	147.97	-1.4	09	200.000	187.07	-6.5

1,3,5-Trimethylbenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.54	8.9	02	1.000	1.03	3.0	03	2.000	2.10	4.8
04	5.000	5.34	6.8	05	20.000	17.95	-10.2	06	50.000	48.59	-2.8
07	100.000	98.68	-1.3	08	150.000	143.09	-4.6	09	200.000	191.18	-4.4

1,3-Dichlorobenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.56	11.0	02	1.000	1.01	1.3	03	2.000	2.01	0.3
04	5.000	5.27	5.4	05	20.000	18.44	-7.8	06	50.000	49.14	-1.7
07	100.000	97.35	-2.7	08	150.000	147.34	-1.8	09	200.000	191.82	-4.1

1,3-Dichloropropane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.48	-3.8	02	1.000	1.07	7.0	03	2.000	2.09	4.6
04	5.000	5.08	1.7	05	20.000	18.71	-6.5	06	50.000	50.30	0.6
07	100.000	99.27	-0.7	08	150.000	150.93	0.6	09	200.000	193.07	-3.5

1,4-Dichlorobenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.57	14.3	02	1.000	1.02	2.0	03	2.000	2.07	3.4
04	5.000	5.23	4.6	05	20.000	18.53	-7.4	06	50.000	48.42	-3.2
07	100.000	96.40	-3.6	08	150.000	142.85	-4.8	09	200.000	189.29	-5.4

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte

1,4-Dioxane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
02	20.000	18.66	-6.7	03	40.000	38.81	-3.0	04	100.000	99.09	-0.9
05	400.000	375.13	-6.2	06	1000.000	968.32	-3.2	07	2000.000	2,049.79	2.5
08	3000.000	3,325.38	10.8	09	4000.000	4,265.83	6.6				

1-Butanol

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
02	50.000	40.90	-18.2	03	100.000	92.28	-7.7	04	250.000	248.07	-0.8
05	1000.000	951.31	-4.9	06	2500.000	2,517.94	0.7	07	5000.000	5,368.76	7.4
08	7500.000	8,566.31	14.2	09	10000.000	10,925.36	9.3				

1-Chloro-4-(trifluoromethyl)benzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.56	12.1	02	1.000	1.09	8.5	03	2.000	1.98	-1.1
04	5.000	4.94	-1.2	05	20.000	17.81	-11.0	06	50.000	48.19	-3.6
07	100.000	106.49	6.5	08	150.000	145.79	-2.8	09	200.000	185.21	-7.4

2,2-Dichloro-1,1,1-trifluoroethane (CFC

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.59	18.1	02	1.000	0.97	-2.7	03	2.000	2.12	6.0
04	5.000	5.11	2.3	05	20.000	16.37	-18.1	06	50.000	46.19	-7.6
07	100.000	101.80	1.8	08	150.000	151.89	1.3	09	200.000	198.06	-1.0

2,2-Dichloropropane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.58	16.8	02	1.000	1.09	8.8	03	2.000	2.17	8.5
04	5.000	4.88	-2.4	05	20.000	18.56	-7.2	06	50.000	46.18	-7.6
07	100.000	96.73	-3.3	08	150.000	140.38	-6.4	09	200.000	185.65	-7.2

2,3,6-Trichlorotoluene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.53	5.3	02	1.000	0.95	-5.0	03	2.000	1.94	-3.1
04	5.000	5.02	0.5	05	20.000	18.93	-5.3	06	50.000	49.72	-0.6
07	100.000	108.19	8.2	08	150.000	154.98	3.3	09	200.000	193.22	-3.4

2,4,5-Trichlorotoluene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.44	-11.7	02	1.000	0.96	-4.0	03	2.000	2.07	3.6
04	5.000	4.84	-3.1	05	20.000	19.61	-2.0	06	50.000	50.26	0.5
07	100.000	111.23	11.2	08	150.000	158.72	5.8	09	200.000	199.27	-0.4

2,4-, 2,5-, and 2,6-Dichlorotoluene Coelut

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.500	1.55	3.1	02	3.000	2.92	-2.7	03	6.000	6.03	0.5
04	15.000	15.14	0.9	05	60.000	56.95	-5.1	06	150.000	150.47	0.3
07	300.000	320.82	6.9	08	450.000	452.51	0.6	09	600.000	573.04	-4.5

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	I

Analyte

2,4-Dichlorobenzotrifluoride

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.51	1.8	02	1.000	1.12	12.1	03	2.000	1.99	-0.4
04	5.000	5.03	0.7	05	20.000	18.34	-8.3	06	50.000	48.39	-3.2
07	100.000	104.40	4.4	08	150.000	147.42	-1.7	09	200.000	189.40	-5.3

2,5-Dichlorobenzotrifluoride

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.53	5.1	02	1.000	1.05	5.5	03	2.000	1.97	-1.6
04	5.000	5.20	4.1	05	20.000	18.67	-6.7	06	50.000	48.64	-2.7
07	100.000	106.28	6.3	08	150.000	148.34	-1.1	09	200.000	182.33	-8.8

2-Butanone (MEK)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.57	13.5	02	1.000	1.20	20.5	03	2.000	2.11	5.5
04	5.000	4.95	-1.0	05	20.000	18.52	-7.4	06	50.000	43.82	-12.4
07	100.000	92.00	-8.0	08	150.000	146.67	-2.2	09	200.000	183.07	-8.5

2-Chloro-1,3-butadiene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.63	26.0	02	1.000	1.13	13.0	03	2.000	1.98	-1.0
04	5.000	5.02	0.5	05	20.000	17.61	-11.9	06	50.000	42.63	-14.7
07	100.000	95.86	-4.1	08	150.000	144.20	-3.9	09	200.000	192.46	-3.8

2-Chlorobenzotrifluoride

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.57	13.1	02	1.000	1.02	1.8	03	2.000	1.97	-1.7
04	5.000	5.10	1.9	05	20.000	17.30	-13.5	06	50.000	48.62	-2.8
07	100.000	106.87	6.9	08	150.000	148.20	-1.2	09	200.000	190.89	-4.6

2-Chloroethyl Vinyl Ether

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.42	-15.8	02	1.000	0.96	-4.4	03	2.000	1.92	-4.1
04	5.000	4.94	-1.2	05	20.000	20.43	2.1	06	50.000	51.06	2.1
07	100.000	106.03	6.0	08	150.000	165.74	10.5	09	200.000	209.36	4.7

2-Chlorotoluene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.55	10.0	02	1.000	1.08	7.7	03	2.000	2.04	1.9
04	5.000	5.26	5.1	05	20.000	18.48	-7.6	06	50.000	49.26	-1.5
07	100.000	96.37	-3.6	08	150.000	141.98	-5.3	09	200.000	186.61	-6.7

2-Hexanone

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.55	9.5	02	1.000	1.07	6.9	03	2.000	2.01	0.4
04	5.000	4.99	-0.3	05	20.000	18.97	-5.1	06	50.000	47.53	-4.9
07	100.000	97.13	-2.9	08	150.000	150.45	0.3	09	200.000	192.32	-3.8

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte

2-Methyl-1-propanol

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	10.000	11.01	10.1	02	20.000	19.85	-0.8	03	40.000	37.46	-6.4
04	100.000	95.10	-4.9	05	400.000	355.26	-11.2	06	1000.000	970.91	-2.9
07	2000.000	2,012.57	0.6	08	3000.000	3,339.71	11.3	09	4000.000	4,160.36	4.0

2-Methyl-2-propanol

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	10.000	9.18	-8.2	02	20.000	18.31	-8.4	03	40.000	37.48	-6.3
04	100.000	102.45	2.4	05	400.000	377.43	-5.6	06	1000.000	983.52	-1.6
07	2000.000	2,068.89	3.4	08	3000.000	3,467.14	15.6	09	4000.000	4,348.97	8.7

2-Nitropropane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.83	-17.4	02	2.000	2.29	14.4	03	4.000	4.70	17.5
04	10.000	9.69	-3.1	05	40.000	36.04	-9.9	06	100.000	95.97	-4.0
07	200.000	195.07	-2.5	08	300.000	317.65	5.9	09	400.000	396.34	-0.9

2-Propanol

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	10.000	9.54	-4.6	02	20.000	18.72	-6.4	03	40.000	35.62	-11.0
04	100.000	101.68	1.7	05	400.000	383.43	-4.1	06	1000.000	1,007.95	0.8
07	2000.000	2,085.78	4.3	08	3000.000	3,345.28	11.5	09	4000.000	4,314.84	7.9

3,4- and 2,3-Dichlorotoluene Coelution

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.99	-1.5	02	2.000	2.01	0.5	03	4.000	4.05	1.1
04	10.000	10.15	1.5	05	40.000	38.70	-3.2	06	100.000	100.48	0.5
07	200.000	211.86	5.9	08	300.000	300.37	0.1	09	400.000	380.08	-5.0

3,4-Dichlorobenzotrifluoride

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.58	16.4	02	1.000	0.99	-1.4	03	2.000	1.97	-1.3
04	5.000	5.09	1.9	05	20.000	18.48	-7.6	06	50.000	49.03	-1.9
07	100.000	104.28	4.3	08	150.000	146.45	-2.4	09	200.000	184.12	-7.9

3-Chloro-1-propene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.59	18.3	02	1.000	1.08	8.3	03	2.000	1.99	-0.5
04	5.000	5.06	1.1	05	20.000	18.78	-6.1	06	50.000	46.55	-6.9
07	100.000	95.65	-4.3	08	150.000	143.83	-4.1	09	200.000	188.32	-5.8

3-Chlorobenzotrifluoride

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.51	2.6	02	1.000	1.00	-0.3	03	2.000	2.17	8.5
04	5.000	5.47	9.5	05	20.000	17.13	-14.3	06	50.000	48.58	-2.8
07	100.000	106.76	6.8	08	150.000	145.96	-2.7	09	200.000	185.62	-7.2

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte

3-Chlorotoluene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.57	13.5	02	1.000	0.97	-3.1	03	2.000	2.02	1.1
04	5.000	5.32	6.4	05	20.000	18.02	-9.9	06	50.000	49.58	-0.8
07	100.000	102.12	2.1	08	150.000	144.29	-3.8	09	200.000	189.12	-5.4

4-Bromofluorobenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
04	10.000	10.07	0.7	05	20.000	19.15	-4.2	07	50.000	50.96	1.9
08	100.000	103.05	3.0	09	200.000	197.21	-1.4				

4-Chlorotoluene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.52	5.0	02	1.000	0.98	-1.9	03	2.000	2.05	2.5
04	5.000	5.34	6.7	05	20.000	18.63	-6.8	06	50.000	50.58	1.2
07	100.000	100.68	0.7	08	150.000	148.10	-1.3	09	200.000	187.83	-6.1

4-Isopropyltoluene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.54	7.6	02	1.000	1.06	5.8	03	2.000	2.00	-0.2
04	5.000	5.43	8.7	05	20.000	17.90	-10.5	06	50.000	48.62	-2.8
07	100.000	98.04	-2.0	08	150.000	143.79	-4.1	09	200.000	195.01	-2.5

4-Methyl-2-pentanone

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.55	9.8	02	1.000	0.98	-1.5	03	2.000	2.03	1.6
04	5.000	5.02	0.3	05	20.000	19.64	-1.8	06	50.000	47.95	-4.1
07	100.000	98.53	-1.5	08	150.000	152.31	1.5	09	200.000	191.33	-4.3

Acetone

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
04	5.000	5.54	10.9	05	20.000	20.01	0.1	06	50.000	45.56	-8.9
07	100.000	95.08	-4.9	08	150.000	157.06	4.7	09	200.000	196.28	-1.9

Acetonitrile

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
03	10.000	12.47	24.7	04	25.000	24.60	-1.6	05	100.000	92.35	-7.7
06	250.000	229.06	-8.4	07	500.000	486.45	-2.7	08	750.000	746.60	-0.5
09	1000.000	961.41	-3.9								

Acrolein

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	2.500	2.61	4.3	02	5.000	5.09	1.7	03	10.000	9.11	-8.9
04	25.000	24.13	-3.5	05	100.000	99.87	-0.1	06	250.000	238.13	-4.7
07	500.000	510.60	2.1	08	750.000	799.21	6.6	09	1000.000	1,025.55	2.6

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	I

Analyte

Acrylonitrile

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	2.500	2.42	-3.4	02	5.000	4.73	-5.5	03	10.000	9.86	-1.4
04	25.000	24.91	-0.4	05	100.000	98.62	-1.4	06	250.000	249.79	-0.1
07	500.000	509.35	1.9	08	750.000	818.67	9.2	09	1000.000	1,009.96	1.0

Benzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.49	-2.4	02	1.000	1.05	4.6	03	2.000	2.00	-0.1
04	5.000	5.21	4.2	05	20.000	19.02	-4.9	06	50.000	49.76	-0.5
07	100.000	101.18	1.2	08	150.000	149.86	-0.1	09	200.000	195.95	-2.0

Bromobenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.56	12.4	02	1.000	1.04	3.7	03	2.000	1.99	-0.6
04	5.000	5.00	0.1	05	20.000	18.77	-6.1	06	50.000	50.29	0.6
07	100.000	97.65	-2.4	08	150.000	146.50	-2.3	09	200.000	189.29	-5.4

Bromochloromethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.49	-2.9	02	1.000	1.09	8.8	03	2.000	1.94	-3.2
04	5.000	5.12	2.5	05	20.000	19.47	-2.6	06	50.000	48.83	-2.3
07	100.000	99.42	-0.6	08	150.000	151.56	1.0	09	200.000	198.73	-0.6

Bromodichloromethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.56	12.9	02	1.000	1.05	4.9	03	2.000	1.97	-1.4
04	5.000	4.58	-8.4	05	20.000	18.71	-6.5	06	50.000	49.71	-0.6
07	100.000	99.86	-0.1	08	150.000	150.76	0.5	09	200.000	197.29	-1.4

Bromoform

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.46	-8.5	02	1.000	0.89	-11.2	03	2.000	1.88	-5.8
04	5.000	4.82	-3.7	05	20.000	18.83	-5.8	06	50.000	52.09	4.2
07	100.000	107.60	7.6	08	150.000	169.03	12.7	09	200.000	221.25	10.6

Bromomethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.42	-15.4	02	1.000	0.89	-10.9	03	2.000	2.24	12.0
04	5.000	5.71	14.1	05	20.000	20.51	2.5	06	50.000	50.32	0.6
07	100.000	92.89	-7.1	08	150.000	159.19	6.1				

Carbon Disulfide

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.56	11.2	02	1.000	1.09	8.5	03	2.000	1.98	-1.0
04	5.000	4.98	-0.4	05	20.000	18.31	-8.4	06	50.000	44.05	-11.9
07	100.000	98.64	-1.4	08	150.000	152.83	1.9	09	200.000	203.14	1.6

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte

Carbon Tetrachloride

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.53	5.3	02	1.000	1.18	18.3	03	2.000	1.99	-0.6
04	5.000	4.93	-1.3	05	20.000	17.79	-11.1	06	50.000	46.57	-6.9
07	100.000	99.99	0.0	08	150.000	145.72	-2.9	09	200.000	198.30	-0.9

Chlorobenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.53	5.8	02	1.000	1.03	3.0	03	2.000	2.08	4.1
04	5.000	5.21	4.3	05	20.000	18.78	-6.1	06	50.000	48.91	-2.2
07	100.000	97.99	-2.0	08	150.000	147.43	-1.7	09	200.000	189.75	-5.1

Chloroethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.56	12.8	02	1.000	1.07	7.0	03	2.000	2.04	2.0
04	5.000	5.24	4.8	05	20.000	18.61	-7.0	06	50.000	46.53	-6.9
07	100.000	98.87	-1.1	08	150.000	145.38	-3.1	09	200.000	182.96	-8.5

Chloroform

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.61	21.7	02	1.000	1.03	2.6	03	2.000	2.03	1.3
04	5.000	4.92	-1.6	05	20.000	18.69	-6.6	06	50.000	46.92	-6.2
07	100.000	95.64	-4.4	08	150.000	145.86	-2.8	09	200.000	191.55	-4.2

Chloromethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.53	5.8	02	1.000	0.99	-0.7	03	2.000	1.89	-5.3
04	5.000	4.70	-6.1	05	20.000	19.11	-4.4	06	50.000	48.61	-2.8
07	100.000	103.77	3.8	08	150.000	154.31	2.9	09	200.000	213.74	6.9

Cyclohexane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
02	1.000	1.05	4.9	03	2.000	2.34	17.1	04	5.000	5.47	9.5
05	20.000	15.52	-22.4	06	50.000	47.38	-5.2	07	100.000	100.24	0.2
08	150.000	148.96	-0.7	09	200.000	193.36	-3.3				

Cyclohexanone

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	10.000	9.26	-7.4	02	20.000	19.74	-1.3	03	40.000	40.86	2.2
04	100.000	111.17	11.2	05	400.000	386.01	-3.5	06	1000.000	960.21	-4.0
07	2000.000	1,974.54	-1.3	08	3000.000	3,187.41	6.2	09	4000.000	3,917.01	-2.1

Dibromochloromethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.45	-9.2	02	1.000	1.12	11.8	03	2.000	1.96	-1.8
04	5.000	4.88	-2.5	05	20.000	18.53	-7.3	06	50.000	50.29	0.6
07	100.000	102.67	2.7	08	150.000	157.40	4.9	09	200.000	201.72	0.9

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte

Dibromofluoromethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
04	10.000	10.52	5.2	05	20.000	19.70	-1.5	07	50.000	49.66	-0.7
08	100.000	101.11	1.1	09	200.000	191.72	-4.1				

Dibromomethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.42	-16.4	02	1.000	1.09	8.7	03	2.000	2.13	6.5
04	5.000	5.09	1.7	05	20.000	19.77	-1.1	06	50.000	49.77	-0.5
07	100.000	99.74	-0.3	08	150.000	154.49	3.0	09	200.000	196.93	-1.5

Dichlorodifluoromethane (CFC 12)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.49	-1.8	02	1.000	0.97	-3.4	03	2.000	1.79	-10.5
04	5.000	4.84	-3.1	05	20.000	20.17	0.8	06	50.000	50.55	1.1
07	100.000	107.17	7.2	08	150.000	154.12	2.7	09	200.000	213.83	6.9

Dichlorofluoromethane (CFC 21)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.58	15.4	02	1.000	1.07	7.4	03	2.000	2.16	7.8
04	5.000	4.95	-1.0	05	20.000	16.13	-19.3	06	50.000	46.02	-8.0
07	100.000	97.67	-2.3	08	150.000	150.35	0.2	09	200.000	199.61	-0.2

Dichloromethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.68	**35.4**	02	1.000	0.99	-1.0	03	2.000	2.05	2.6
04	5.000	4.92	-1.6	05	20.000	18.14	-9.3	06	50.000	45.86	-8.3
07	100.000	94.33	-5.7	08	150.000	141.84	-5.4	09	200.000	186.71	-6.6

Diethyl Ether

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.51	1.1	02	1.000	1.02	1.7	03	2.000	1.93	-3.7
04	5.000	5.06	1.2	05	20.000	19.43	-2.9	06	50.000	50.10	0.2
07	100.000	100.62	0.6	08	150.000	153.79	2.5	09	200.000	198.16	-0.9

Diisopropyl Ether

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.53	6.6	02	1.000	0.98	-1.9	03	2.000	1.94	-3.0
04	5.000	4.99	-0.3	05	20.000	19.34	-3.3	06	50.000	47.70	-4.6
07	100.000	103.54	3.5	08	150.000	153.27	2.2	09	200.000	201.40	0.7

Ethyl Methacrylate

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.52	3.9	02	1.000	0.96	-3.9	03	2.000	1.88	-6.0
04	5.000	4.78	-4.4	05	20.000	19.13	-4.4	06	50.000	50.68	1.4
07	100.000	103.30	3.3	08	150.000	161.99	8.0	09	200.000	204.22	2.1

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte

Ethyl tert-Butyl Ether

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.48	-4.7	02	1.000	1.07	7.5	03	2.000	1.97	-1.6
04	5.000	5.02	0.3	05	20.000	19.52	-2.4	06	50.000	47.36	-5.3
07	100.000	102.66	2.7	08	150.000	153.71	2.5	09	200.000	202.19	1.1

Ethylbenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.46	-8.3	02	1.000	1.10	9.9	03	2.000	2.01	0.3
04	5.000	5.43	8.7	05	20.000	18.36	-8.2	06	50.000	49.62	-0.8
07	100.000	100.85	0.8	08	150.000	148.72	-0.9	09	200.000	196.69	-1.7

Hexachlorobutadiene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
02	1.000	0.93	-7.2	03	2.000	2.25	12.5	04	5.000	5.38	7.5
05	20.000	18.47	-7.6	06	50.000	50.08	0.2	07	100.000	101.01	1.0
08	150.000	140.95	-6.0	09	200.000	199.45	-0.3				

Iodomethane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
04	5.000	5.05	1.1	05	20.000	18.92	-5.4	06	50.000	50.03	0.1
07	100.000	106.12	6.1	08	150.000	151.28	0.9	09	200.000	194.22	-2.9

Isopropylbenzene (Cumene)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.55	9.7	02	1.000	1.07	7.1	03	2.000	2.01	0.5
04	5.000	5.33	6.5	05	20.000	17.56	-12.2	06	50.000	47.86	-4.3
07	100.000	98.35	-1.7	08	150.000	144.92	-3.4	09	200.000	195.24	-2.4

Methacrylonitrile

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.48	-4.4	02	1.000	1.15	14.6	03	2.000	1.78	-11.1
04	5.000	5.13	2.6	05	20.000	18.77	-6.1	06	50.000	48.71	-2.6
07	100.000	99.90	-0.1	08	150.000	160.80	7.2	09	200.000	199.79	-0.1

Methyl Acetate

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.52	3.6	02	1.000	1.02	1.9	03	2.000	1.98	-1.0
04	5.000	4.87	-2.5	05	20.000	19.53	-2.4	06	50.000	50.31	0.6
07	100.000	99.58	-0.4	08	150.000	152.32	1.5	09	200.000	197.25	-1.4

Methyl Methacrylate

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.48	-4.9	02	1.000	1.11	10.6	03	2.000	2.05	2.3
04	5.000	4.75	-5.0	05	20.000	18.65	-6.7	06	50.000	49.43	-1.1
07	100.000	100.76	0.8	08	150.000	158.68	5.8	09	200.000	196.62	-1.7

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte

Methyl tert-Butyl Ether

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.49	-1.9	02	1.000	1.03	3.0	03	2.000	2.07	3.7
04	5.000	4.89	-2.1	05	20.000	19.60	-2.0	06	50.000	48.96	-2.1
07	100.000	99.87	-0.1	08	150.000	154.94	3.3	09	200.000	196.41	-1.8

Methylcyclohexane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.50	0.1	02	1.000	1.10	10.3	03	2.000	2.18	9.1
04	5.000	5.00	0.0	05	20.000	16.35	-18.2	06	50.000	48.03	-3.9
07	100.000	103.79	3.8	08	150.000	151.21	0.8	09	200.000	196.09	-2.0

Naphthalene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.49	-1.7	02	1.000	0.93	-6.8	03	2.000	1.98	-1.0
04	5.000	5.05	1.1	05	20.000	19.58	-2.1	06	50.000	52.44	4.9
07	100.000	103.99	4.0	08	150.000	155.64	3.8	09	200.000	195.97	-2.0

Propionitrile

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	2.500	2.87	14.9	02	5.000	4.68	-6.4	03	10.000	9.61	-3.9
04	25.000	23.32	-6.7	05	100.000	93.78	-6.2	06	250.000	241.31	-3.5
07	500.000	505.06	1.0	08	750.000	813.94	8.5	09	1000.000	1,023.17	2.3

Styrene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.52	3.1	02	1.000	1.02	1.6	03	2.000	1.93	-3.3
04	5.000	5.16	3.2	05	20.000	18.79	-6.1	06	50.000	49.71	-0.6
07	100.000	100.34	0.3	08	150.000	152.28	1.5	09	200.000	200.33	0.2

Tetrachloroethene (PCE)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.56	12.1	02	1.000	1.16	15.9	03	2.000	1.97	-1.5
04	5.000	5.14	2.7	05	20.000	17.56	-12.2	06	50.000	48.01	-4.0
07	100.000	97.39	-2.6	08	150.000	141.50	-5.7	09	200.000	190.63	-4.7

Tetrahydrofuran (THF)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
03	2.000	1.91	-4.3	04	5.000	5.07	1.4	05	20.000	19.60	-2.0
06	50.000	49.59	-0.8	07	100.000	101.91	1.9	08	150.000	156.35	4.2
09	200.000	199.09	-0.5								

Toluene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.54	7.2	02	1.000	1.03	3.5	03	2.000	1.96	-1.8
04	5.000	5.12	2.3	05	20.000	18.96	-5.2	06	50.000	49.07	-1.9
07	100.000	100.18	0.2	08	150.000	147.06	-2.0	09	200.000	195.36	-2.3

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte

Toluene-d8

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
04	10.000	10.73	7.3	05	20.000	19.91	-0.5	07	50.000	49.50	-1.0
08	100.000	100.39	0.4	09	200.000	187.50	-6.3				

Trichloroethene (TCE)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.55	10.4	02	1.000	1.06	6.5	03	2.000	2.19	9.3
04	5.000	5.33	6.5	05	20.000	18.48	-7.6	06	50.000	46.30	-7.4
07	100.000	94.80	-5.2	08	150.000	140.24	-6.5	09	200.000	187.98	-6.0

Trichlorofluoromethane (CFC 11)

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.52	3.9	02	1.000	1.11	10.8	03	2.000	1.87	-6.6
04	5.000	5.33	6.5	05	20.000	18.77	-6.1	06	50.000	47.52	-5.0
07	100.000	99.50	-0.5	08	150.000	144.50	-3.7	09	200.000	201.22	0.6

Vinyl Acetate

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.52	4.6	02	1.000	1.11	10.9	03	2.000	1.97	-1.6
04	5.000	4.42	-11.6	05	20.000	18.76	-6.2	06	50.000	49.27	-1.5
07	100.000	103.86	3.9	08	150.000	159.68	6.5	09	200.000	190.07	-5.0

Vinyl Chloride

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.47	-6.2	02	1.000	1.10	10.1	03	2.000	1.92	-4.2
04	5.000	5.23	4.6	05	20.000	19.41	-3.0	06	50.000	48.56	-2.9
07	100.000	99.34	-0.7	08	150.000	148.78	-0.8	09	200.000	206.04	3.0

cis-1,2-Dichloroethene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.66	**32.4**	02	1.000	1.00	-0.4	03	2.000	2.04	1.9
04	5.000	4.98	-0.4	05	20.000	18.47	-7.6	06	50.000	45.88	-8.2
07	100.000	94.53	-5.5	08	150.000	141.80	-5.5	09	200.000	186.60	-6.7

cis-1,3-Dichloropropene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.54	8.3	02	1.000	1.04	3.8	03	2.000	1.91	-4.6
04	5.000	4.81	-3.9	05	20.000	18.94	-5.3	06	50.000	50.37	0.7
07	100.000	101.26	1.3	08	150.000	152.54	1.7	09	200.000	195.94	-2.0

m,p-Xylenes

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	1.000	0.96	-3.9	02	2.000	2.25	12.3	03	4.000	3.91	-2.2
04	10.000	10.61	6.1	05	40.000	37.30	-6.8	06	100.000	99.64	-0.4
07	200.000	199.66	-0.2	08	300.000	292.60	-2.5	09	400.000	389.54	-2.6

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte

n-Butyl Acetate

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.44	-12.0	02	1.000	0.94	-5.8	03	2.000	1.90	-4.9
04	5.000	5.12	2.4	05	20.000	19.30	-3.5	06	50.000	53.65	7.3
07	100.000	106.28	6.3	08	150.000	161.01	7.3	09	200.000	205.88	2.9

n-Butylbenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.59	18.6	02	1.000	1.02	1.6	03	2.000	2.07	3.5
04	5.000	5.04	0.9	05	20.000	17.83	-10.8	06	50.000	47.80	-4.4
07	100.000	97.46	-2.5	08	150.000	142.25	-5.2	09	200.000	196.78	-1.6

n-Heptane

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
02	1.000	1.30	29.9	03	2.000	2.12	6.2	04	5.000	5.00	0.0
05	20.000	18.06	-9.7	06	50.000	47.06	-5.9	07	100.000	97.27	-2.7
08	150.000	133.68	-10.9	09	200.000	186.16	-6.9				

n-Propylbenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.57	13.3	02	1.000	1.06	5.8	03	2.000	2.03	1.4
04	5.000	5.36	7.2	05	20.000	17.94	-10.3	06	50.000	48.87	-2.3
07	100.000	97.57	-2.4	08	150.000	141.32	-5.8	09	200.000	186.27	-6.9

o-Xylene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.56	12.2	02	1.000	1.03	2.8	03	2.000	1.91	-4.6
04	5.000	5.39	7.7	05	20.000	18.34	-8.3	06	50.000	48.64	-2.7
07	100.000	99.33	-0.7	08	150.000	145.43	-3.0	09	200.000	193.26	-3.4

sec-Butylbenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.54	8.3	02	1.000	1.09	9.2	03	2.000	2.07	3.5
04	5.000	5.35	7.0	05	20.000	17.65	-11.8	06	50.000	48.55	-2.9
07	100.000	97.77	-2.2	08	150.000	140.81	-6.1	09	200.000	189.96	-5.0

tert-Amyl Methyl Ether

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.53	5.6	02	1.000	0.90	-10.0	03	2.000	1.99	-0.5
04	5.000	5.20	4.1	05	20.000	19.67	-1.7	06	50.000	49.54	-0.9
07	100.000	102.51	2.5	08	150.000	153.40	2.3	09	200.000	197.15	-1.4

tert-Butylbenzene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.53	5.9	02	1.000	1.05	5.0	03	2.000	2.10	5.1
04	5.000	5.39	7.9	05	20.000	17.71	-11.4	06	50.000	49.10	-1.8
07	100.000	98.36	-1.6	08	150.000	142.43	-5.0	09	200.000	192.03	-4.0

Initial Calibration - Detailed Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Signal ID:	1

Analyte

trans-1,2-Dichloroethene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.56	12.8	02	1.000	1.13	13.2	03	2.000	2.05	2.3
04	5.000	5.07	1.5	05	20.000	18.26	-8.7	06	50.000	46.32	-7.4
07	100.000	96.27	-3.7	08	150.000	141.89	-5.4	09	200.000	190.84	-4.6

trans-1,3-Dichloropropene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.50	0.8	02	1.000	0.94	-6.0	03	2.000	1.90	-4.9
04	5.000	4.78	-4.4	05	20.000	19.24	-3.8	06	50.000	51.79	3.6
07	100.000	105.14	5.1	08	150.000	160.00	6.7	09	200.000	205.85	2.9

trans-1,4-Dichloro-2-butene

#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D	#	Amount	Calculated Conc	%D
01	0.500	0.51	3.0	02	1.000	0.89	-11.4	03	2.000	2.12	5.8
04	5.000	4.68	-6.4	05	20.000	18.26	-8.7	06	50.000	50.46	0.9
07	100.000	103.25	3.2	08	150.000	164.50	9.7	09	200.000	207.78	3.9

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 15:23:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

FJ 2/5/16
KB 2/5/16

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.665	168	283040	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.714	114	402429	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.957	117	342499	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	180875	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.519	113	26129	10.58	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 21.16%#				
46) surr1,1,2-dichloroetha...	6.031	65	35514	11.51	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 23.02%#				
64) SURR3,Toluene-d8	8.488	98	106649	11.32	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 22.64%#				
69) SURR2,BFB	11.018	95	40350	11.06	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 22.12%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	1655	0.46	ug/L		95
3) Chloromethane	1.294	50	2682	0.44	ug/L		88
4) Vinyl Chloride	1.373	62	1886	0.47	ug/L		67
5) Bromomethane	1.617	94	1568m	0.61	ug/L		
6) Chloroethane	1.696	64	1221	0.57	ug/L		74
7) Freon 21	1.861	67	2775	0.61	ug/L		74
8) Trichlorofluoromethane	1.910	101	1672	0.49	ug/L	#	70
9) Diethyl Ether	2.160	59	1489	0.45	ug/L		79
10) Freon 123a	2.172	67	2203	0.65	ug/L		88
11) Freon 123	2.221	83	1880	0.51	ug/L		89
12) Acrolein	2.263	56	2131	2.06	ug/L	#	50
13) 1,1-Diclethene	2.361	96	1408	0.58	ug/L	#	62
14) Freon 113	2.367	101	1274	0.54	ug/L		82
15) Acetone	2.416	43	2275	0.93	ug/L	#	76
16) 2-Propanol	2.562	45	4107	10.08	ug/L	#	56
17) Iodomethane	2.495	142	494	1.33	ug/L		80
18) Carbon Disulfide	2.562	76	3691	0.56	ug/L		92
19) Acetonitrile	2.678	40	745	1.49	ug/L	#	35
20) Allyl Chloride	2.714	76	711	0.56	ug/L		95
21) Methyl Acetate	2.745	43	2233	0.44	ug/L		90
22) Methylene Chloride	2.849	84	1896	0.60	ug/L	#	52
23) TBA	3.001	59	5495	11.17	ug/L	#	55
24) Acrylonitrile	3.123	53	4624	2.10	ug/L		94
25) Methyl-t-Butyl Ether	3.184	73	4402	0.50	ug/L		91
26) trans-1,2-Dichloroethene	3.172	96	1356	0.51	ug/L	#	61
27) 1,1-Diclethane	3.708	63	2527m	0.47	ug/L		
28) Vinyl Acetate	3.830	86	314m	0.79	ug/L		
29) DIPE	3.848	45	6462	0.47	ug/L		74
30) 2-Chloro-1,3-Butadiene	3.842	53	3550m	0.58	ug/L		
31) ETBE	4.434	59	4954	0.52	ug/L		80
32) 2,2-Dichloropropane	4.604	77	2105m	0.72	ug/L		
33) cis-1,2-Dichloroethene	4.623	96	1855m	0.61	ug/L		
34) 2-Butanone	4.714	43	1662	0.52	ug/L		58
35) Propionitrile	4.775	54	2324	2.66	ug/L		59

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 15:23:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
36) Bromochloromethane	5.062	130	880m	0.46 ug/L		
37) Methacrylonitrile	5.049	67	778	0.46 ug/L	#	83
38) Tetrahydrofuran	5.153	42	1441	0.71 ug/L		96
39) Chloroform	5.232	83	2685m	0.57 ug/L		
40) 1,1,1-Trichloroethane	5.513	97	1988	0.61 ug/L		95
42) Cyclohexane	5.586	41	2025	0.56 ug/L		92
44) Carbontetrachloride	5.781	121	483	0.69 ug/L		90
45) 1,1-Dichloropropene	5.799	75	1642	0.51 ug/L	#	64
47) Benzene	6.104	78	4882	0.47 ug/L		81
48) 1,2-Dichloroethane	6.147	62	2182	0.52 ug/L		96
49) Iso-Butyl Alcohol	6.134	43	3534	15.37 ug/L		84
50) TAME	6.342	73	4544	0.67 ug/L		88
51) n-Heptane	6.580	43	3451	0.63 ug/L		87
52) 1-Butanol	7.079	56	2955	36.14 ug/L		93
53) Trichloroethene	7.031	130	1491	0.55 ug/L		87
54) Methylcyclohexane	7.250	55	1991	0.49 ug/L		92
55) 1,2-Diclpropane	7.305	63	1479	0.51 ug/L		95
56) Dibromomethane	7.445	93	694	0.40 ug/L	#	79
57) 1,4-Dioxane	7.524	88	415	7.56 ug/L	#	59
58) Methyl Methacrylate	7.531	69	1209	0.53 ug/L		89
59) Bromodichloromethane	7.671	83	1877	0.64 ug/L		85
60) 2-Nitropropane	7.951	41	1043	1.71 ug/L	#	71
61) 2-Chloroethylvinyl Ether	8.073	63	796	0.41 ug/L	#	57
62) cis-1,3-Dichloropropene	8.201	75	2393	0.81 ug/L		94
63) 4-Methyl-2-pentanone	8.402	43	2837	0.57 ug/L		82
65) Toluene	8.561	91	5686	0.54 ug/L		85
66) trans-1,3-Dichloropropene	8.829	75	2020	0.84 ug/L		83
67) Ethyl Methacrylate	8.963	69	2301m	0.75 ug/L		
68) 1,1,2-Trichloroethane	9.006	97	1245m	0.51 ug/L		
71) Tetrachloroethene	9.146	164	1115	0.58 ug/L	#	86
72) 2-Hexanone	9.299	43	2082	0.58 ug/L		91
73) 1,3-Dichloropropane	9.177	76	2019	0.48 ug/L		83
74) Dibromochloromethane	9.402	129	1212m	0.73 ug/L		
75) N-Butyl Acetate	9.457	43	3171	0.47 ug/L		91
76) 1,2-Dibromoethane	9.500	107	1236	0.50 ug/L	#	54
77) 3-Chlorobenzotrifluoride	10.000	180	2097	0.59 ug/L		90
78) Chlorobenzene	9.981	112	3713	0.55 ug/L		95
79) 4-Chlorobenzotrifluoride	10.054	180	2063	0.65 ug/L		77
80) 1,1,1,2-Tetrachloroethane	10.067	131	1316	0.63 ug/L	#	76
81) Ethylbenzene	10.103	106	1653	0.48 ug/L	#	83
82) (m+p)Xylene	10.213	106	4376	1.02 ug/L		85
83) o-Xylene	10.567	106	2646	0.62 ug/L	#	82
84) Styrene	10.579	104	4128	0.58 ug/L		85
85) Bromoform	10.725	173	899	0.79 ug/L		95
86) 2-Chlorobenzotrifluoride	10.810	180	2295	0.66 ug/L		98
87) Isopropylbenzene	10.896	105	6521	0.62 ug/L		93
88) Cyclohexanone	10.957	55	6718	9.39 ug/L		82
89) trans-1,4-Dichloro-2-B...	11.207	53	730	0.57 ug/L		93
91) 1,1,2,2-Tetrachloroethane	11.152	83	2157	0.60 ug/L		87
92) Bromobenzene	11.140	156	1673	0.58 ug/L	#	76
93) 1,2,3-Trichloropropane	11.182	110	674	0.63 ug/L	#	76

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

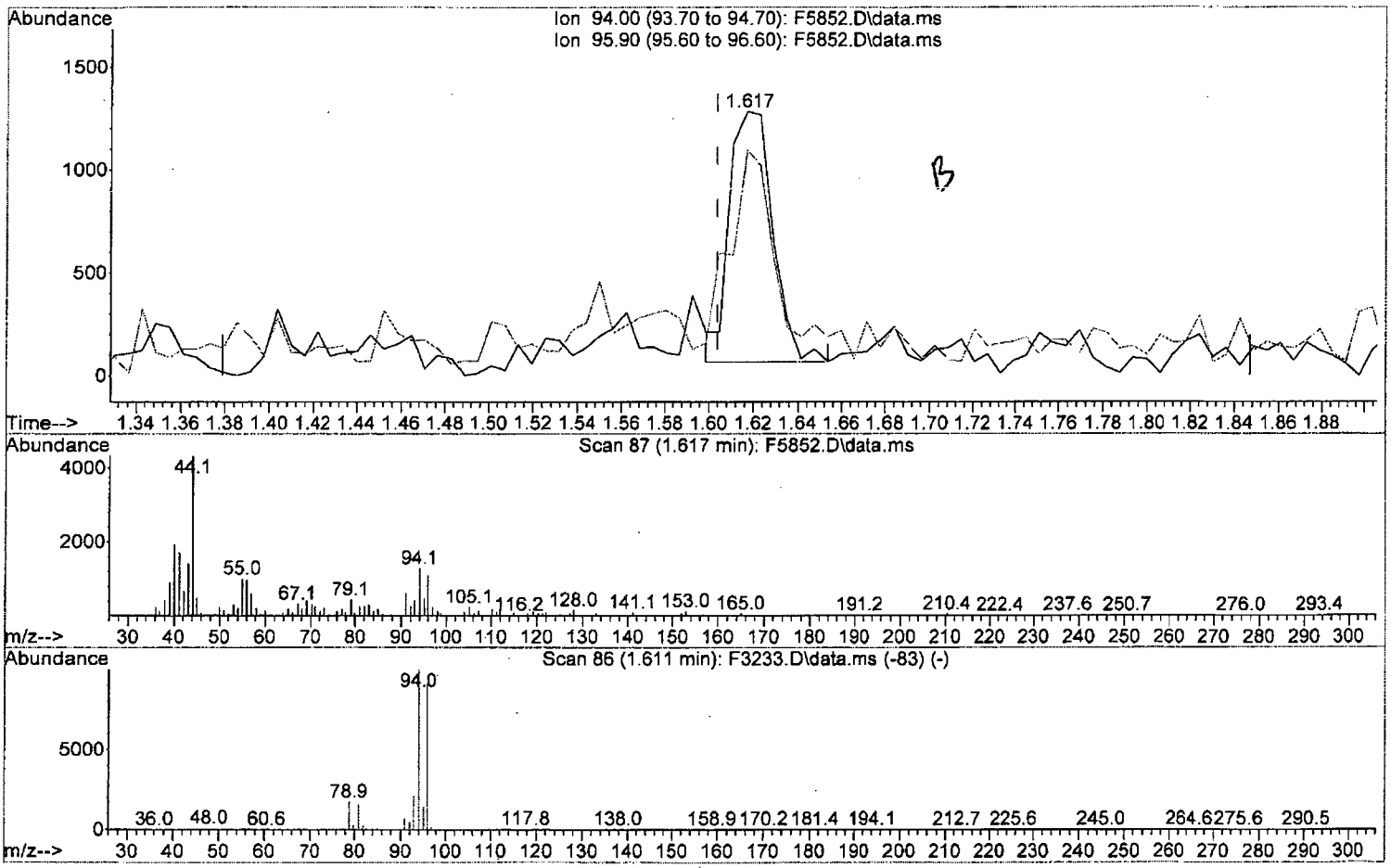
Quant Time: Feb 04 15:23:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
94)	n-Propylbenzene	11.249	91	7565	0.56	ug/L		88
95)	2-Chlorotoluene	11.316	91	4295	0.56	ug/L		90
96)	3-Chlorotoluene	11.365	91	4806	0.60	ug/L		80
97)	4-Chlorotoluene	11.402	91	4723	0.52	ug/L		87
98)	1,3,5-Trimethylbenzene	11.402	105	5158	0.60	ug/L		91
99)	tert-Butylbenzene	11.676	119	4338	0.55	ug/L		85
100)	1,2,4-Trimethylbenzene	11.713	105	5139	0.56	ug/L		95
101)	3,4-Dichlorobenzotrifl...	11.768	214	1847	0.66	ug/L		87
102)	sec-Butylbenzene	11.853	105	6529	0.57	ug/L		97
103)	p-Isopropyltoluene	11.975	119	5238	0.56	ug/L		93
104)	1,3-Dclbenz	11.932	146	3142	0.57	ug/L	#	79
105)	1,4-Dclbenz	12.011	146	3378	0.60	ug/L		93
106)	2,4-Dichlorobenzotrifl...	12.060	214	1462	0.58	ug/L		86
107)	2,5-Dichlorobenzotrifl...	12.103	214	1702	0.60	ug/L		91
108)	n-Butylbenzene	12.304	91	5323	0.59	ug/L		82
109)	1,2-Dclbenz	12.310	146	3148	0.57	ug/L		94
110)	1,2-Dibromo-3-chloropr...	12.932	157	313	0.44	ug/L		78
111)	Trielution Dichlorotol...	13.048	125	7931	1.65	ug/L		99
112)	1,3,5-Trichlorobenzene	13.103	180	2289	0.55	ug/L		92
113)	Coelution Dichlorotoluene	13.377	125	5649	1.05	ug/L		95
114)	1,2,4-Tcbenzene	13.584	180	2507	0.65	ug/L		87
115)	Hexachlorobt	13.718	225	1365	0.83	ug/L	#	83
116)	Naphthalen	13.773	128	6193	0.53	ug/L		91
117)	1,2,3-Tclbenzene	13.962	180	2709	0.68	ug/L		93
118)	2,4,5-Trichlorotoluene	14.547	159	1416	0.49	ug/L		92
119)	2,3,6-Trichlorotoluene	14.633	159	1533	0.58	ug/L		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 12:28:08 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(5) Bromomethane (P)

1.617min (+0.013) 0.64 ug/L

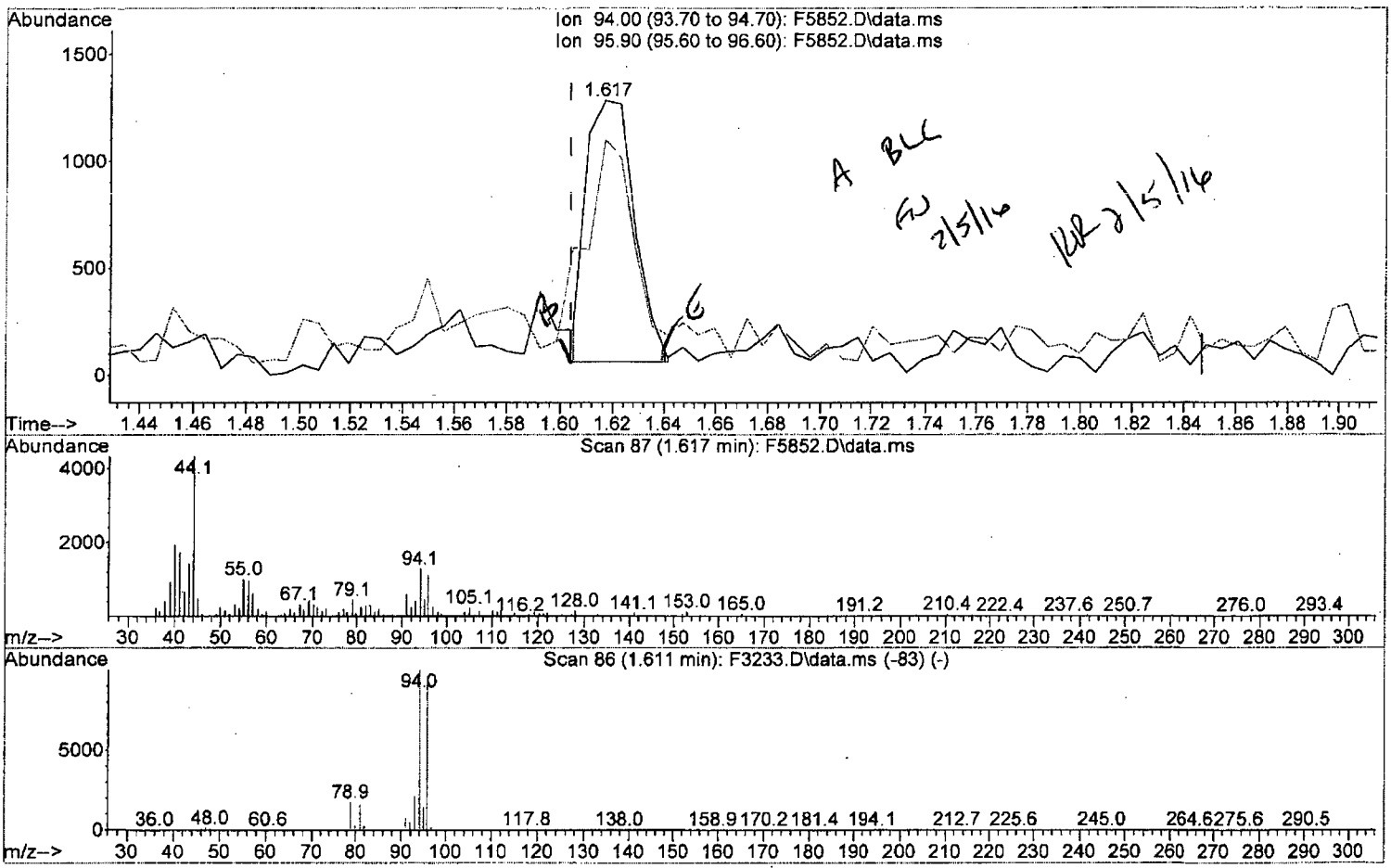
response 1635

Ion	Exp%	Act%
94.00	100	100
95.90	91.00	85.64
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 15:23:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(5) Bromomethane (P)

1.617min (+0.013) 0.61 ug/L m

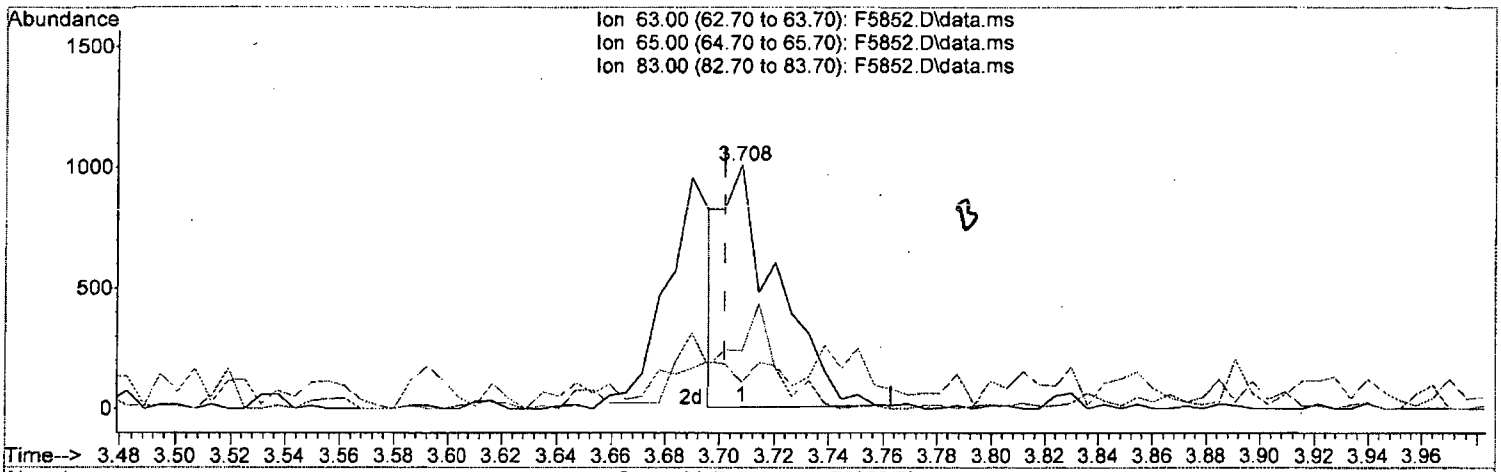
response 1568

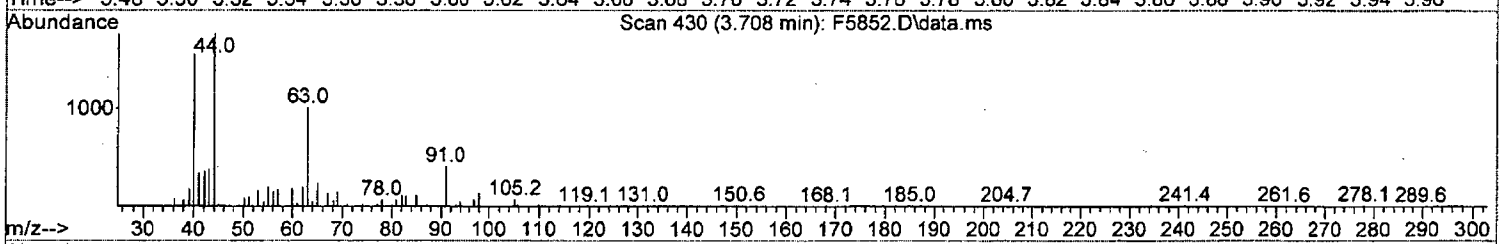
Ion	Exp%	Act%
94.00	100	100
95.90	91.00	85.64
0.00	0.00	0.00
0.00	0.00	0.00

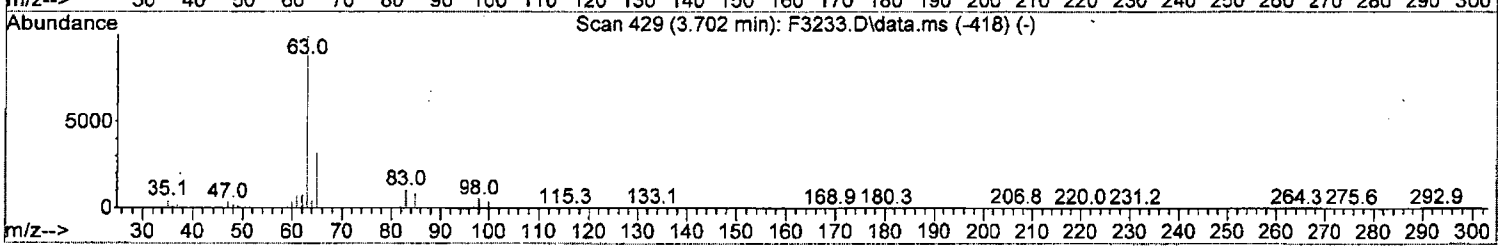
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration







TIC: F5852.D\data.ms

(27) 1,1-Diclethane (P)

3.708min (+0.006) 0.26 ug/L

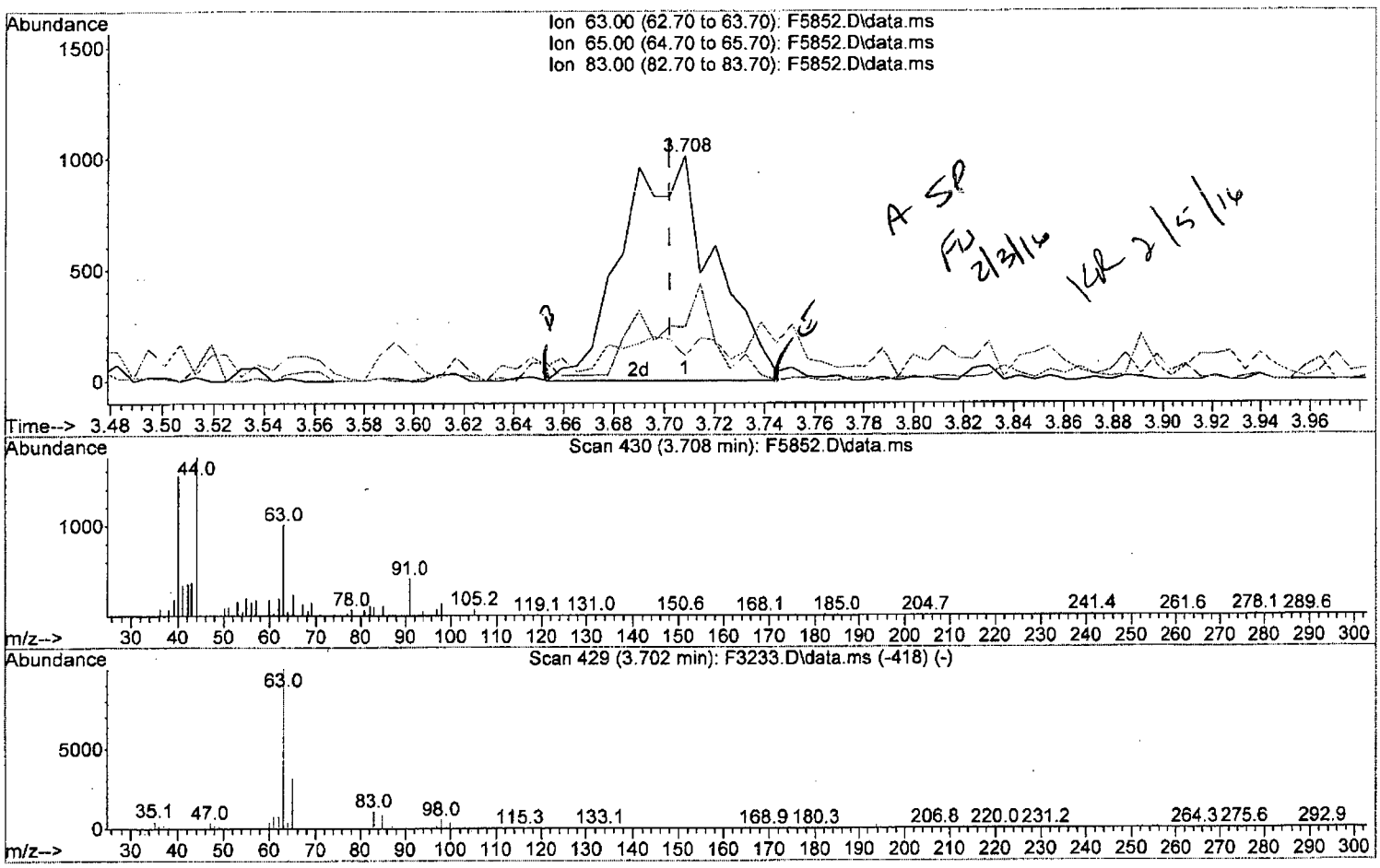
response 1394

Ion	Exp%	Act%
63.00	100	100
65.00	31.70	23.69
83.00	10.60	10.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(27) 1,1-Diclethane (P)

3.708min (+0.006) 0.47 ug/L m

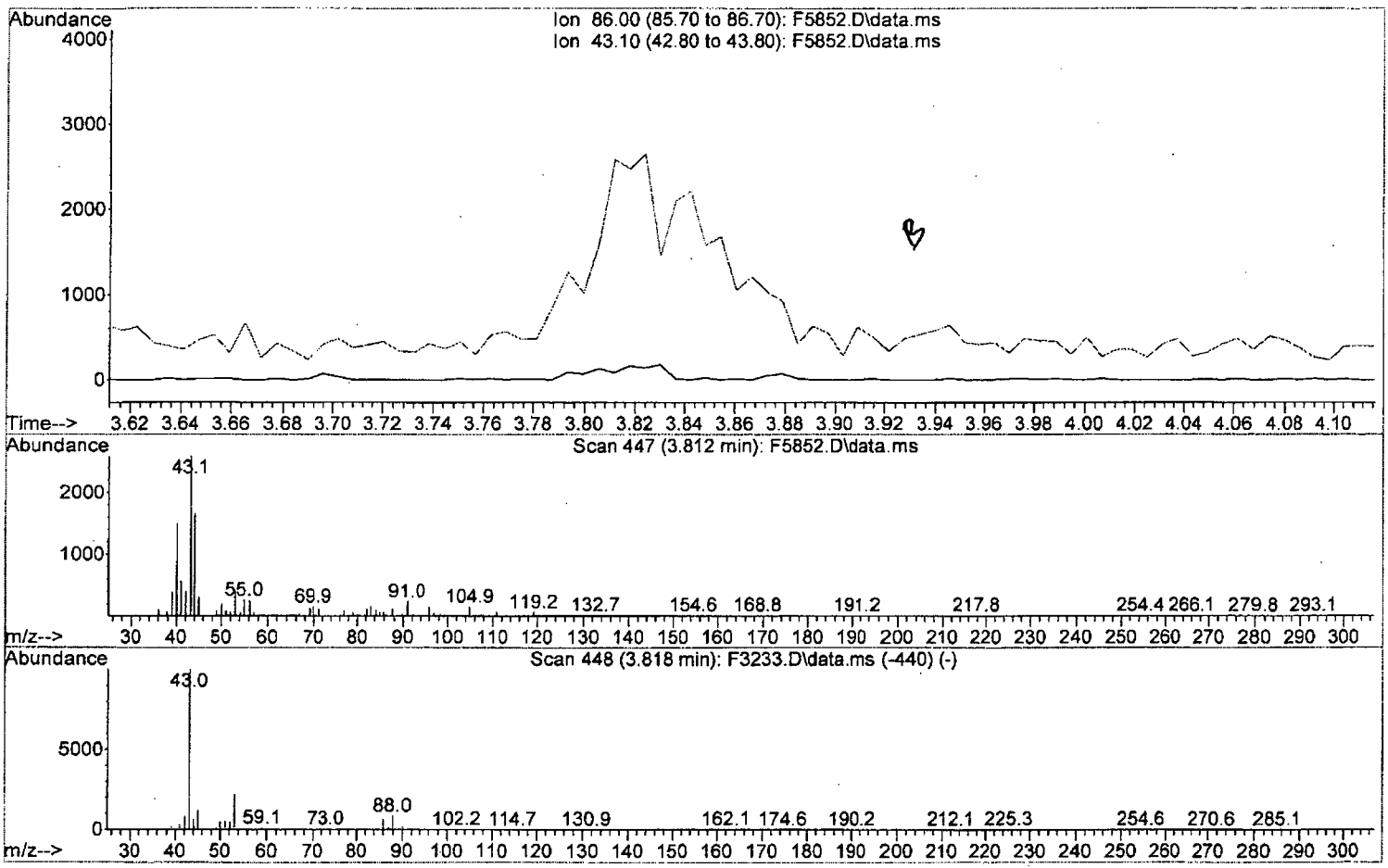
response 2527

Ion	Exp%	Act%
63.00	100	100
65.00	31.70	23.69
83.00	10.60	10.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(28) Vinyl Acetate

3.811min (-3.811) 0.00 ug/L

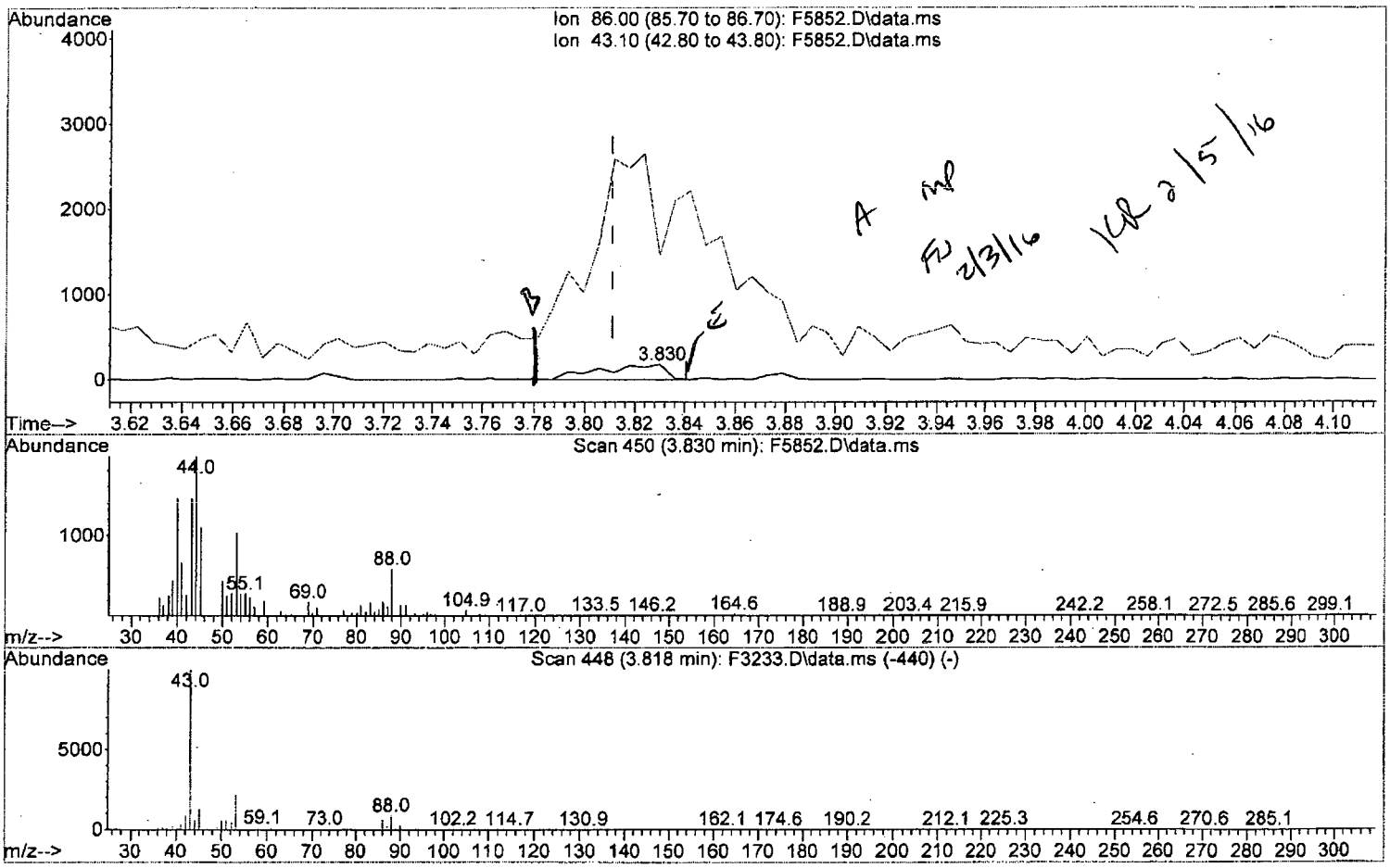
response 0

Ion	Exp%	Act%
86.00	100	0.00
43.10	1588.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(28) Vinyl Acetate

3.830min (+0.019) 0.79 ug/L m

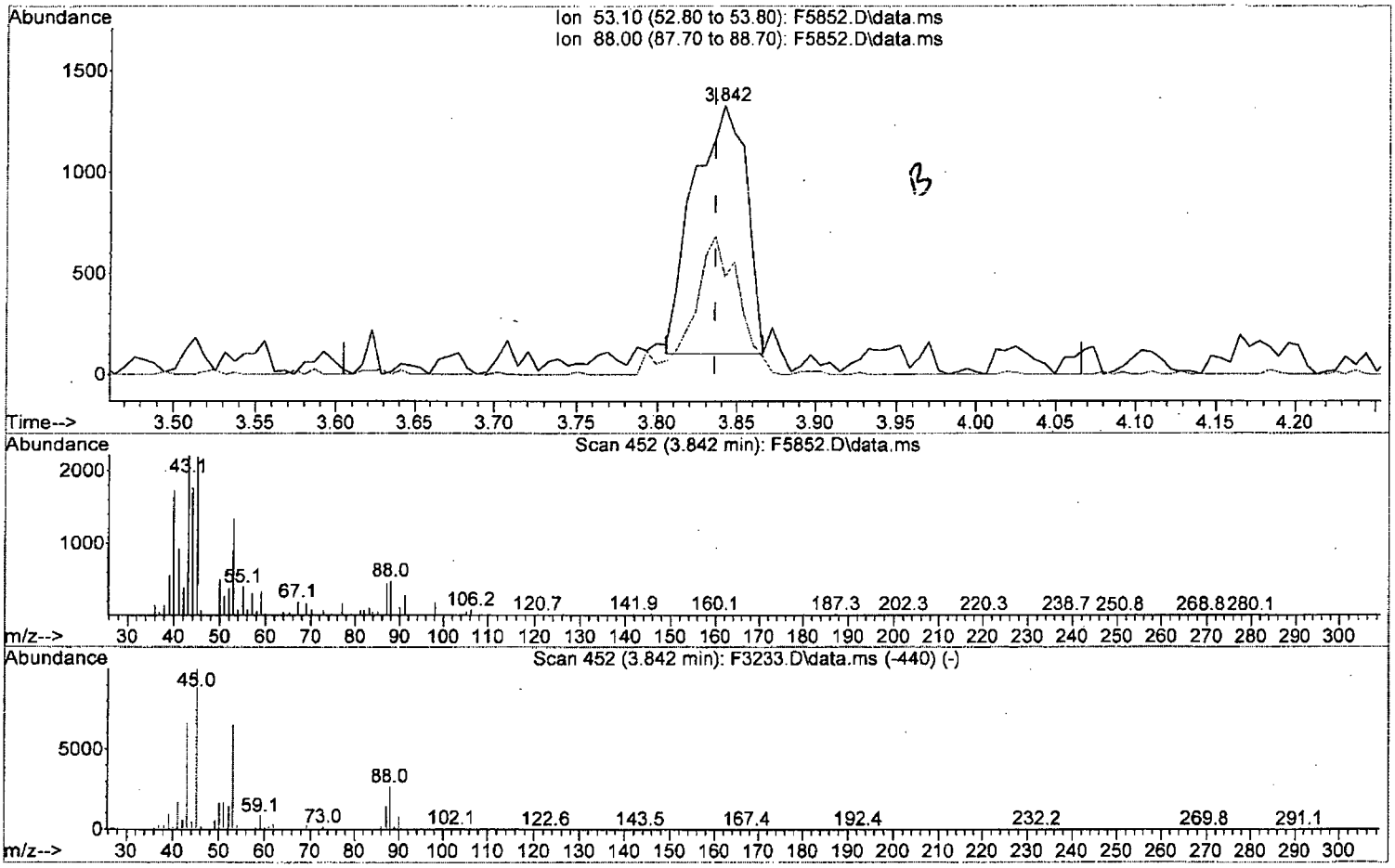
response 314

Ion	Exp%	Act%
86.00	100	100
43.10	1588.80	829.71#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.842min (+0.006) 0.47 ug/L

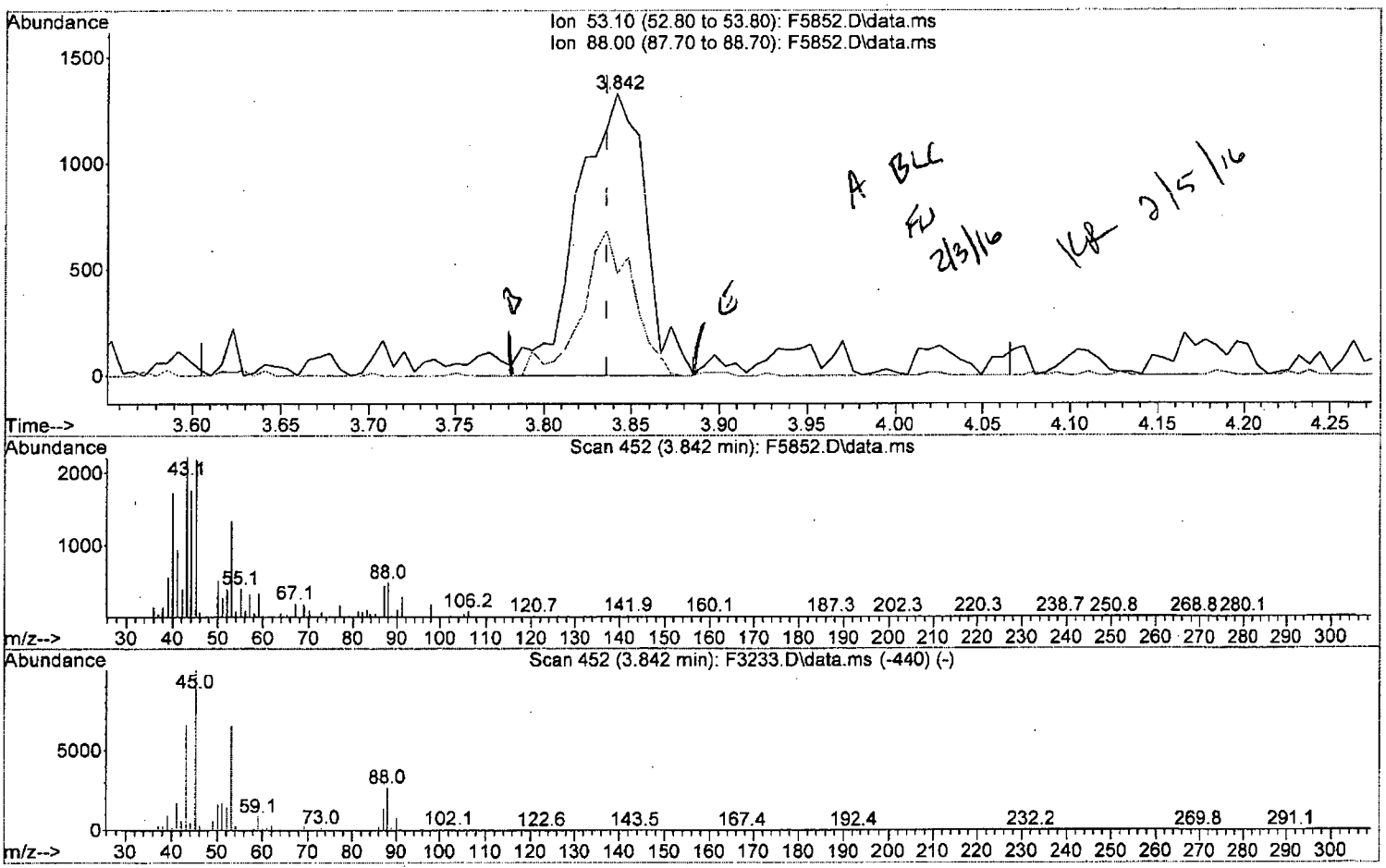
response 2854

Ion	Exp%	Act%
53.10	100	100
88.00	40.40	36.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(30) 2-Chloro-1,3-Butadiene

3.842min (+0.006) 0.58 ug/L m

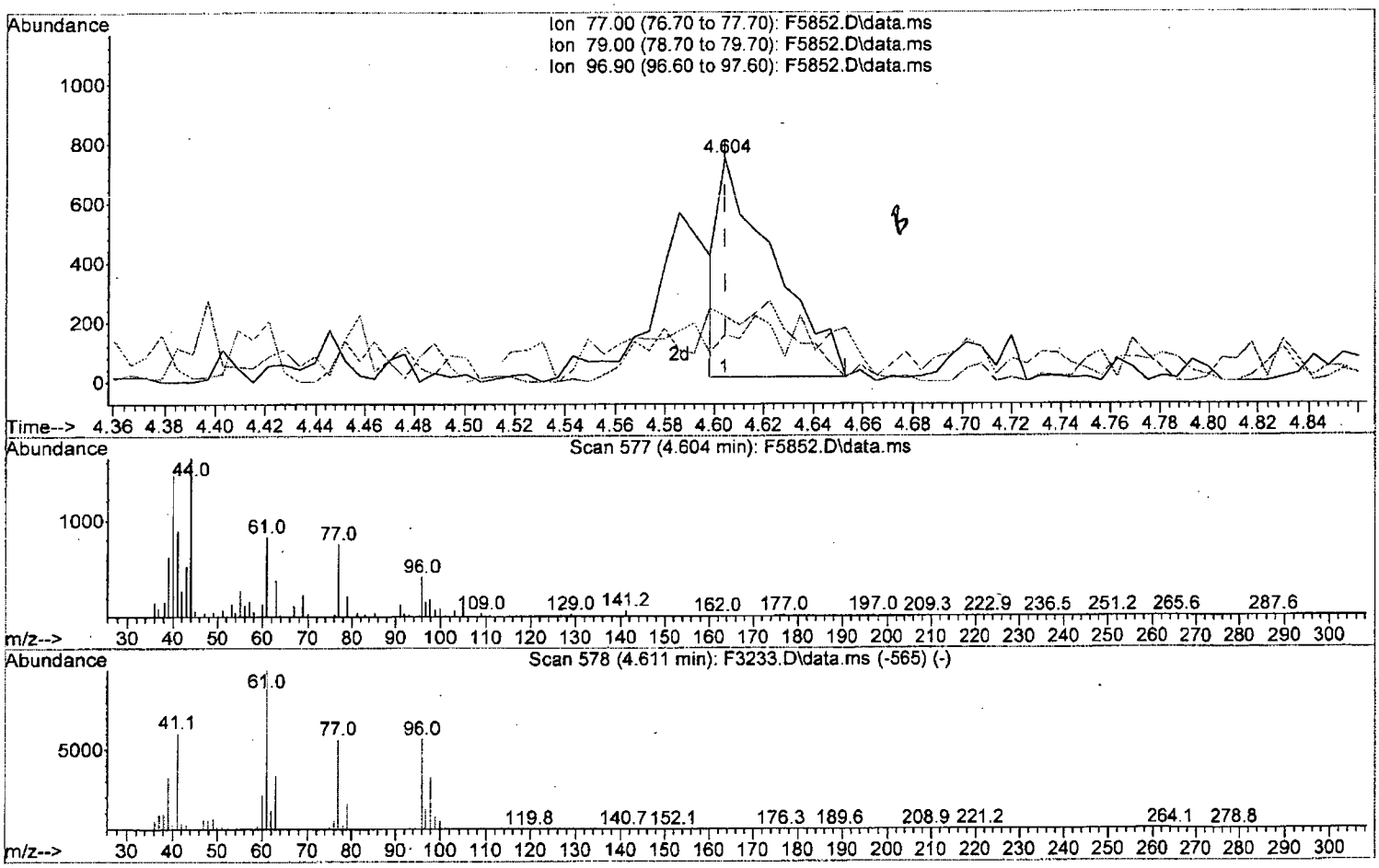
response 3550

Ion	Exp%	Act%
53.10	100	100
88.00	40.40	36.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(32) 2,2-Dichloropropane

4.604min (-0.000) 0.39 ug/L

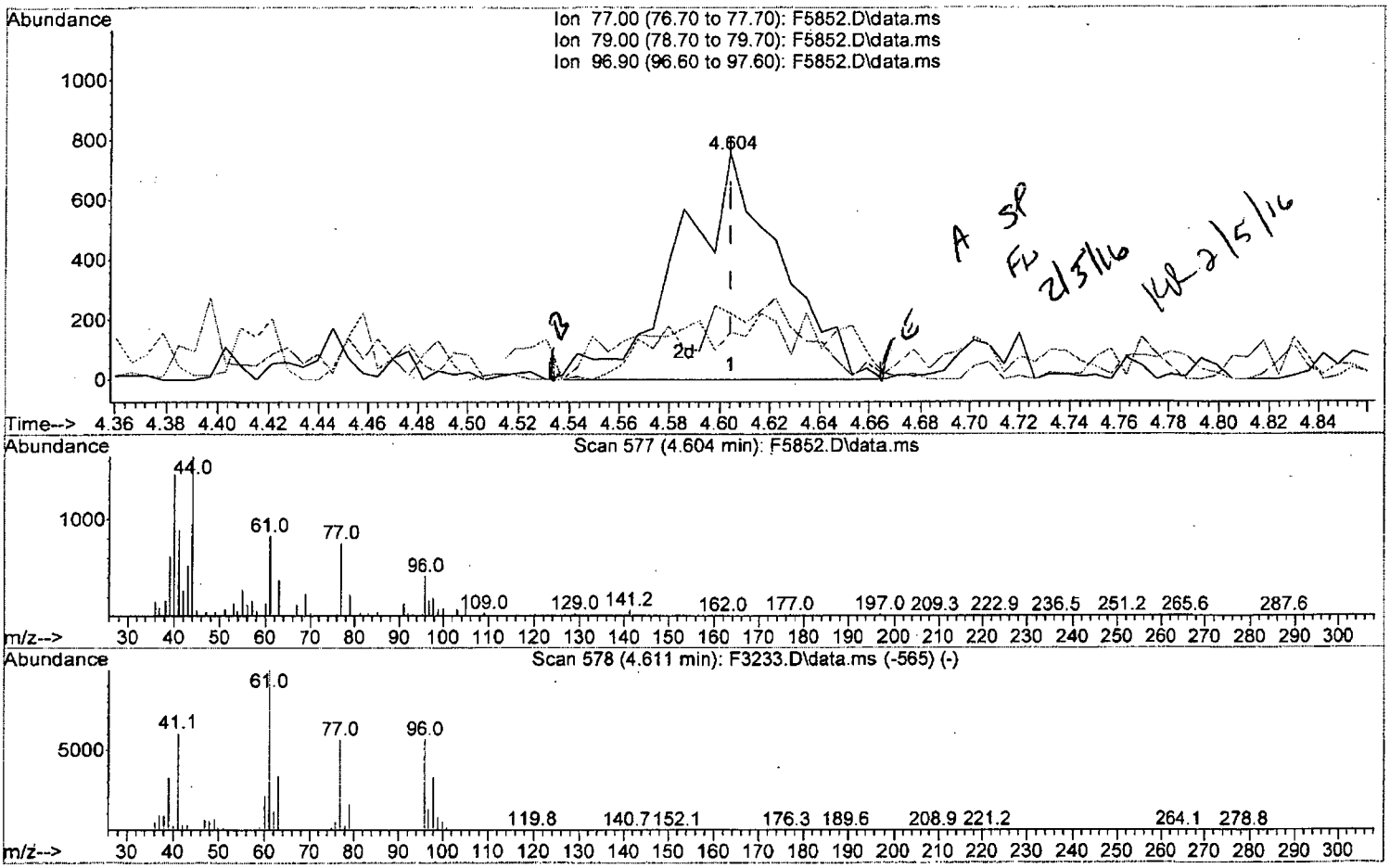
response 1129

Ion	Exp%	Act%
77.00	100	100
79.00	28.90	29.35
96.90	22.20	20.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(32) 2,2-Dichloropropane

4.604min (-0.000) 0.72 ug/L m

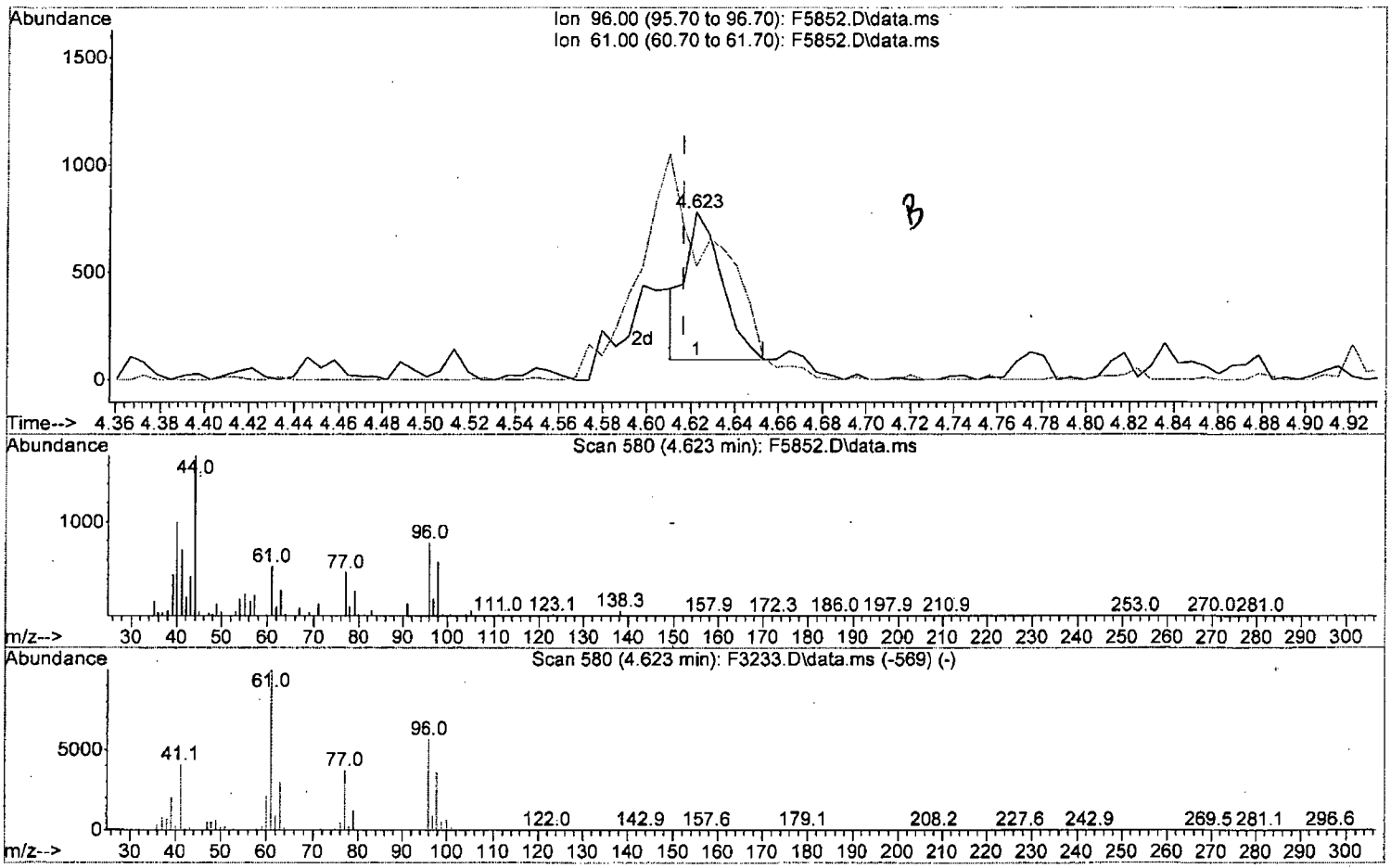
response 2105

Ion	Exp%	Act%
77.00	100	100
79.00	28.90	29.35
96.90	22.20	20.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(33) cis-1,2-Dichloroethene (P)

4.623min (+0.006) 0.26 ug/L

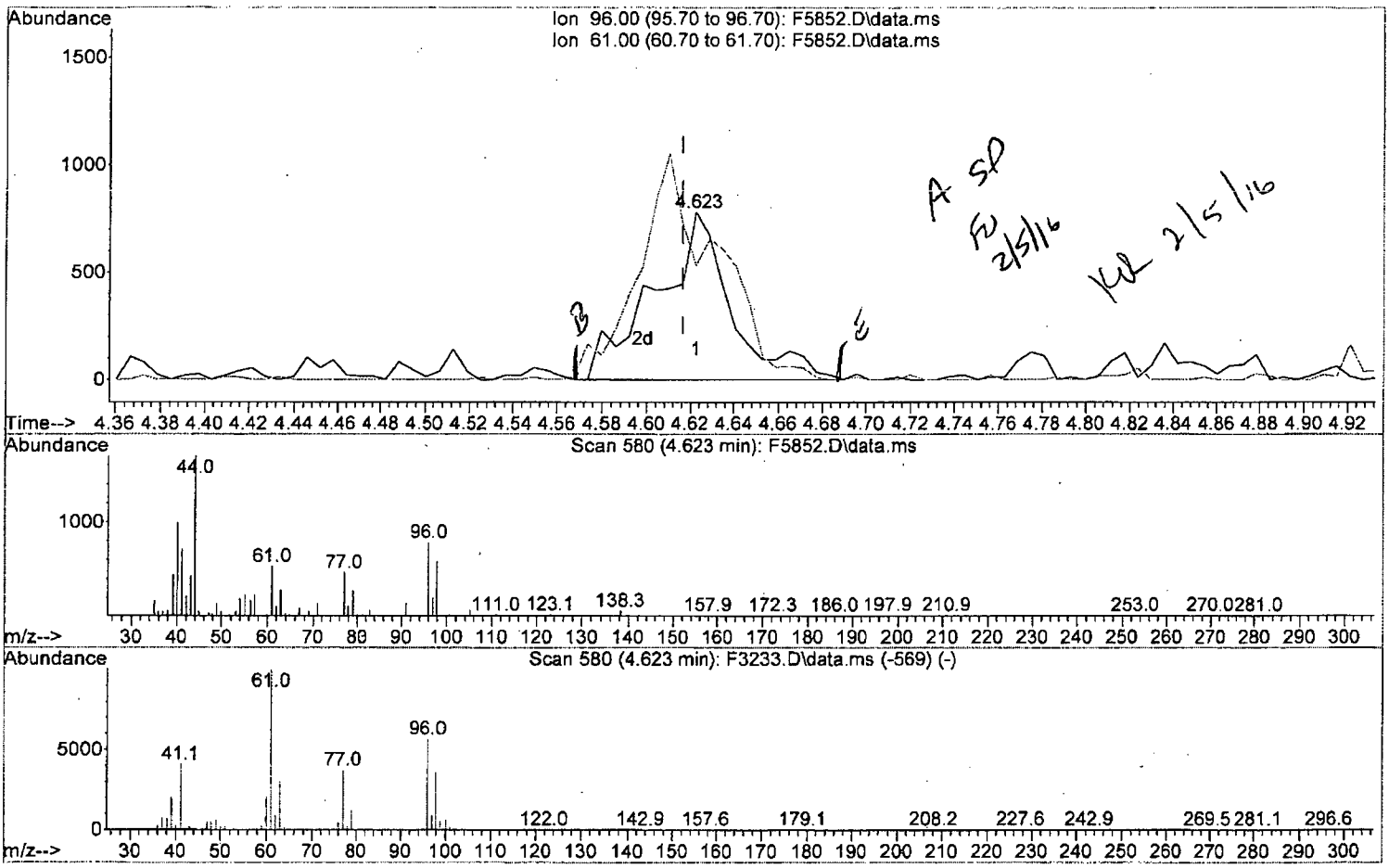
response 793

Ion	Exp%	Act%
96.00	100	100
61.00	177.00	68.04#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(33) cis-1,2-Dichloroethene (P)

4.623min (+0.006) 0.61 ug/L m

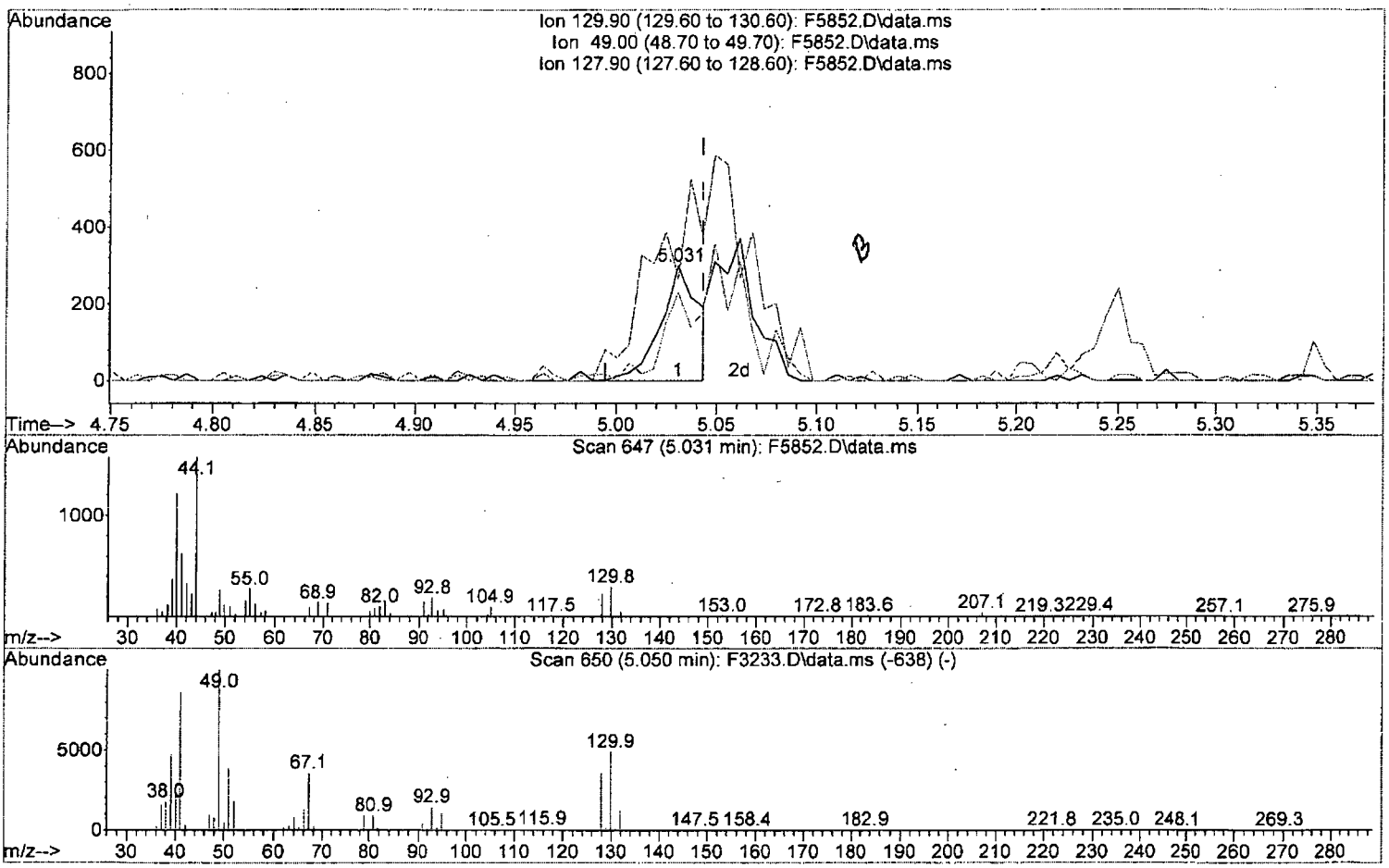
response 1855

Ion	Exp%	Act%
96.00	100	100
61.00	177.00	68.04#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(36) Bromochloromethane

5.031min (-0.012) 0.20 ug/L

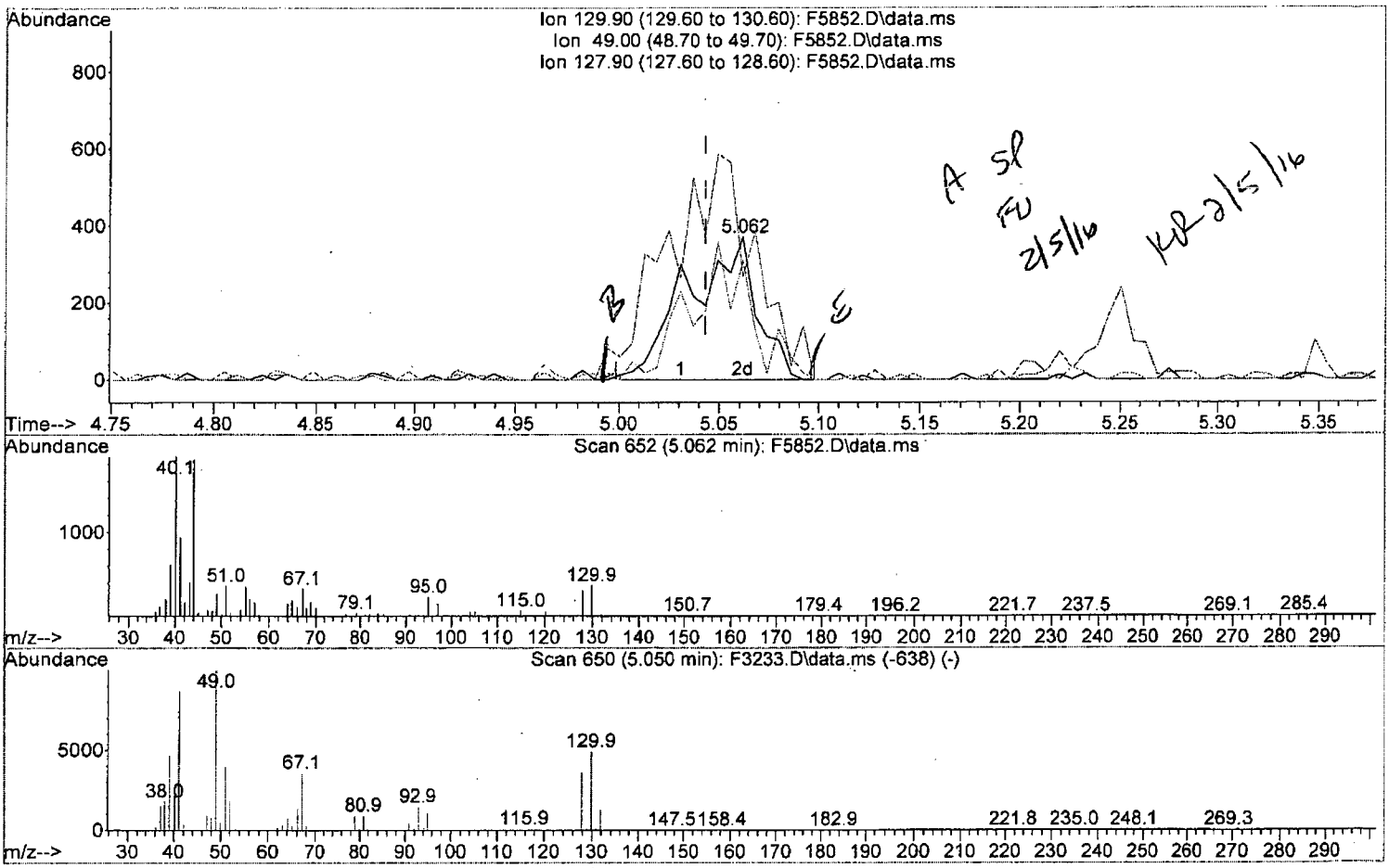
response 390

Ion	Exp%	Act%
129.90	100	100
49.00	204.30	89.26#
127.90	74.40	76.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(36) Bromochloromethane

5.062min (+0.018) 0.46 ug/L m

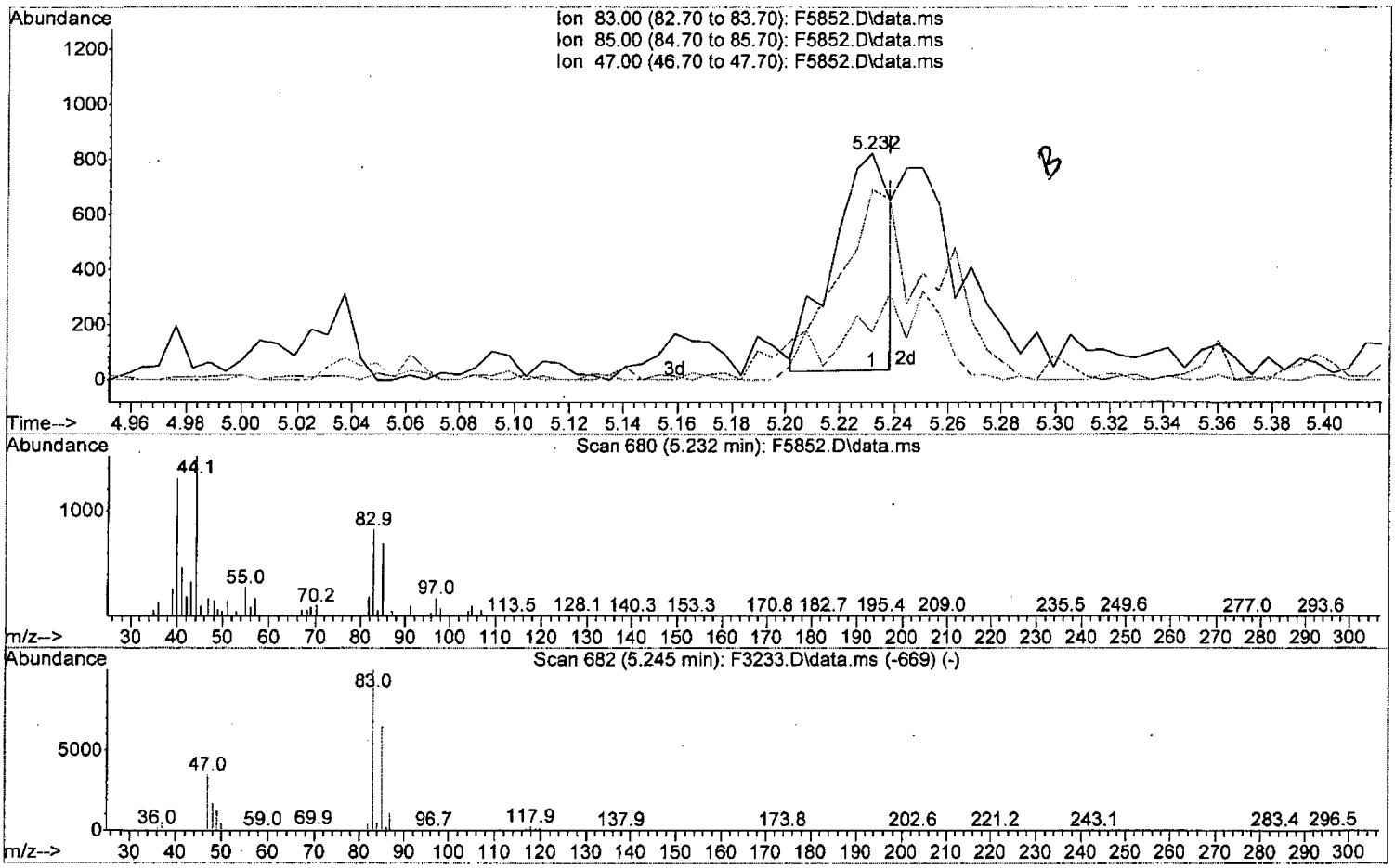
response 880

Ion	Exp%	Act%
129.90	100	100
49.00	204.30	72.16#
127.90	74.40	83.51
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(39) Chloroform (P)

5.232min (-0.006) 0.25 ug/L

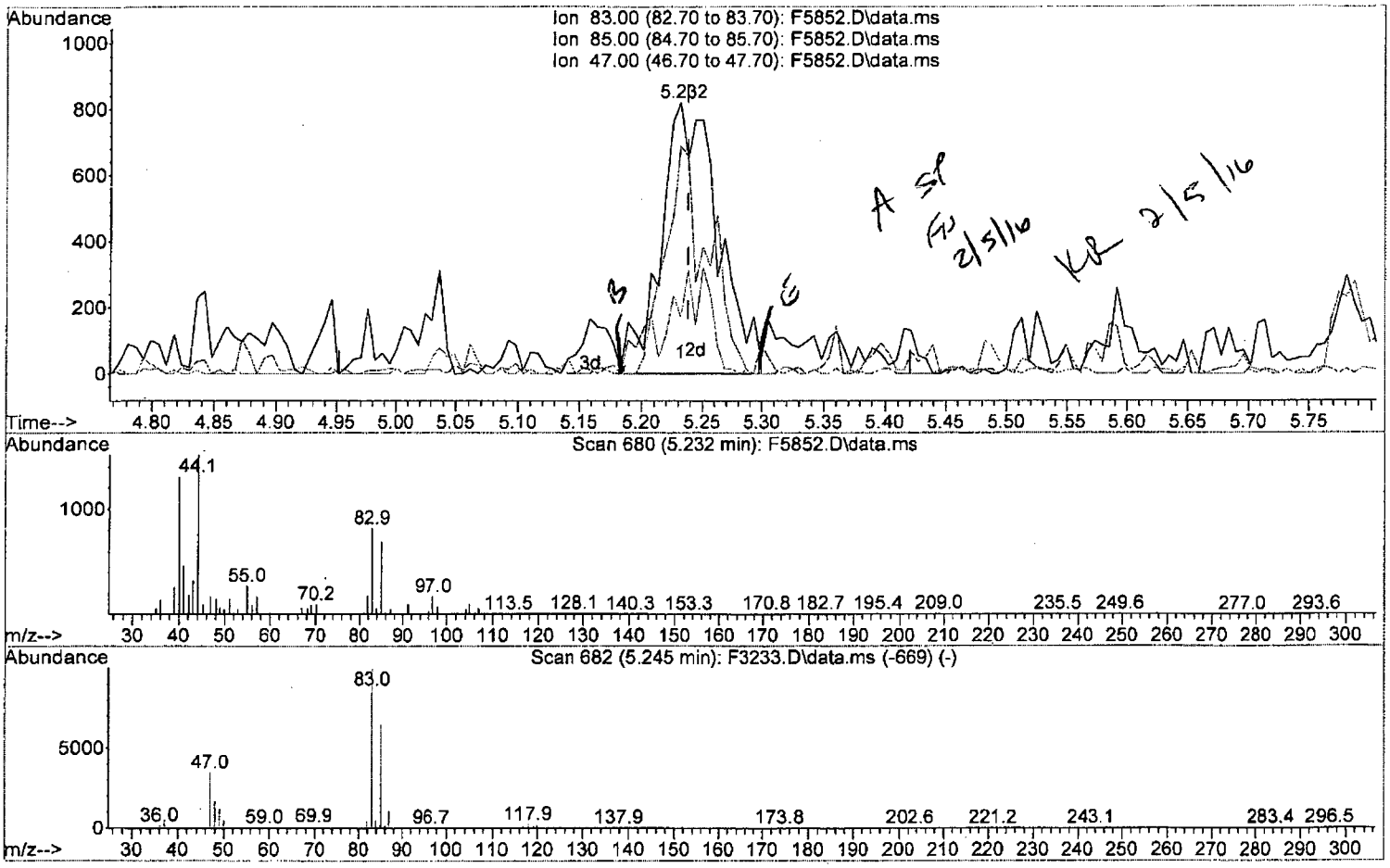
response 1156

Ion	Exp%	Act%
83.00	100	100
85.00	64.70	84.02
47.00	34.40	20.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(39) Chloroform (P)

5.232min (-0.006) 0.57 ug/L m

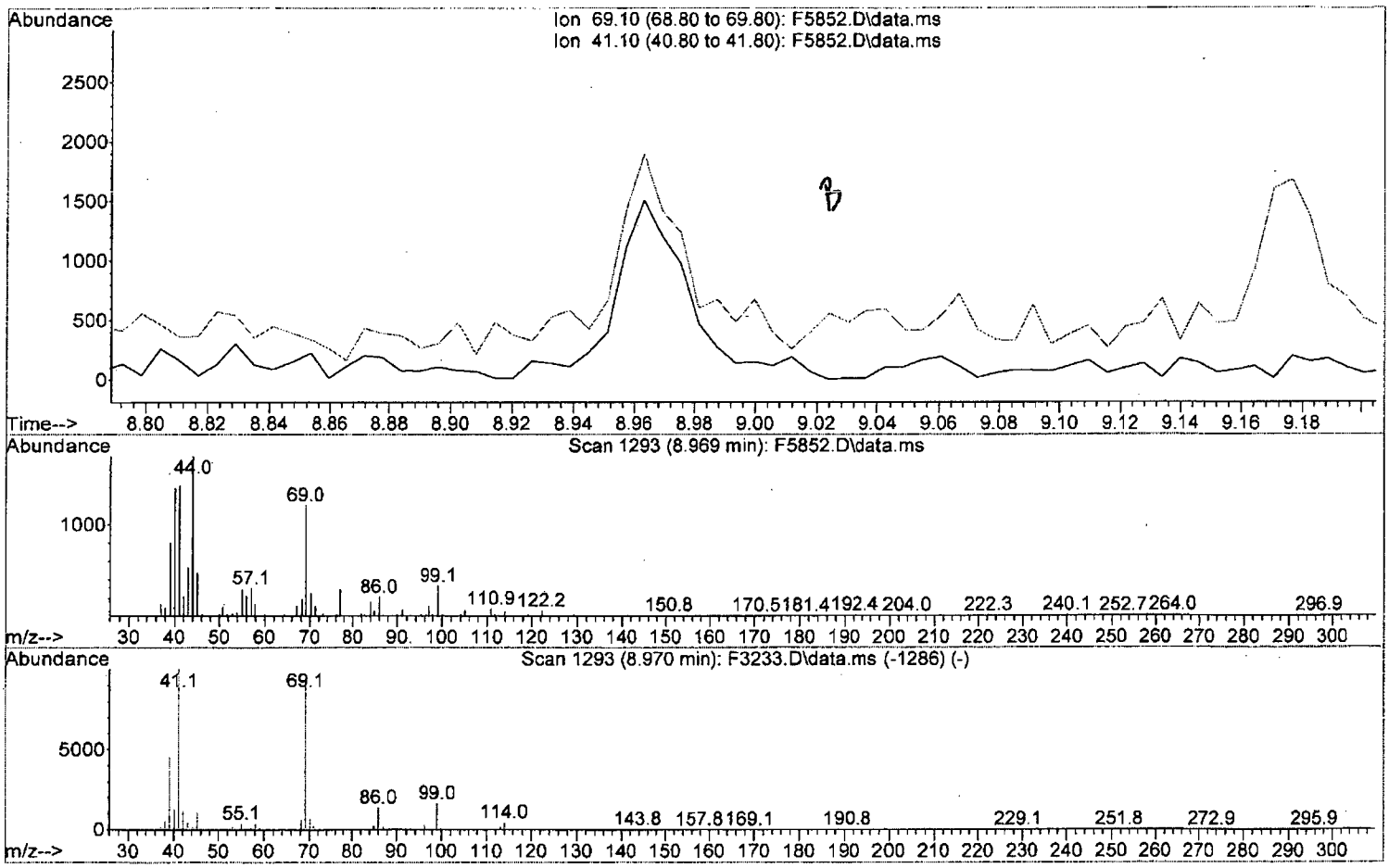
response 2685

Ion	Exp%	Act%
83.00	100	100
85.00	64.70	84.02
47.00	34.40	20.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(67) Ethyl Methacrylate

8.969min (-8.969) 0.00 ug/L

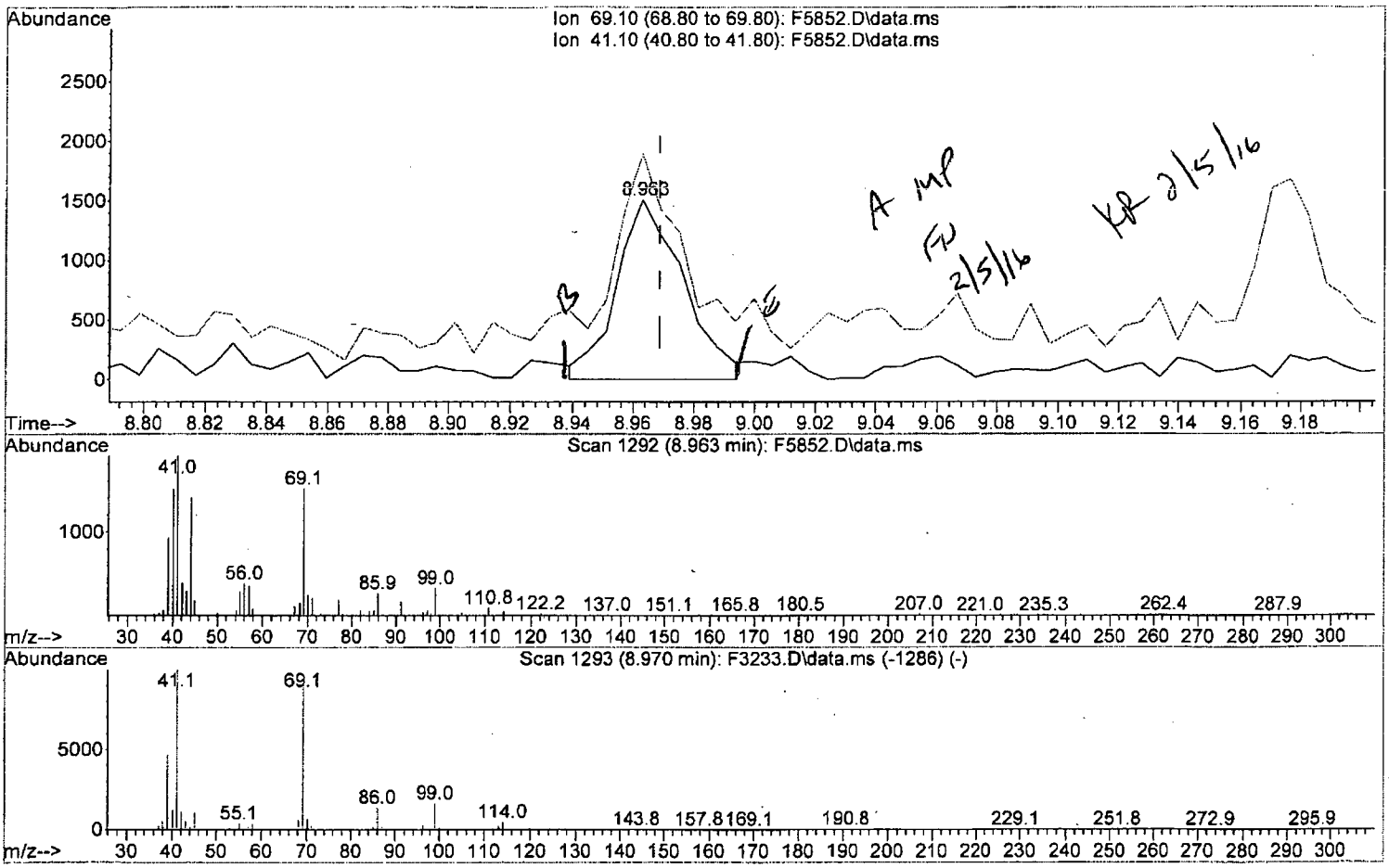
response 0

Ion	Exp%	Act%
69.10	100	0.00
41.10	111.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(67) Ethyl Methacrylate

8.963min (-0.006) 0.75 ug/L m

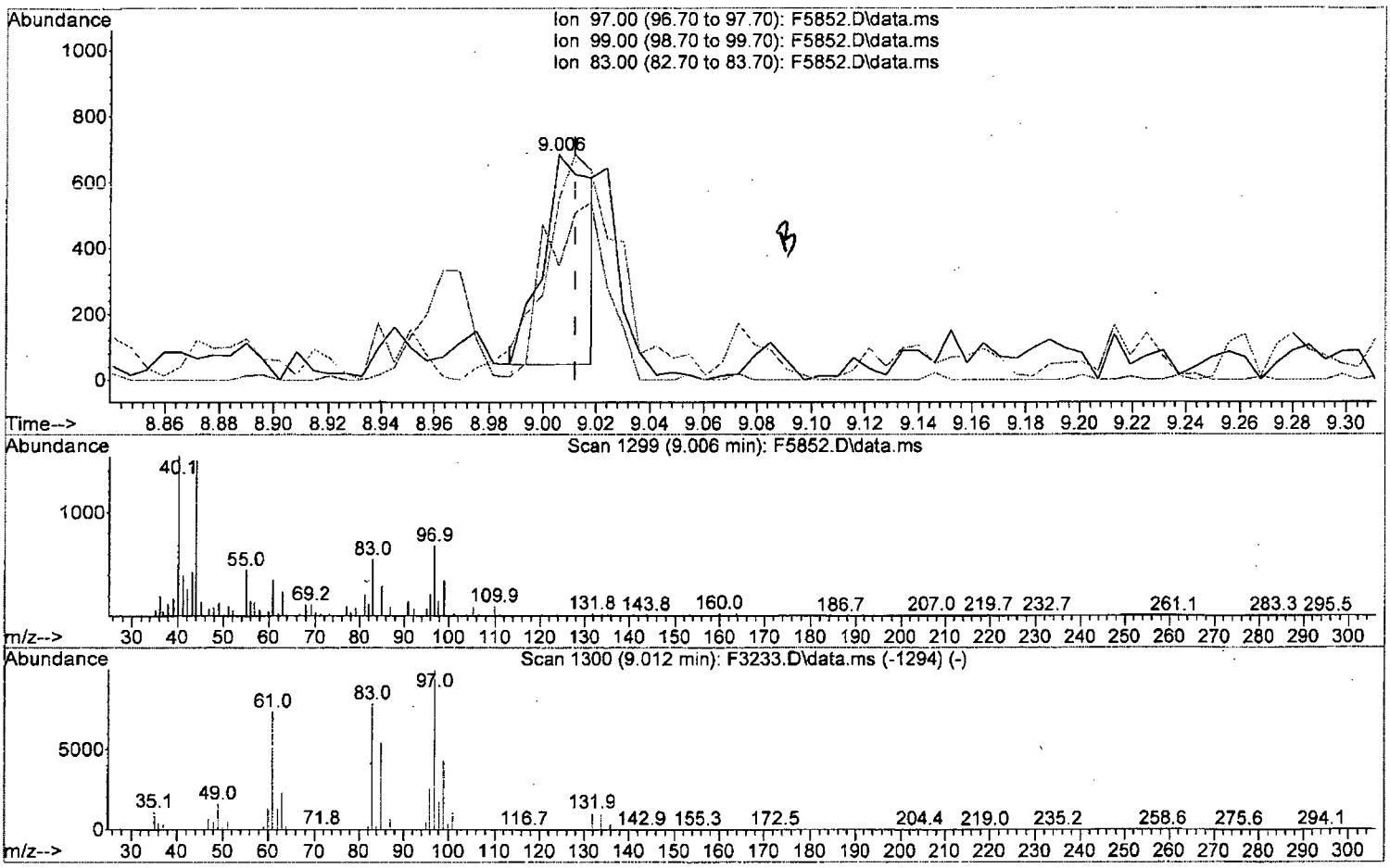
response 2301

Ion	Exp%	Act%
69.10	100	100
41.10	111.30	125.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(68) 1,1,2-Trichloroethane (P)

9.006min (-0.006) 0.33 ug/L

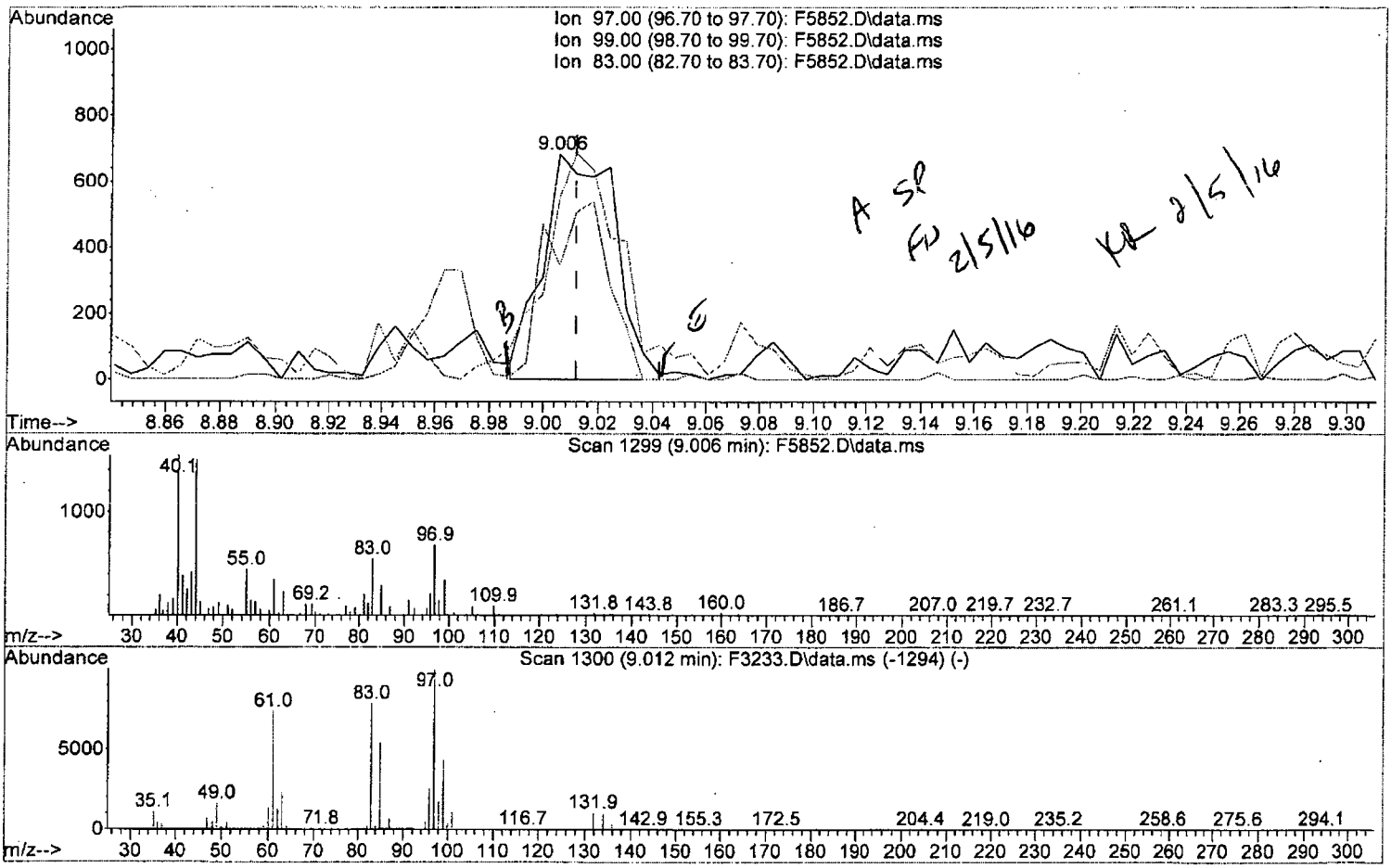
response 812

Ion	Exp%	Act%
97.00	100	100
99.00	61.30	50.59
83.00	78.60	80.79
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(68) 1,1,2-Trichloroethane (P)

9.006min (-0.006) 0.51 ug/L m

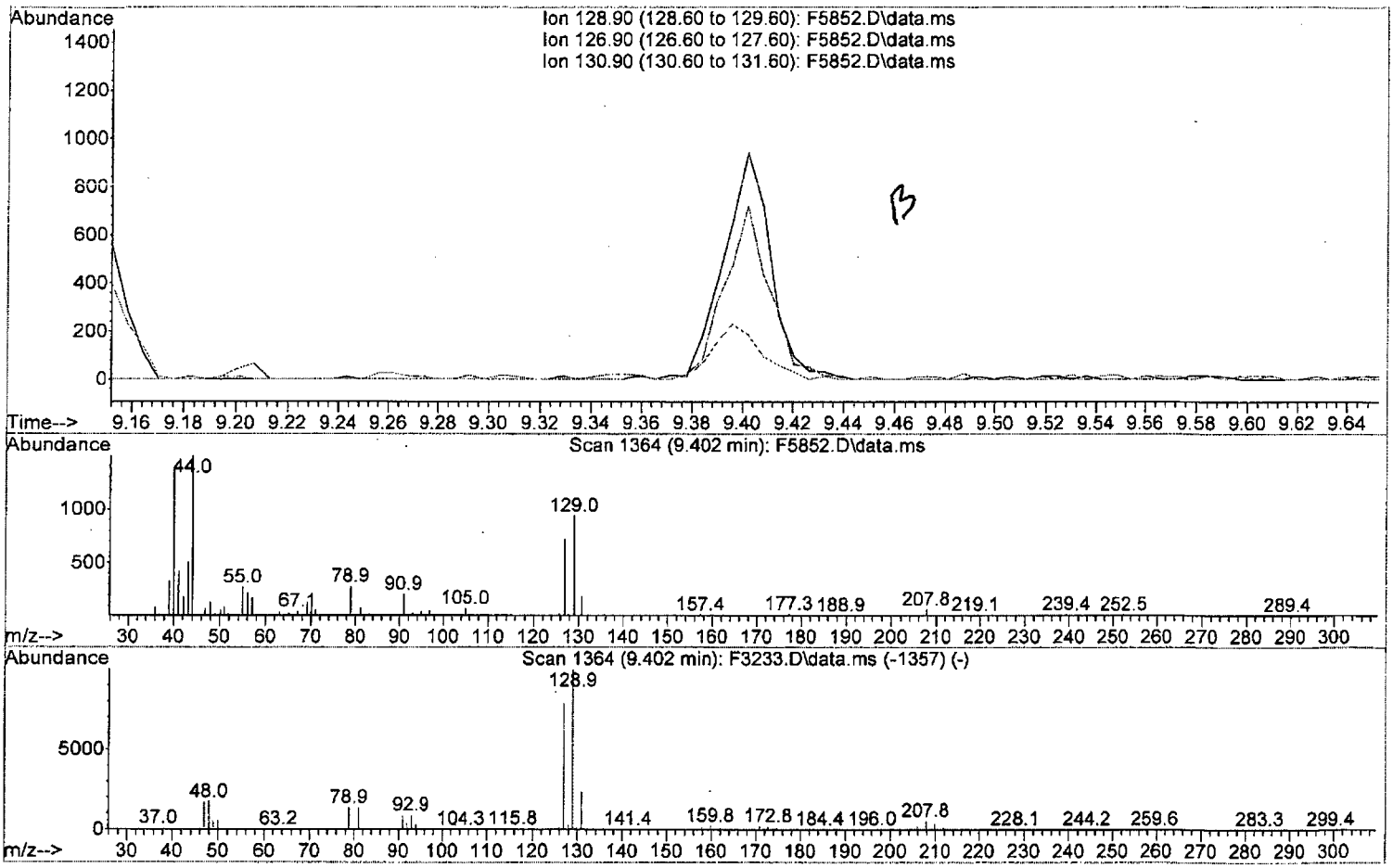
response 1245

Ion	Exp%	Act%
97.00	100	100
99.00	61.30	50.59
83.00	78.60	80.79
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(74) Dibromochloromethane (P)

9.402min (-9.402) 0.00 ug/L

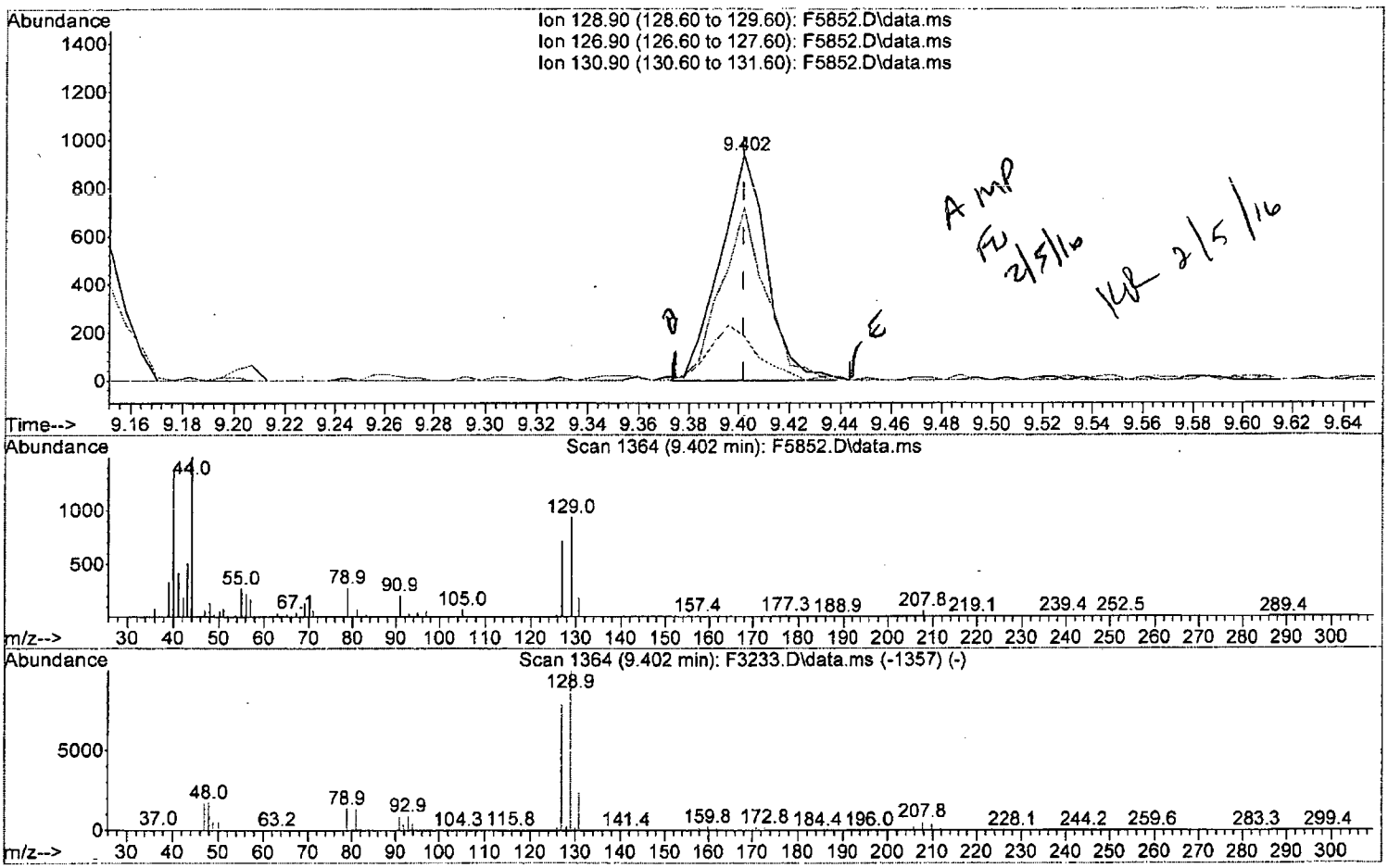
response 0

Ion	Exp%	Act%
128.90	100	0.00
126.90	78.40	0.00#
130.90	23.70	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 14:39:20 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5852.D\data.ms

(74) Dibromochloromethane (P)

9.402min (+0.000) 0.73 ug/L m

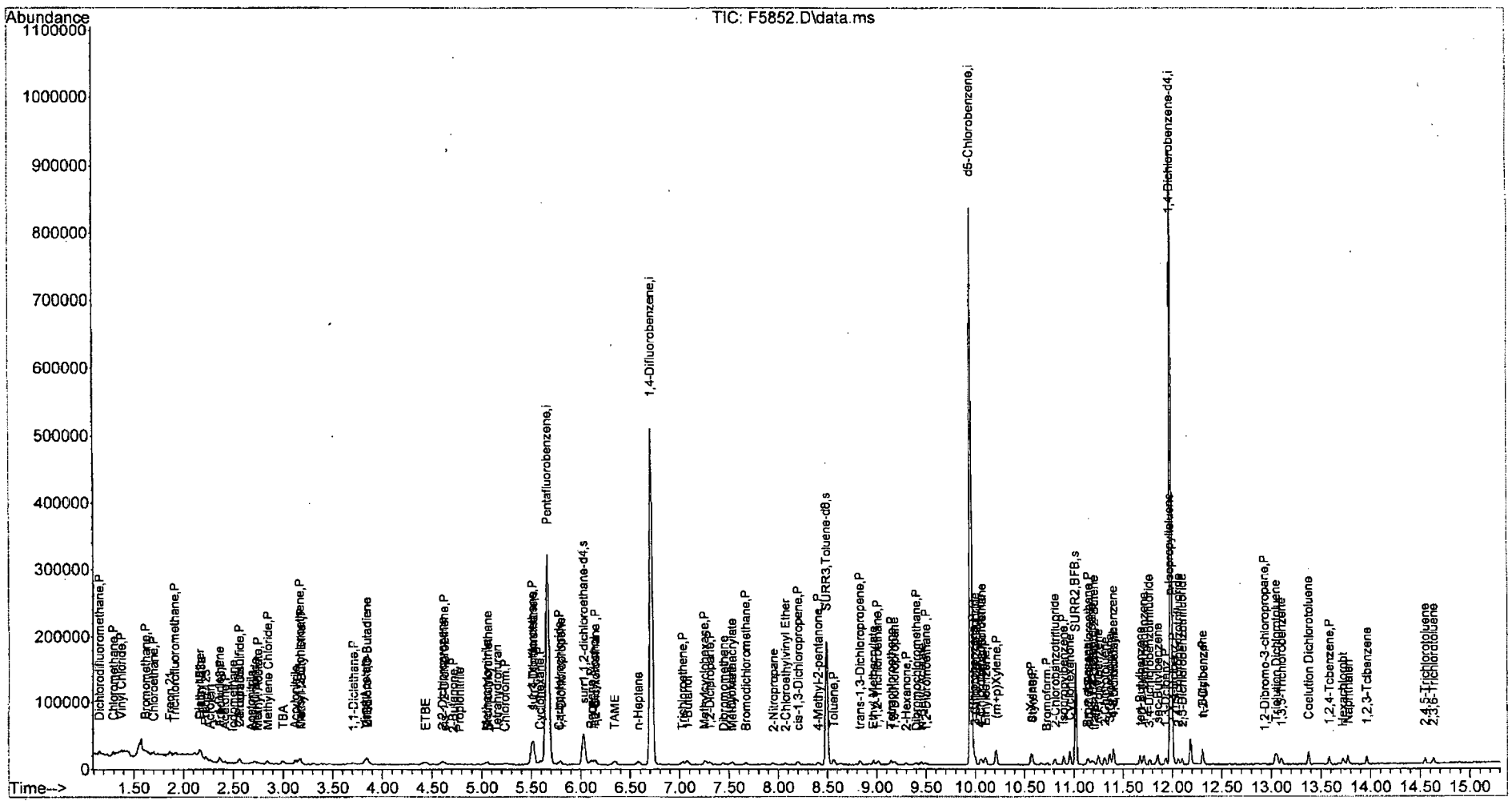
response 1212

Ion	Exp%	Act%
128.90	100	100
126.90	78.40	76.52
130.90	23.70	19.64
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5852.D
Acq On : 3 Feb 2016 2:24 pm
Operator : F. Naegler
Sample : 0.5 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 15:23:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 04 15:24:16 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

FV 2/5/16
KF 2/5/16

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.665	168	267284	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.714	114	377225	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.957	117	323848	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	176896	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.513	113	22950	9.91	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 19.82%#				
46) surr1,1,2-dichloroetha...	6.025	65	29605	10.23	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 20.46%#				
64) SURR3,Toluene-d8	8.488	98	91480	10.36	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 20.72%#				
69) SURR2,BFB	11.018	95	34412	10.06	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 20.12%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	3075m	0.90	ug/L		
3) Chloromethane	1.294	50	4758	0.83	ug/L		98
4) Vinyl Chloride	1.373	62	4182	1.11	ug/L		99
5) Bromomethane	1.617	94	2296m	1.00	ug/L		
6) Chloroethane	1.703	64	2188	1.08	ug/L		96
7) Freon 21	1.861	67	4877	1.14	ug/L	#	62
8) Trichlorofluoromethane	1.910	101	3368	1.05	ug/L		92
9) Diethyl Ether	2.160	59	2830	0.91	ug/L		94
10) Freon 123a	2.172	67	3522	1.10	ug/L		89
11) Freon 123	2.227	83	2925	0.85	ug/L		90
12) Acrolein	2.270	56	3925	4.02	ug/L		91
13) 1,1-Diclethene	2.361	96	2533	1.10	ug/L	#	68
14) Freon 113	2.373	101	2311	1.04	ug/L	#	65
15) Acetone	2.416	43	2825	1.22	ug/L		91
16) 2-Propanol	2.562	45	7615	19.79	ug/L		91
17) Iodomethane	2.501	142	908m	1.49	ug/L		
18) Carbon Disulfide	2.562	76	6807	1.09	ug/L		93
19) Acetonitrile	2.684	40	1335	2.82	ug/L	#	45
20) Allyl Chloride	2.721	76	1229	1.03	ug/L	#	40
21) Methyl Acetate	2.751	43	4147	0.87	ug/L		93
22) Methylene Chloride	2.843	84	2619	0.88	ug/L	#	75
23) TBA	3.001	59	10347	22.28	ug/L		100
24) Acrylonitrile	3.129	53	8544	4.10	ug/L		97
25) Methyl-t-Butyl Ether	3.178	73	8728	1.06	ug/L		92
26) trans-1,2-Dichloroethene	3.172	96	2571m	1.02	ug/L		
27) 1,1-Diclethane	3.702	63	4393	0.87	ug/L		86
28) Vinyl Acetate	3.812	86	629m	1.58	ug/L		
29) DIPE	3.855	45	11234	0.86	ug/L		95
30) 2-Chloro-1,3-Butadiene	3.842	53	6011	1.04	ug/L		96
31) ETBE	4.434	59	10555	1.17	ug/L		97
32) 2,2-Dichloropropane	4.611	77	3704m	1.35	ug/L		
33) cis-1,2-Dichloroethene	4.611	96	2635	0.92	ug/L		99
34) 2-Butanone	4.678	43	3333	1.10	ug/L		67
35) Propionitrile	4.775	54	3575	4.33	ug/L	#	37

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 04 15:24:16 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Bromochloromethane	5.050	130	1862	1.02	ug/L	#	59
37) Methacrylonitrile	5.050	67	1760	1.10	ug/L	#	60
38) Tetrahydrofuran	5.159	42	1919	1.01	ug/L		70
39) Chloroform	5.245	83	4274m	0.96	ug/L		
40) 1,1,1-Trichloroethane	5.507	97	3591	1.17	ug/L		78
42) Cyclohexane	5.604	41	3120m	0.92	ug/L		
44) Carbontetrachloride	5.787	121	1018	1.66	ug/L	#	77
45) 1,1-Dichloropropene	5.799	75	3095	1.03	ug/L		86
47) Benzene	6.104	78	9814	1.01	ug/L		94
48) 1,2-Dichloroethane	6.147	62	3659	0.93	ug/L		88
49) Iso-Butyl Alcohol	6.147	43	5970	27.70	ug/L		91
50) TAME	6.348	73	7259	1.14	ug/L		87
51) n-Heptane	6.586	43	5234	1.14	ug/L		92
52) 1-Butanol	7.080	56	7046	78.71	ug/L		84
53) Trichloroethene	7.031	130	2696	1.06	ug/L	#	91
54) Methylcyclohexane	7.256	55	4113	1.08	ug/L		88
55) 1,2-Diclpropane	7.299	63	2941	1.09	ug/L		92
56) Dibromomethane	7.445	93	1692	1.04	ug/L		94
57) 1,4-Dioxane	7.512	88	997	19.37	ug/L		93
58) Methyl Methacrylate	7.537	69	2638	1.24	ug/L		90
59) Bromodichloromethane	7.671	83	3271	1.19	ug/L		94
60) 2-Nitropropane	7.933	41	2707	4.69	ug/L	#	54
61) 2-Chloroethylvinyl Ether	8.067	63	1694	0.93	ug/L		88
62) cis-1,3-Dichloropropene	8.195	75	4300	1.44	ug/L		92
63) 4-Methyl-2-pentanone	8.403	43	4772	1.03	ug/L		88
65) Toluene	8.561	91	10287	1.05	ug/L		96
66) trans-1,3-Dichloropropene	8.829	75	3532	1.45	ug/L		89
67) Ethyl Methacrylate	8.969	69	3990	1.27	ug/L	#	75
68) 1,1,2-Trichloroethane	9.018	97	2581	1.13	ug/L		97
71) Tetrachloroethene	9.140	164	2181	1.21	ug/L	#	79
72) 2-Hexanone	9.299	43	3841	1.13	ug/L		96
73) 1,3-Dichloropropane	9.177	76	4246	1.07	ug/L		96
74) Dibromochloromethane	9.402	129	2820	1.59	ug/L	#	78
75) N-Butyl Acetate	9.451	43	6423	1.01	ug/L		77
76) 1,2-Dibromoethane	9.500	107	2528	1.09	ug/L		88
77) 3-Chlorobenzotrifluoride	10.000	180	3856	1.14	ug/L		81
78) Chlorobenzene	9.988	112	6836	1.07	ug/L		90
79) 4-Chlorobenzotrifluoride	10.055	180	3777	1.26	ug/L		97
80) 1,1,1,2-Tetrachloroethane	10.073	131	2538	1.28	ug/L		92
81) Ethylbenzene	10.097	106	3745	1.14	ug/L		97
82) (m+p)Xylene	10.213	106	9670	2.40	ug/L		98
83) o-Xylene	10.567	106	4585	1.14	ug/L		93
84) Styrene	10.579	104	7695	1.14	ug/L		93
85) Bromoform	10.725	173	1651	1.41	ug/L		91
86) 2-Chlorobenzotrifluoride	10.811	180	3908	1.18	ug/L		92
87) Isopropylbenzene	10.896	105	12045	1.21	ug/L		90
88) Cyclohexanone	10.957	55	13542	20.02	ug/L		98
89) trans-1,4-Dichloro-2-B...	11.201	53	1188	0.98	ug/L		82
91) 1,1,2,2-Tetrachloroethane	11.152	83	2857	0.81	ug/L		87
92) Bromobenzene	11.140	156	3017	1.06	ug/L		94
93) 1,2,3-Trichloropropane	11.189	110	1107	1.06	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 04 15:24:16 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

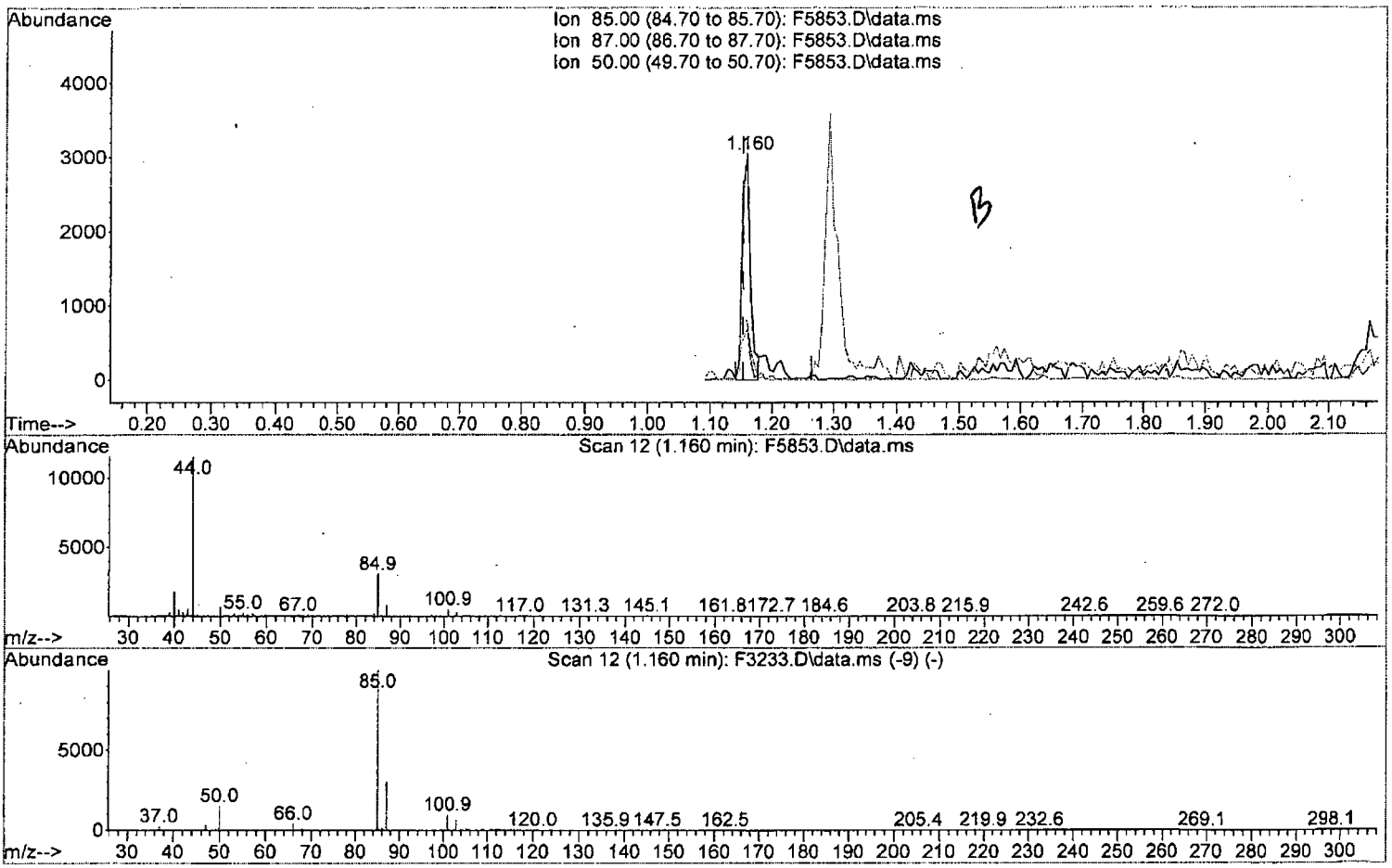
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
94)	n-Propylbenzene	11.250	91	13816	1.05	ug/L		98
95)	2-Chlorotoluene	11.317	91	8229	1.09	ug/L		93
96)	3-Chlorotoluene	11.365	91	8027	1.02	ug/L		96
97)	4-Chlorotoluene	11.408	91	8634	0.97	ug/L		97
98)	1,3,5-Trimethylbenzene	11.402	105	9541	1.13	ug/L		95
99)	tert-Butylbenzene	11.670	119	8412	1.10	ug/L		89
100)	1,2,4-Trimethylbenzene	11.713	105	9850	1.10	ug/L		95
101)	3,4-Dichlorobenzotrifl...	11.768	214	3062	1.12	ug/L		93
102)	sec-Butylbenzene	11.853	105	12873	1.14	ug/L		88
103)	p-Isopropyltoluene	11.975	119	10082	1.15	ug/L		97
104)	1,3-Dclbenz	11.938	146	5606	1.04	ug/L		98
105)	1,4-Dclbenz	12.005	146	5894	1.08	ug/L		98
106)	2,4-Dichlorobenzotrifl...	12.060	214	3148	1.27	ug/L		94
107)	2,5-Dichlorobenzotrifl...	12.103	214	3339m	1.19	ug/L		
108)	n-Butylbenzene	12.304	91	8916	1.04	ug/L		94
109)	1,2-Dclbenz	12.310	146	5505	1.02	ug/L		95
110)	1,2-Dibromo-3-chloropr...	12.932	157	1090	1.55	ug/L		89
111)	Trielution Dichlorotol...	13.042	125	14647	3.12	ug/L		86
112)	1,3,5-Trichlorobenzene	13.103	180	4374	1.08	ug/L		97
113)	Coelution Dichlorotoluene	13.377	125	11272	2.14	ug/L		92
114)	1,2,4-Tcbenzene	13.584	180	4346	1.15	ug/L		97
115)	Hexachlorobt	13.725	225	1555	0.99	ug/L		97
116)	Naphthalen	13.773	128	11483	1.01	ug/L		92
117)	1,2,3-Tclbenzene	13.962	180	4517	1.16	ug/L	#	75
118)	2,4,5-Trichlorotoluene	14.548	159	3010	1.06	ug/L		91
119)	2,3,6-Trichlorotoluene	14.633	159	2704	1.05	ug/L		88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 03 15:03:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5853.D\data.ms

(2) Dichlorodifluoromethane (P)

1.160min (+0.006) 0.82 ug/L

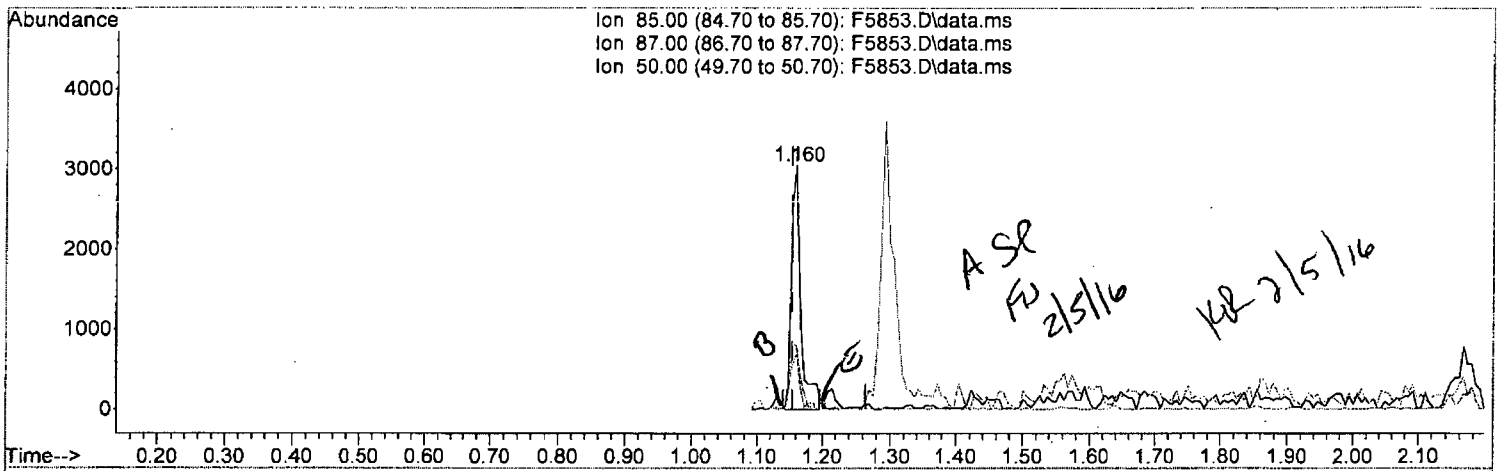
response 2789

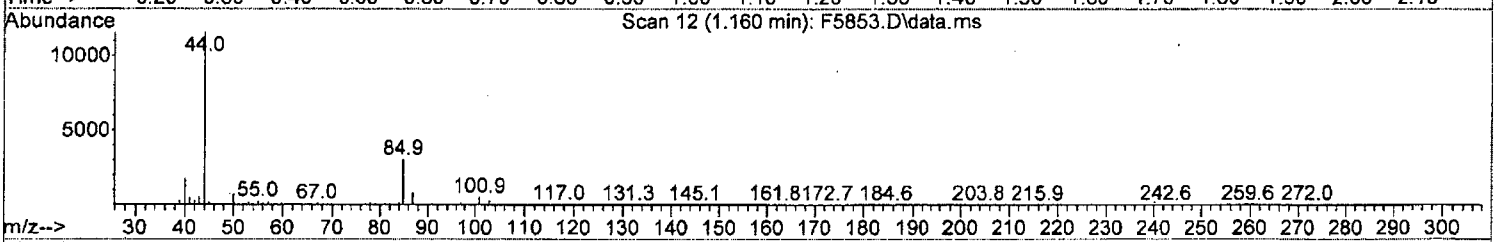
Ion	Exp%	Act%
85.00	100	100
87.00	30.70	26.04
50.00	14.90	22.68
0.00	0.00	0.00

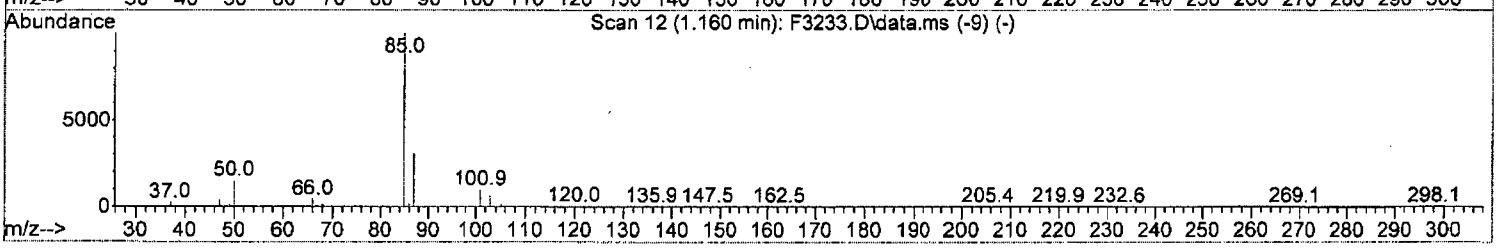
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 03 15:03:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration







TIC: F5853.D\data.ms

(2) Dichlorodifluoromethane (P)

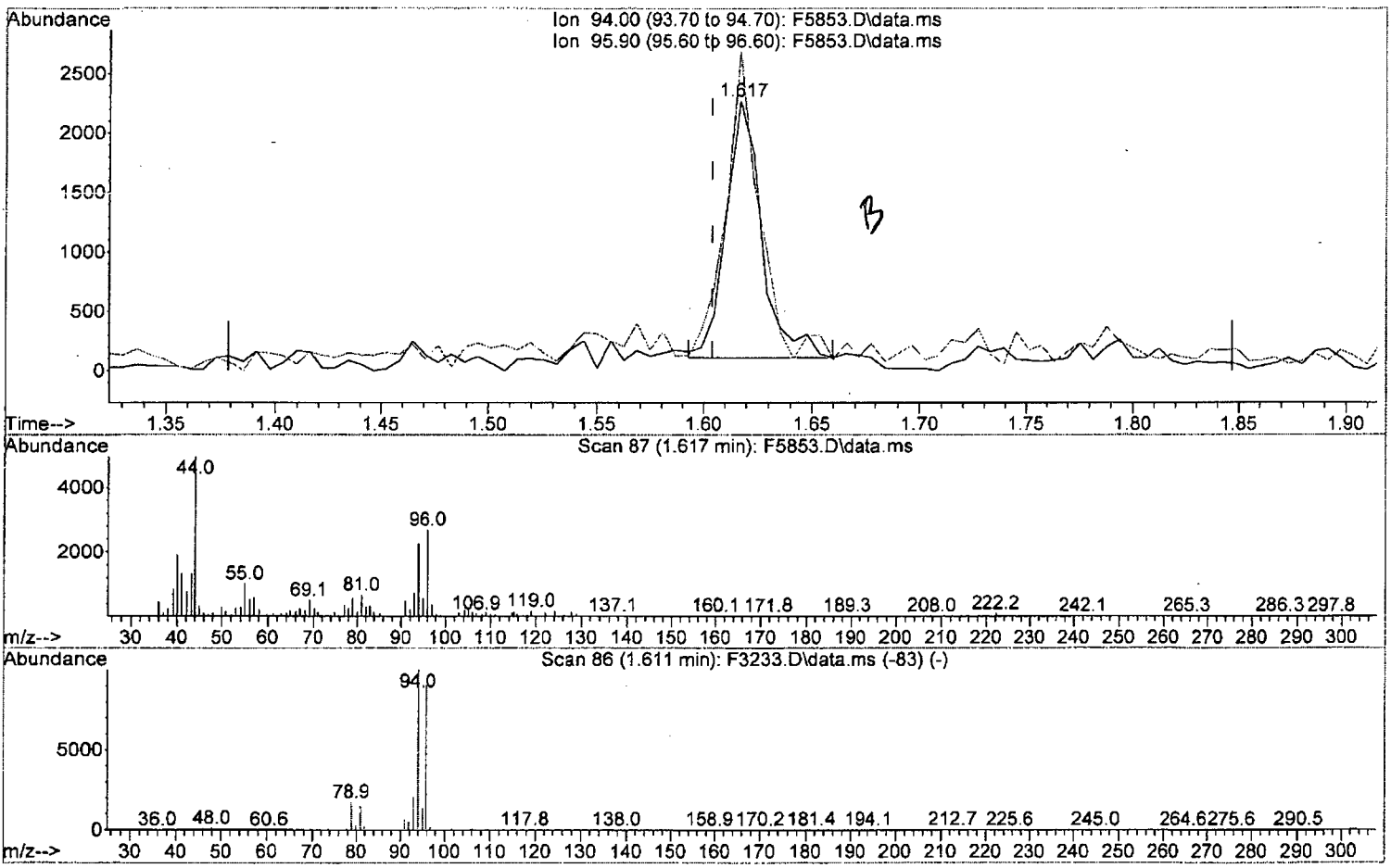
1.160min (+0.006) 0.90 ug/L m

response 3075

Ion	Exp%	Act%
85.00	100	100
87.00	30.70	26.04
50.00	14.90	22.68
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 04 15:05:00 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5853.D\data.ms

(5) Bromomethane (P)

1.617min (+0.013) 1.09 ug/L

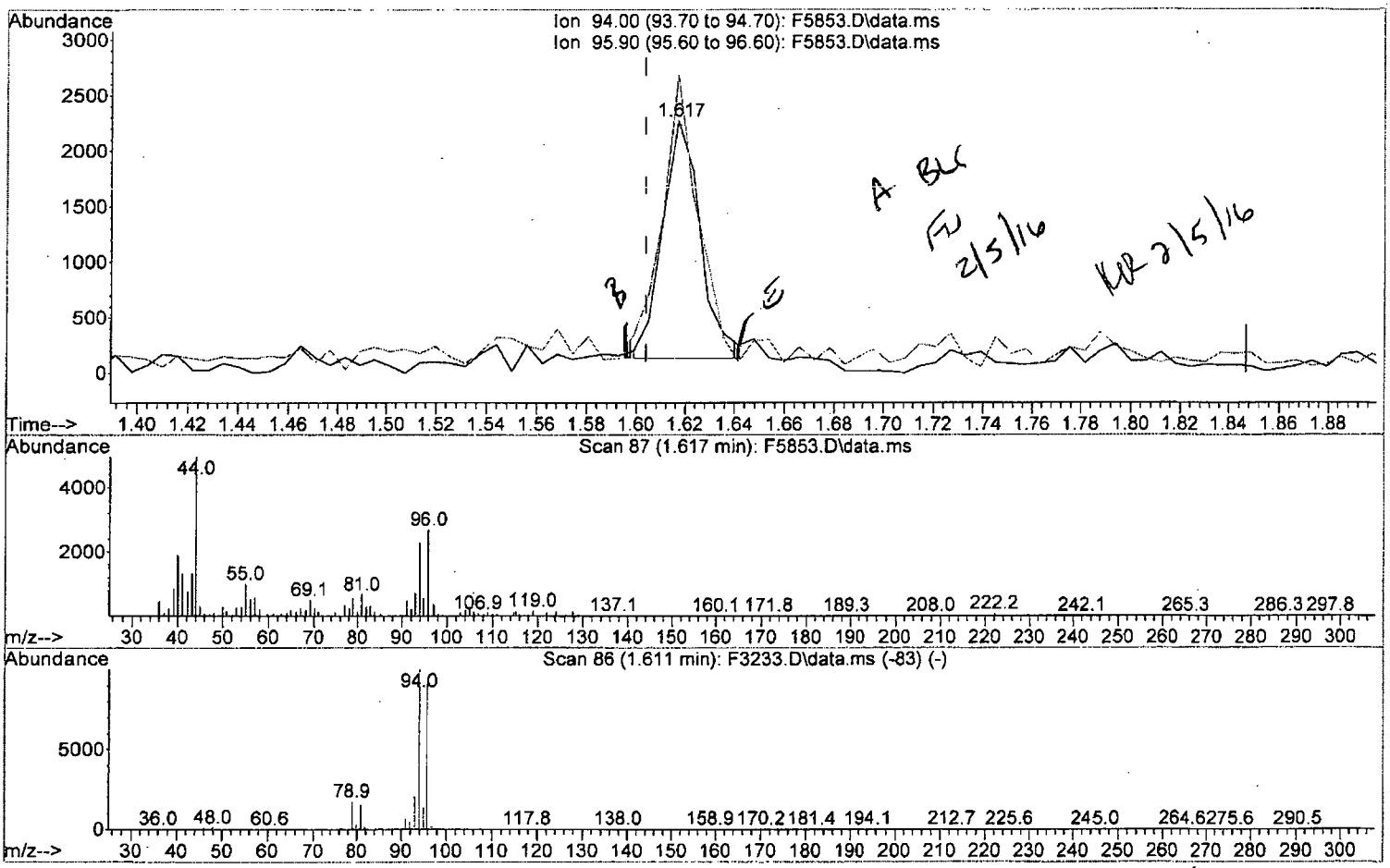
response 2478

Ion	Exp%	Act%
94.00	100	100
95.90	91.00	118.03#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 04 15:05:00 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5853.D\data.ms

(5) Bromomethane (P)

1.617min (+0.013) 1.00 ug/L m

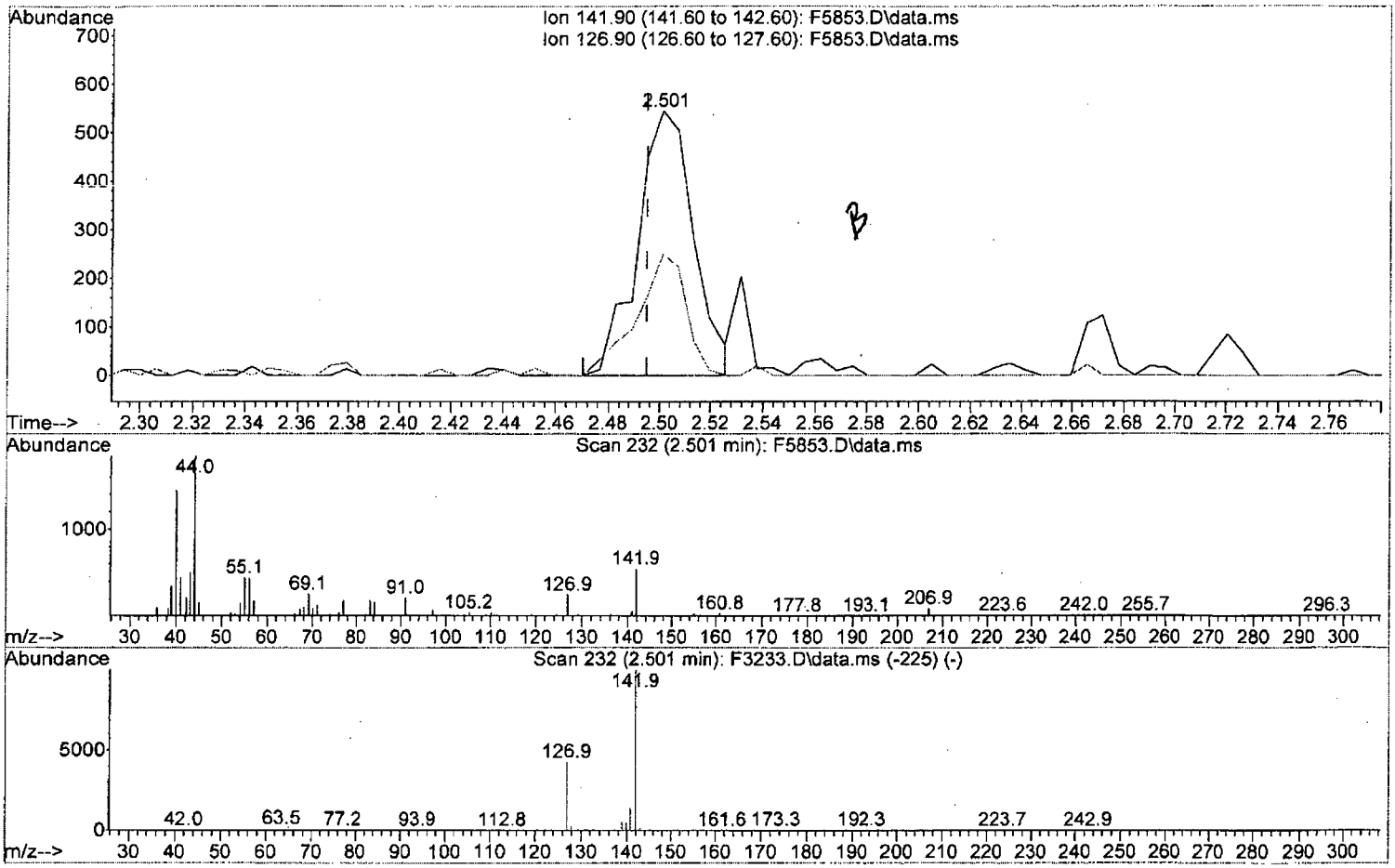
response 2296

Ion	Exp%	Act%
94.00	100	100
95.90	91.00	118.03#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 03 15:03:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5853.D\data.ms

(17) Iodomethane

2.501min (+0.006) 1.46 ug/L

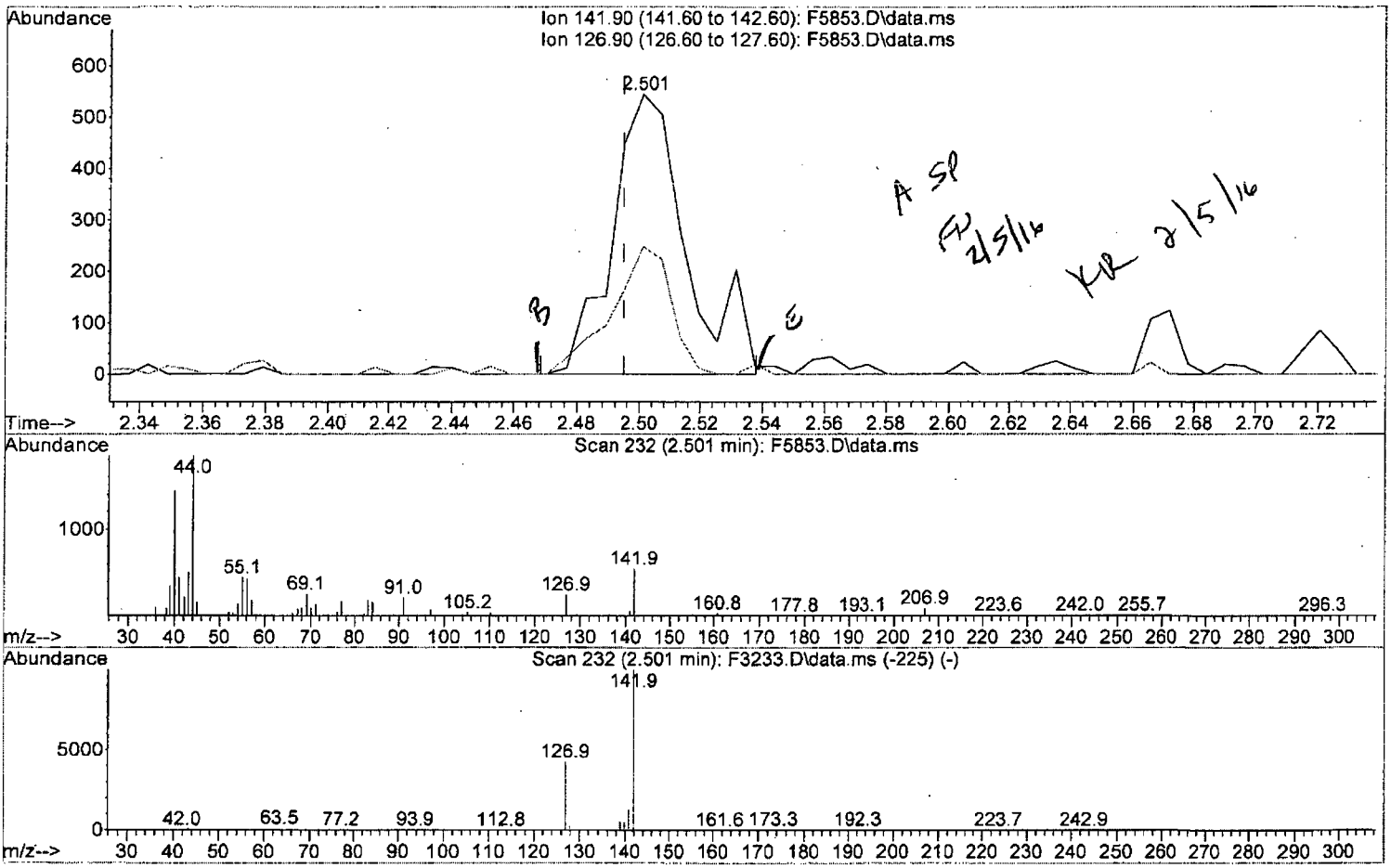
response 829

Ion	Exp%	Act%
141.90	100	100
126.90	42.40	45.59
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 03 15:03:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5853.D\data.ms

(17) Iodomethane

2.501min (+0.006) 1.49 ug/L m

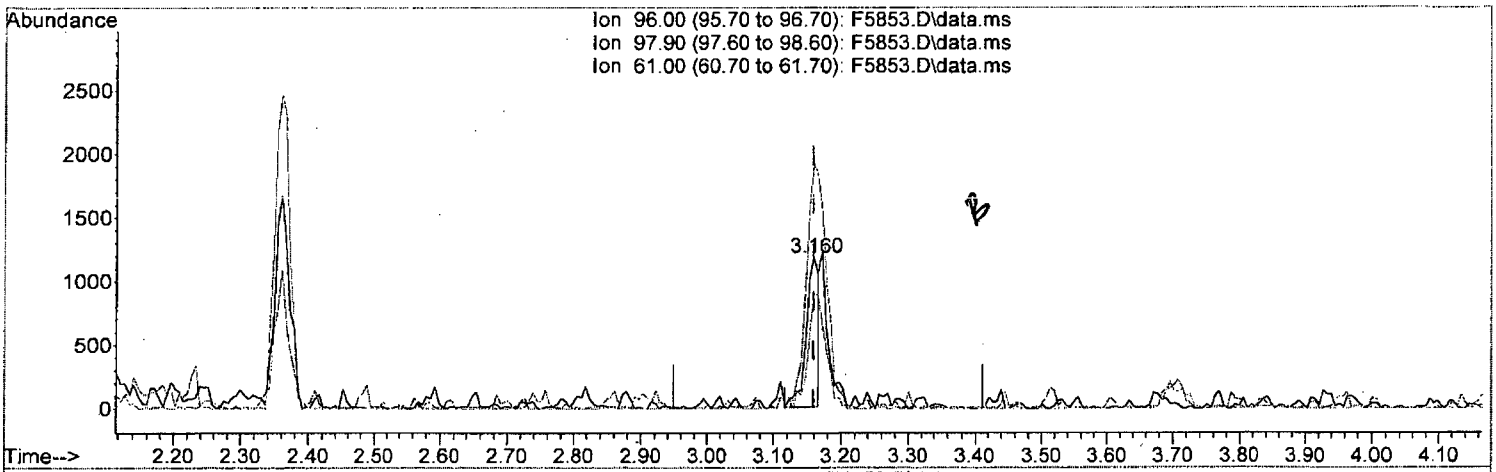
response 908

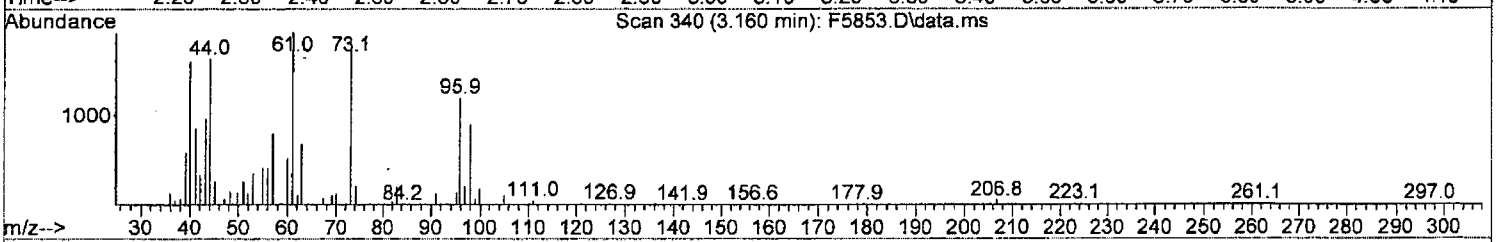
Ion	Exp%	Act%
141.90	100	100
126.90	42.40	45.59
0.00	0.00	0.00
0.00	0.00	0.00

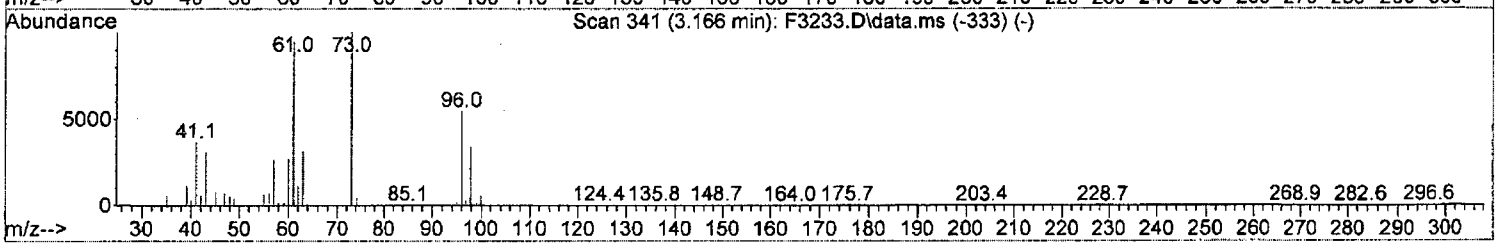
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 03 15:03:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration







TIC: F5853.D\data.ms

(26) trans-1,2-Dichloroethene (P)

3.160min (+0.000) 0.60 ug/L

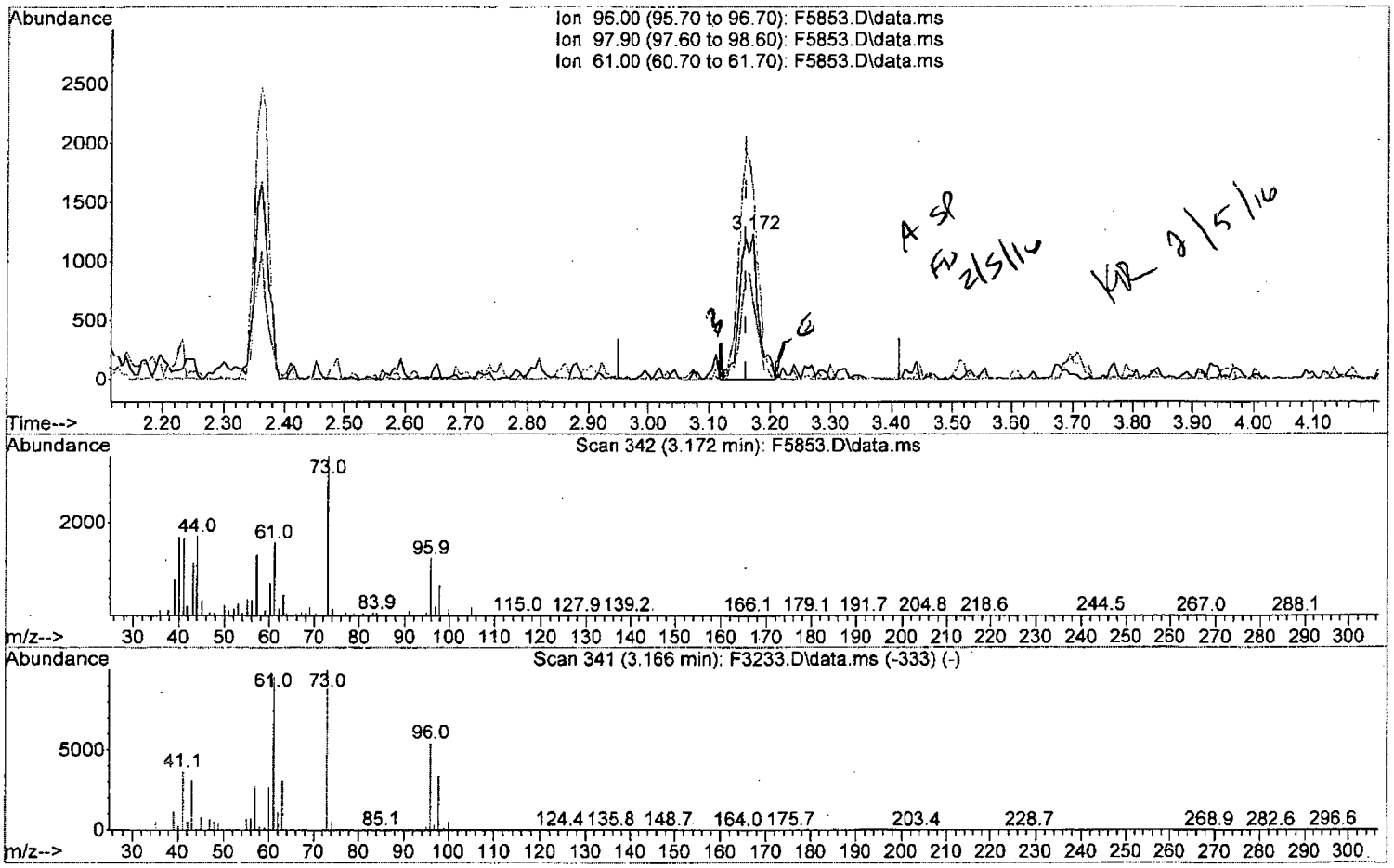
response 1508

Ion	Exp%	Act%
96.00	100	100
97.90	62.30	75.06
61.00	175.30	161.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 03 15:03:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5853.D\data.ms

(26) trans-1,2-Dichloroethene (P)

3.172min (+0.012) 1.02 ug/L m

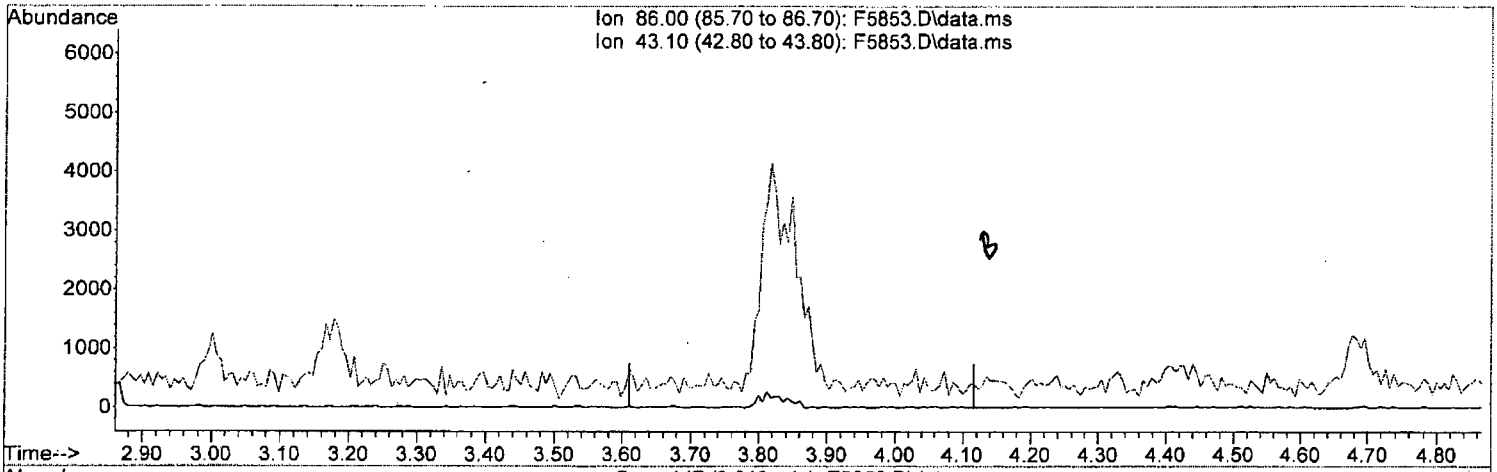
response 2571

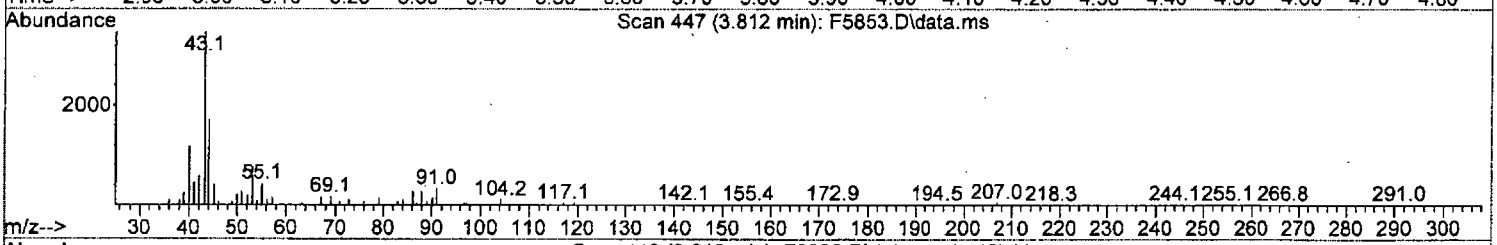
Ion	Exp%	Act%
96.00	100	100
97.90	62.30	52.85
61.00	175.30	127.32#
0.00	0.00	0.00

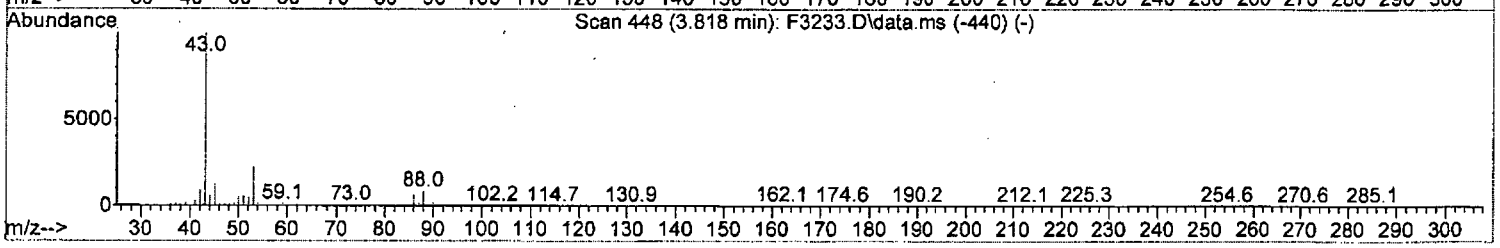
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 03 15:03:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration







TIC: F5853.D\data.ms

(28) Vinyl Acetate

3.811min (-3.811) 0.00 ug/L

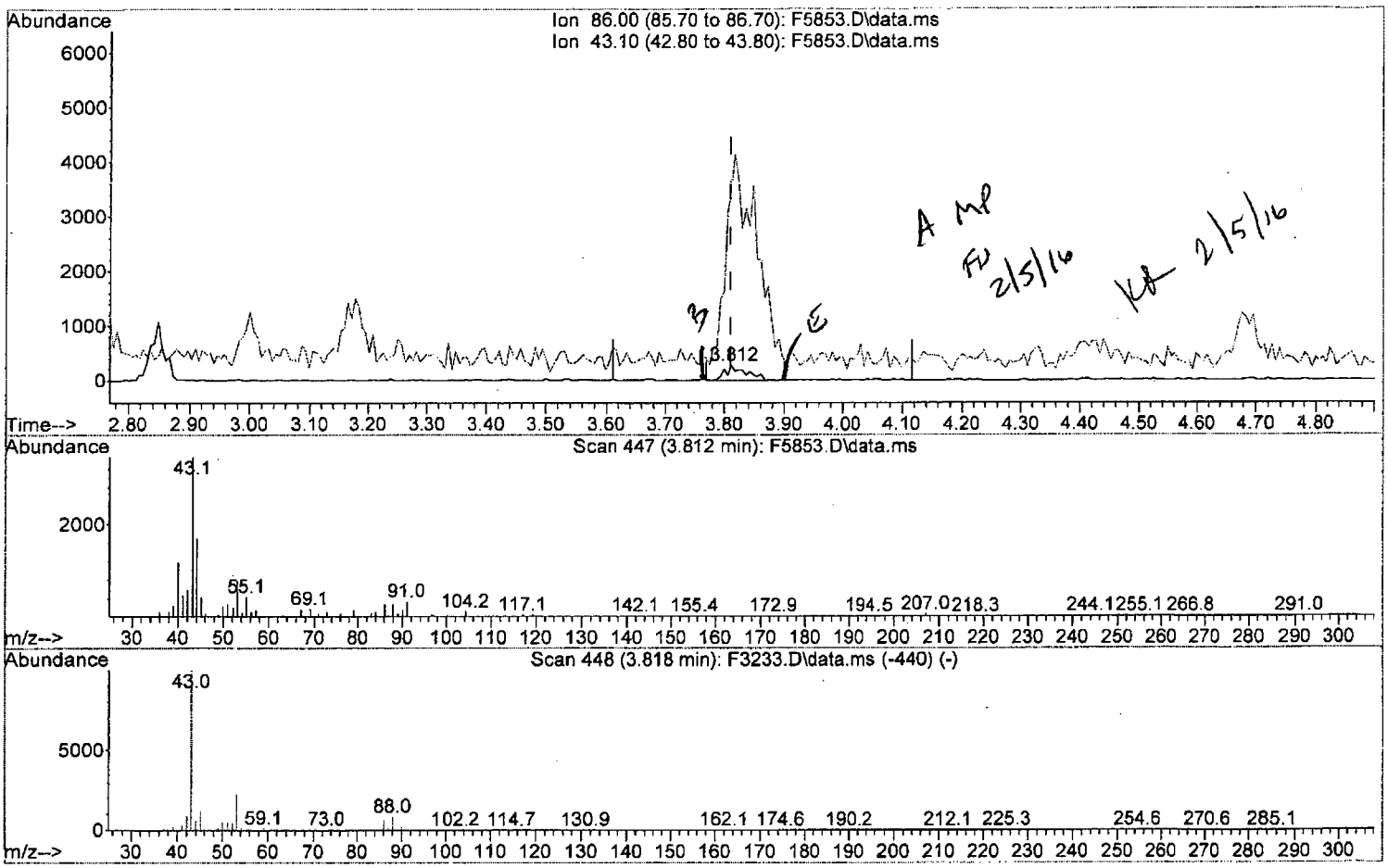
response 0

Ion	Exp%	Act%
86.00	100	0.00
43.10	1588.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 03 15:03:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5853.D\data.ms

(28) Vinyl Acetate

3.812min (+0.001) 1.58 ug/L m

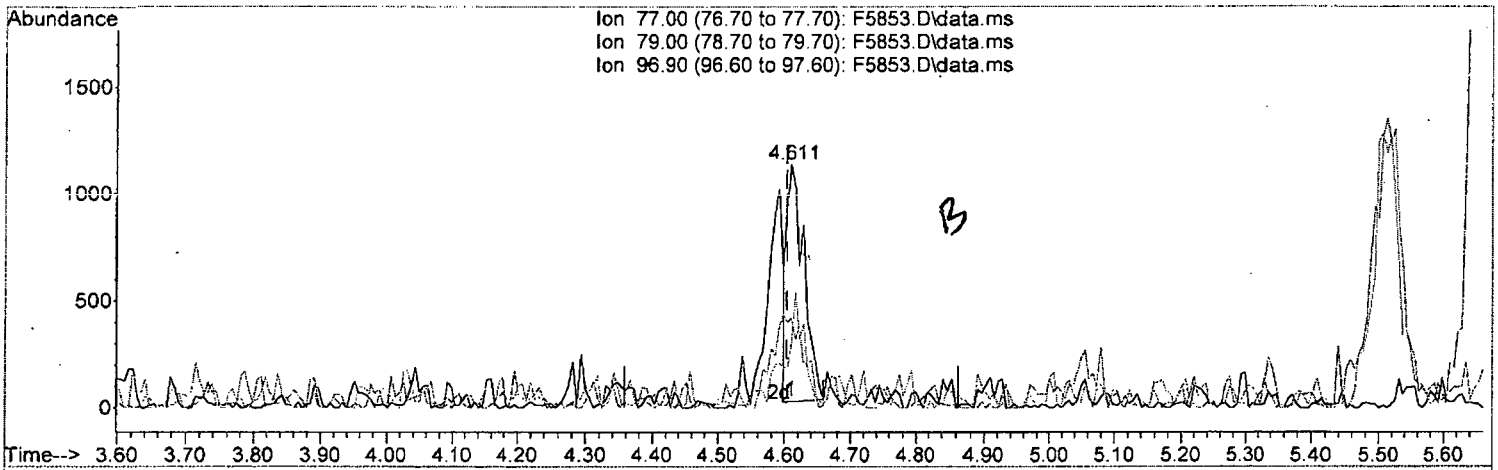
response 629

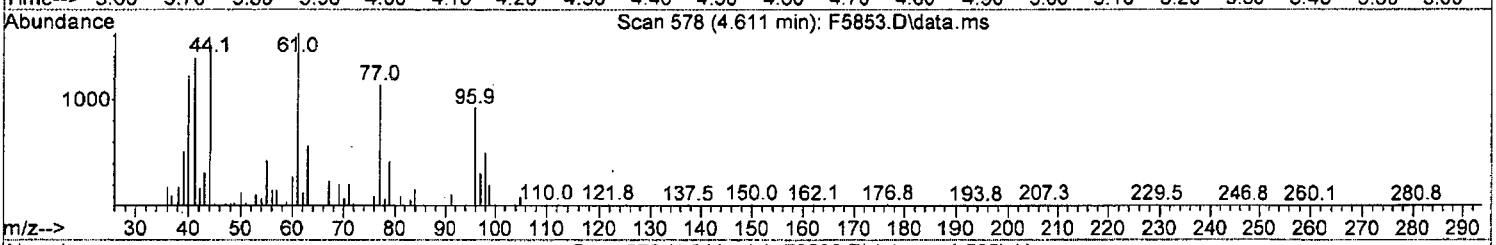
Ion	Exp%	Act%
86.00	100	100
43.10	1588.80	1271.32#
0.00	0.00	0.00
0.00	0.00	0.00

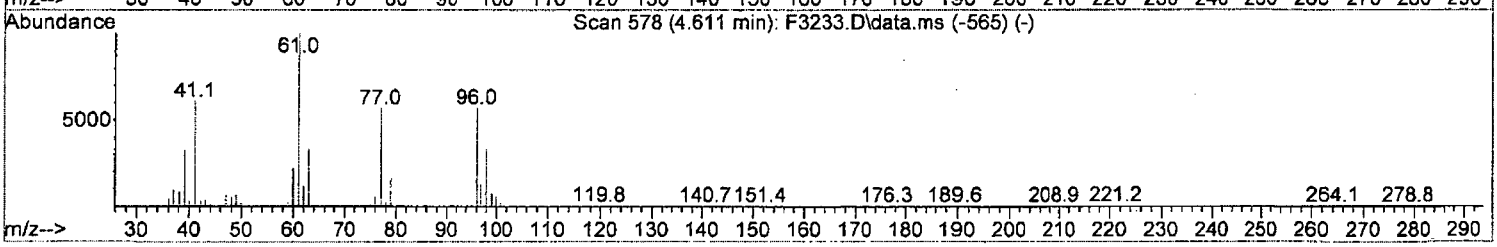
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 03 15:03:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration







TIC: F5853.D\data.ms

(32) 2,2-Dichloropropane

4.611min (+0.006) 0.72 ug/L

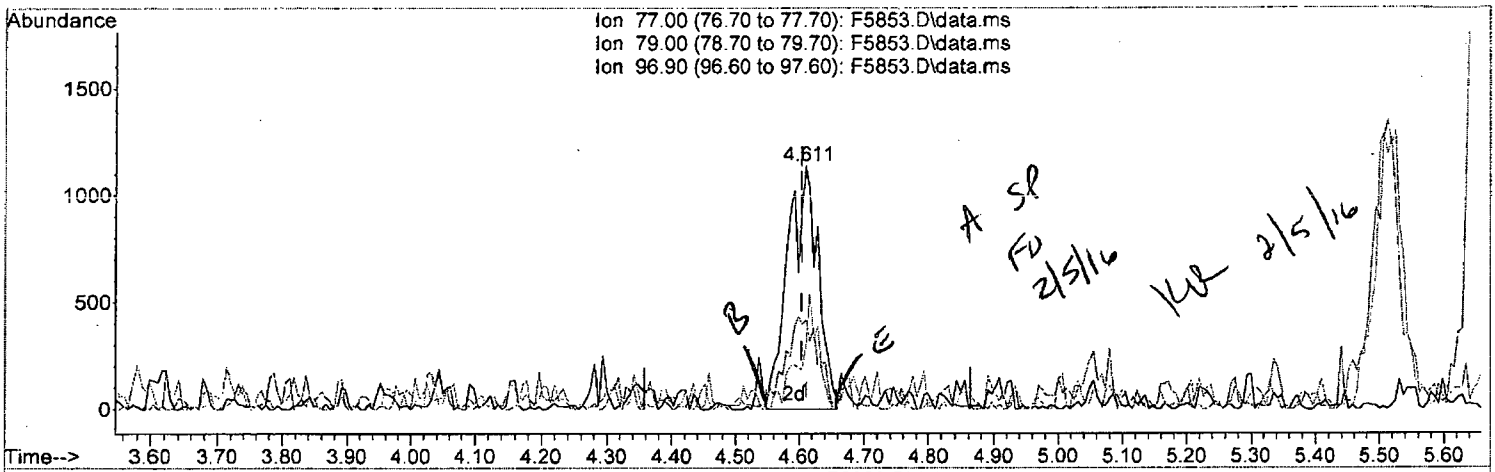
response 1973

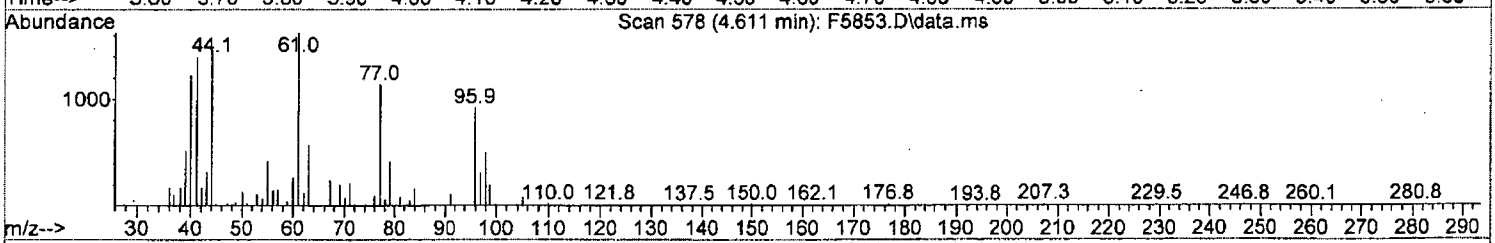
Ion	Exp%	Act%
77.00	100	100
79.00	28.90	36.56
96.90	22.20	27.15
0.00	0.00	0.00

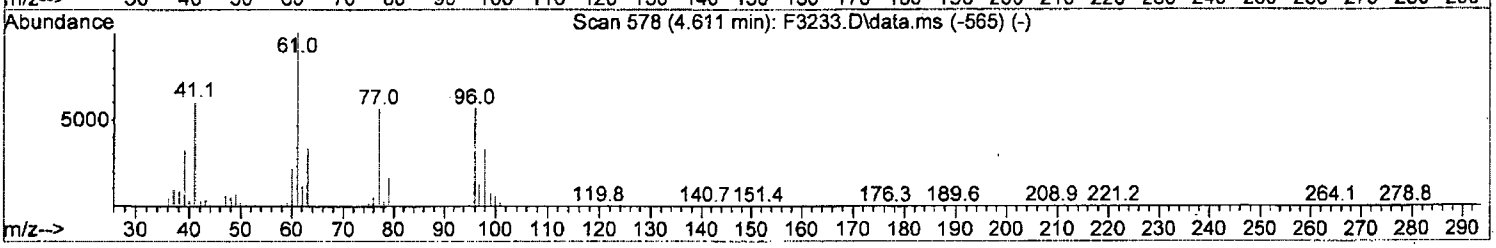
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 03 15:03:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration







TIC: F5853.D\data.ms

(32) 2,2-Dichloropropane

4.611min (+0.006) 1.35 ug/L m

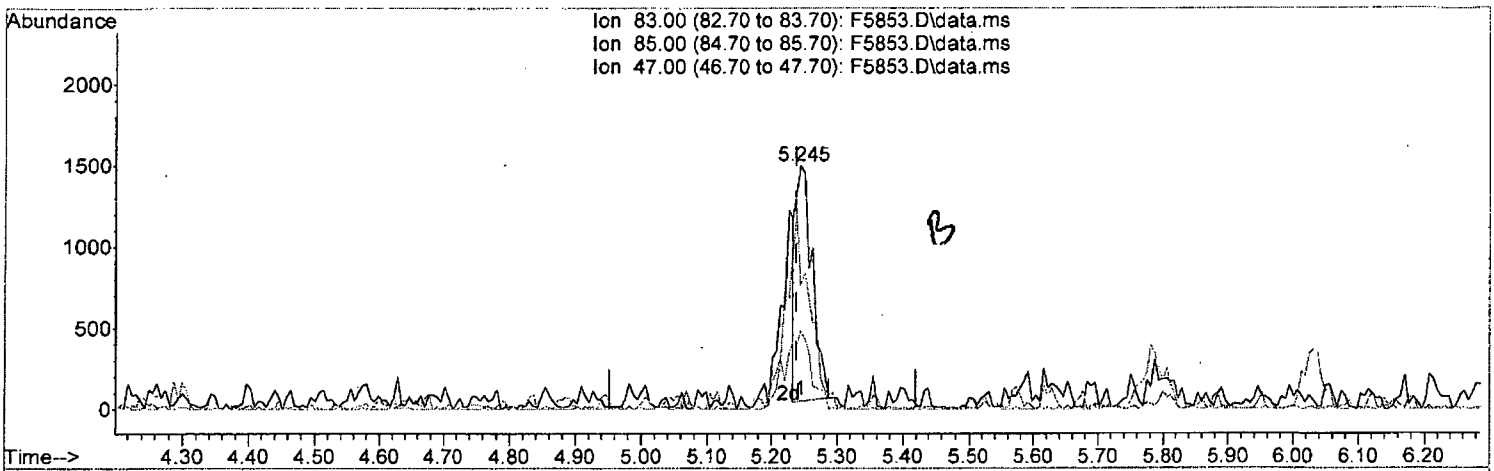
response 3704

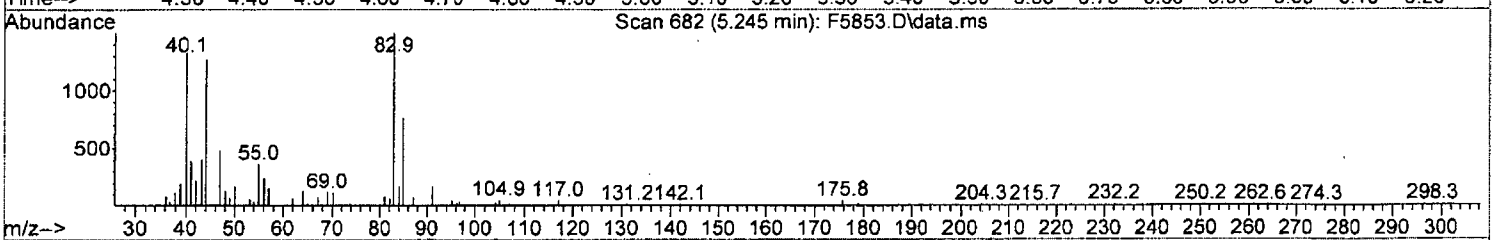
Ion	Exp%	Act%
77.00	100	100
79.00	28.90	36.56
96.90	22.20	27.15
0.00	0.00	0.00

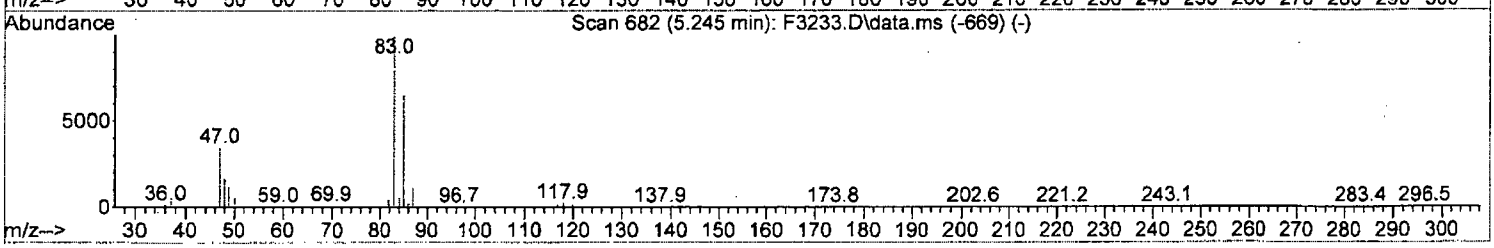
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 03 15:03:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration







TIC: F5853.D\data.ms

(39) Chloroform (P)

5.245min (+0.006) 0.55 ug/L

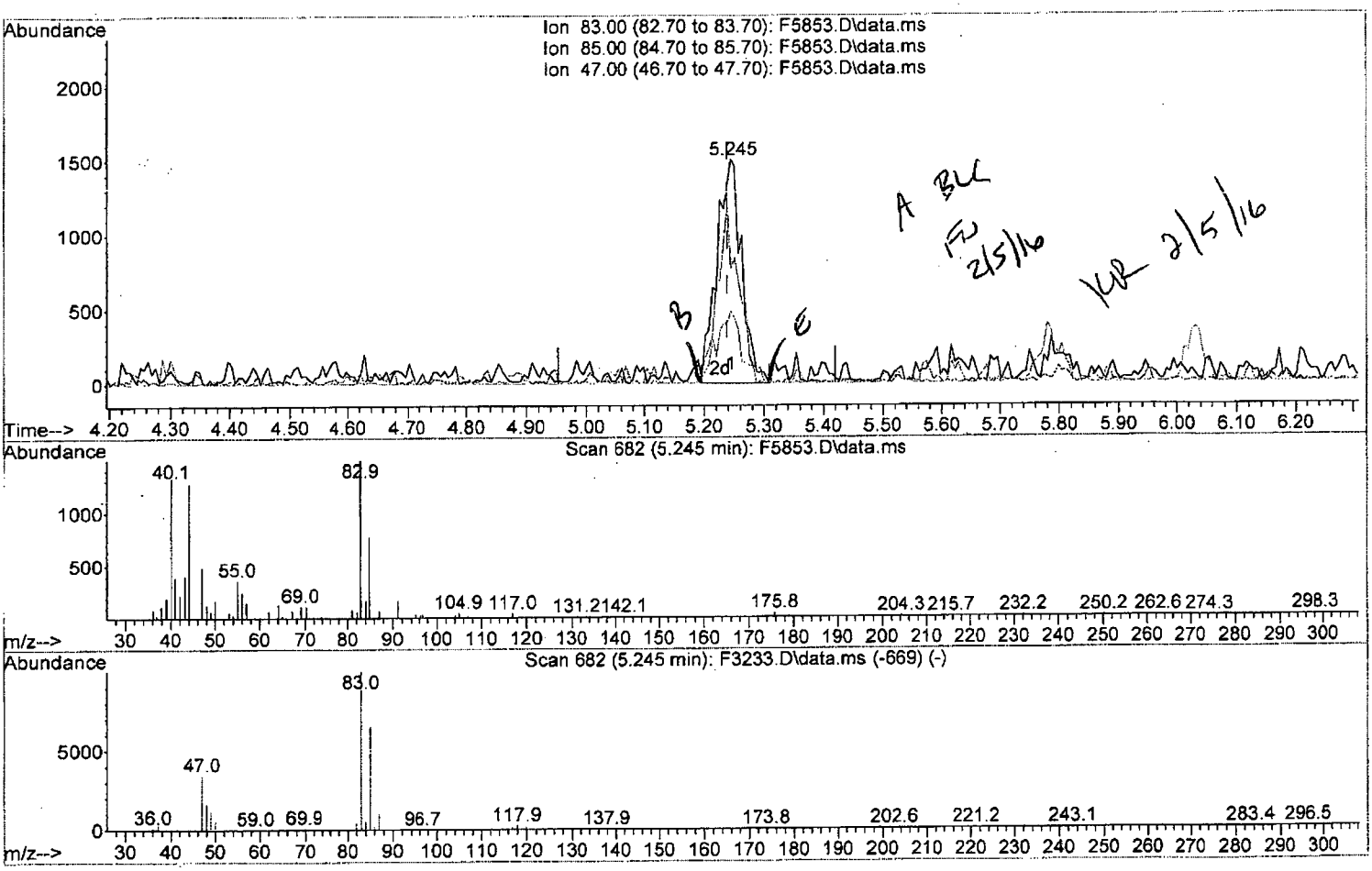
response 2442

Ion	Exp%	Act%
83.00	100	100
85.00	64.70	51.07
47.00	34.40	32.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 03 15:03:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5853.D\data.ms

(39) Chloroform (P)

5.245min (+0.006) 0.96 ug/L m

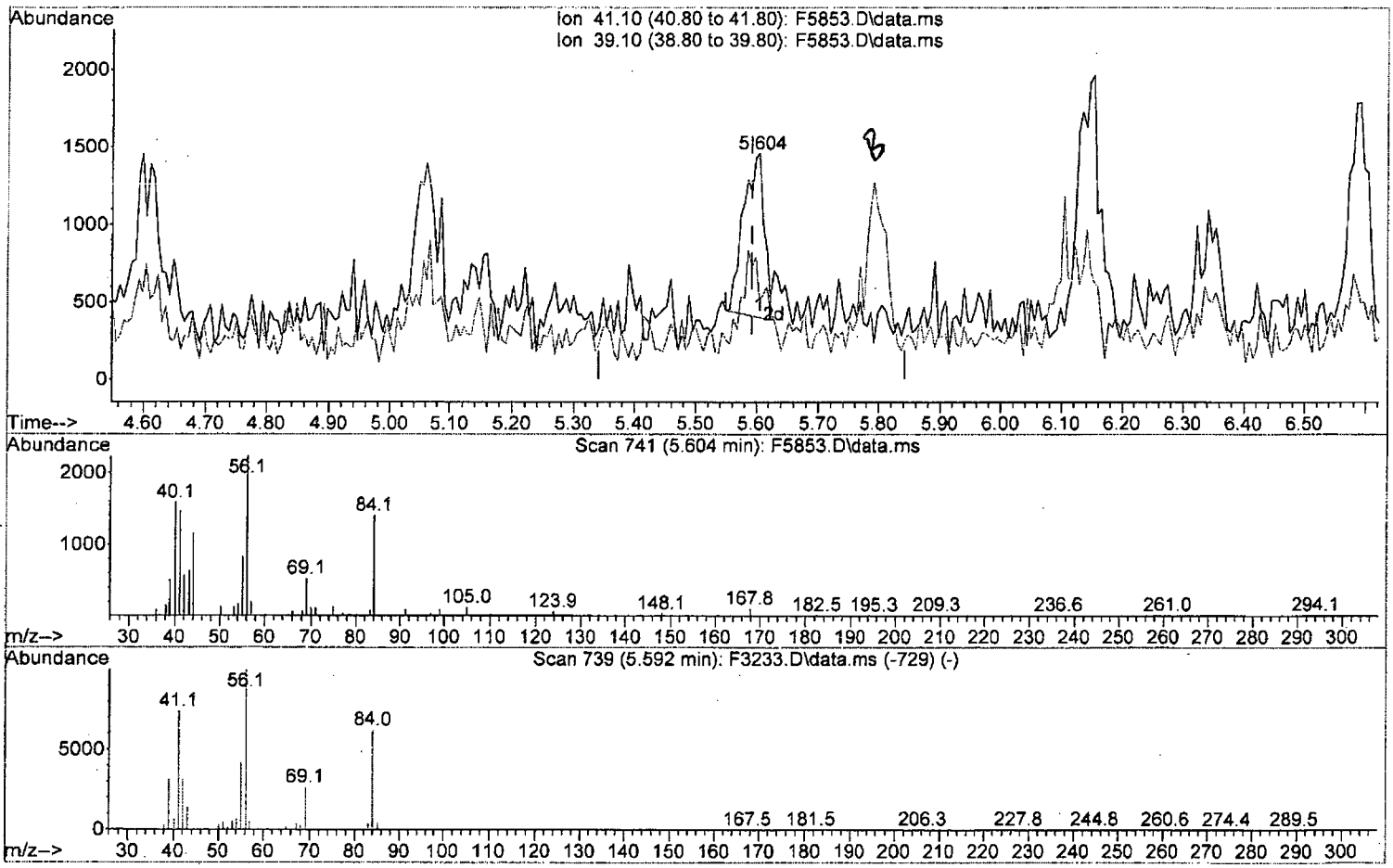
response 4274

Ion	Exp%	Act%
83.00	100	100
85.00	64.70	51.07
47.00	34.40	32.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 03 15:03:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5853.D\data.ms

(42) Cyclohexane (P)

5.604min (+0.012) 0.73 ug/L

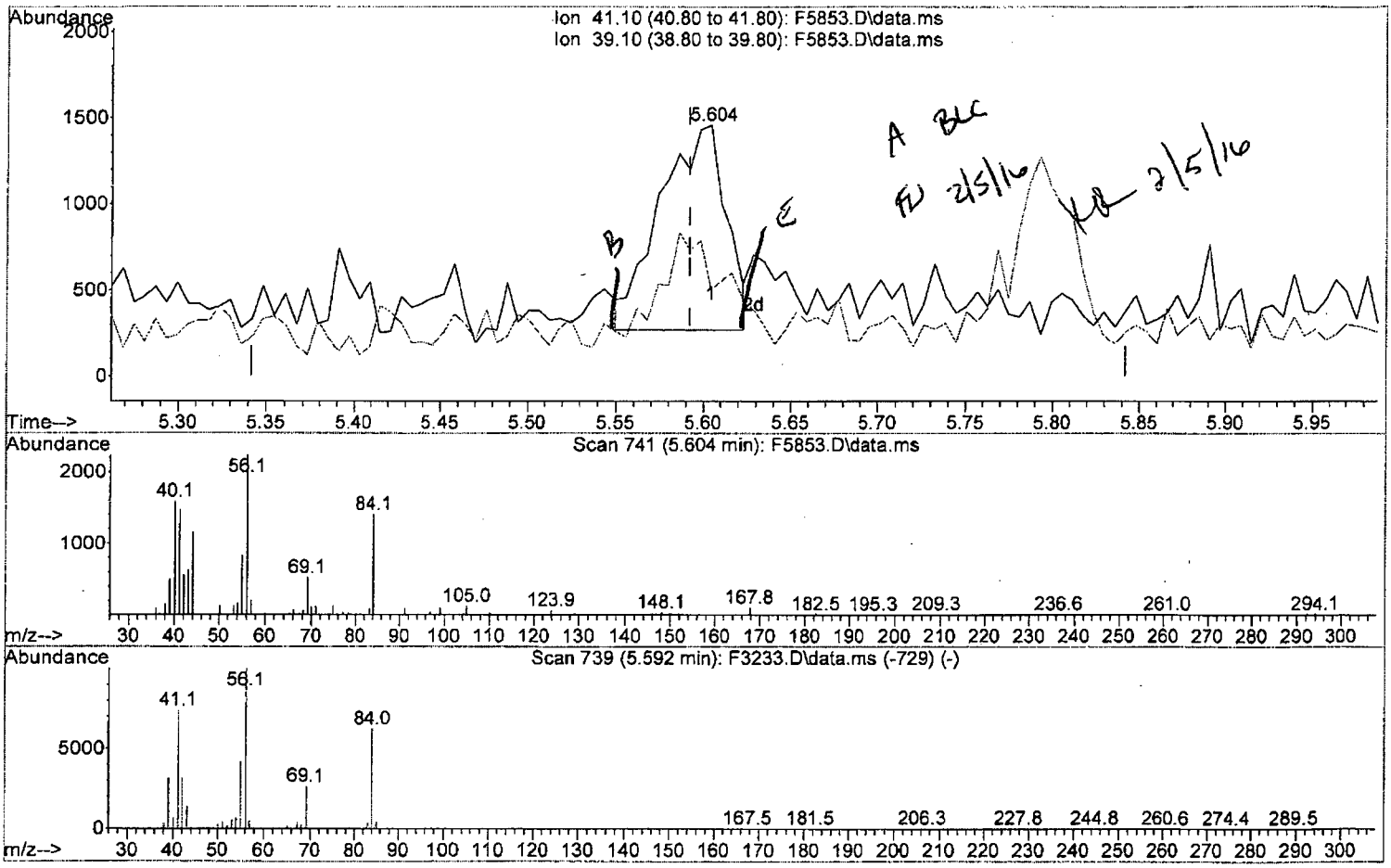
response 2475

Ion	Exp%	Act%
41.10	100	100
39.10	42.10	34.62
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 04 12:44:28 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5853.D\data.ms

(42) Cyclohexane (P)

5.604min (+0.012) 0.92 ug/L m

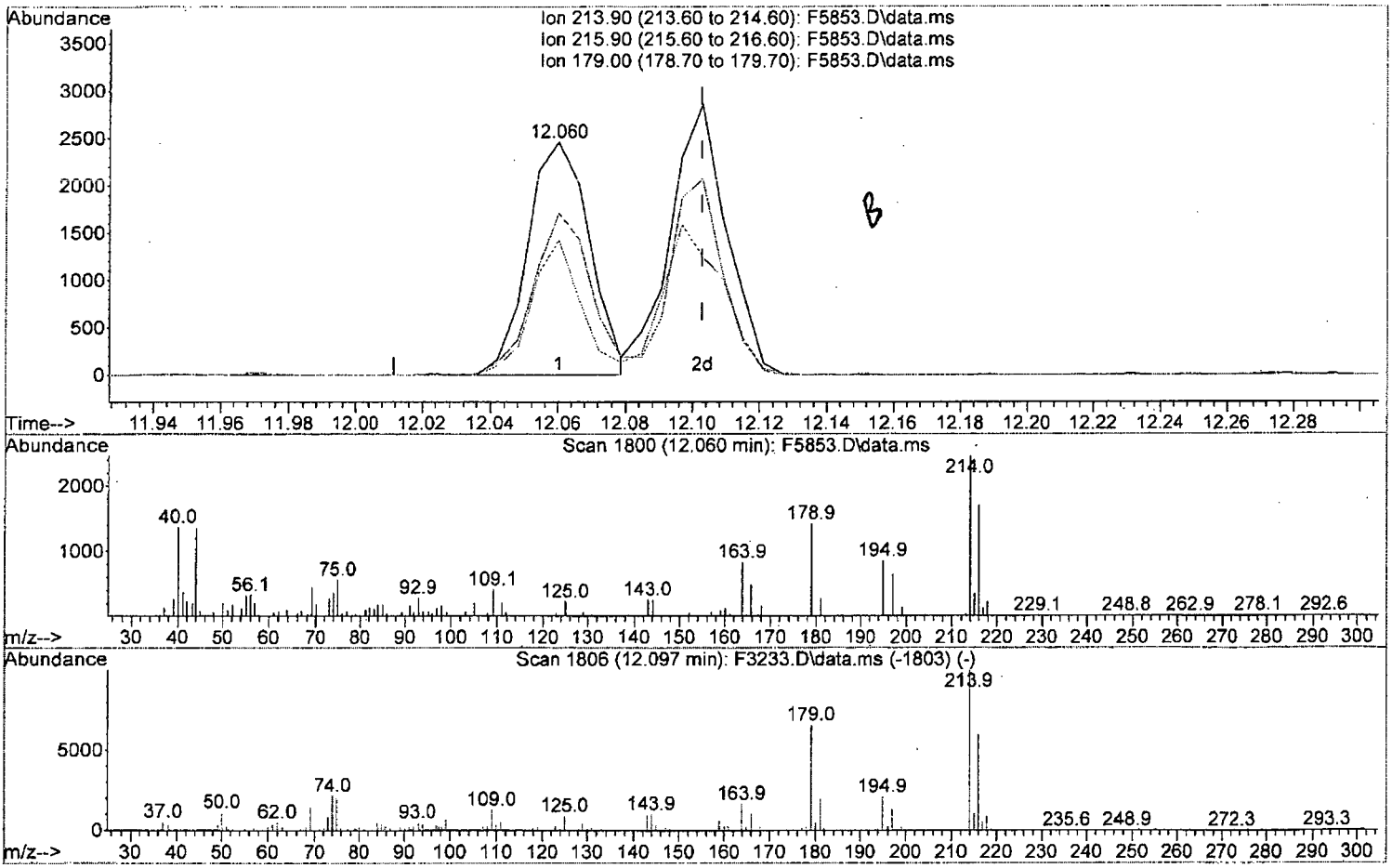
response 3120

Ion	Exp%	Act%
41.10	100	100
39.10	42.10	34.62
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 03 15:03:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5853.D\data.ms

(107) 2,5-Dichlorobenzotrifluoride

12.060min (-0.043) 1.13 ug/L

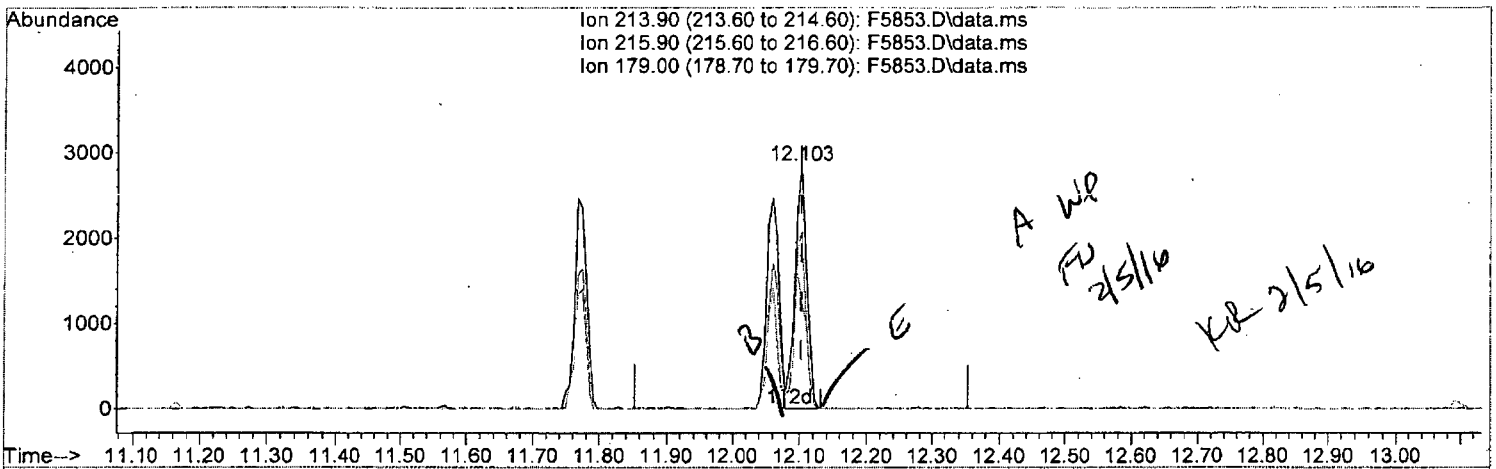
response 3148

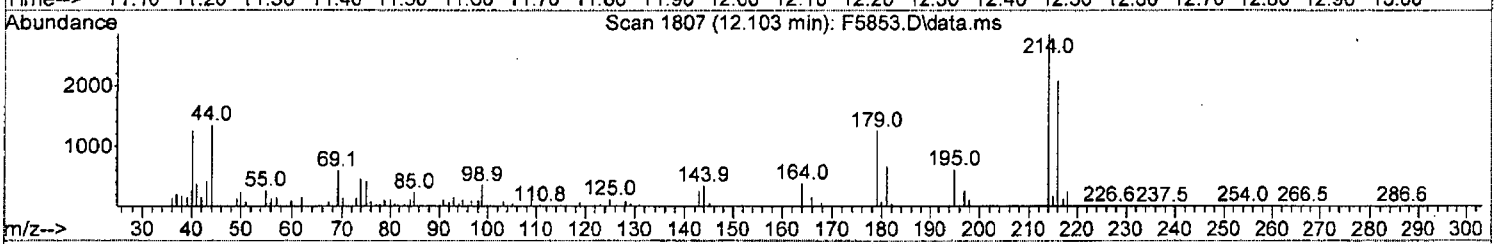
Ion	Exp%	Act%
213.90	100	100
215.90	59.00	69.35
179.00	64.10	57.79
0.00	0.00	0.00

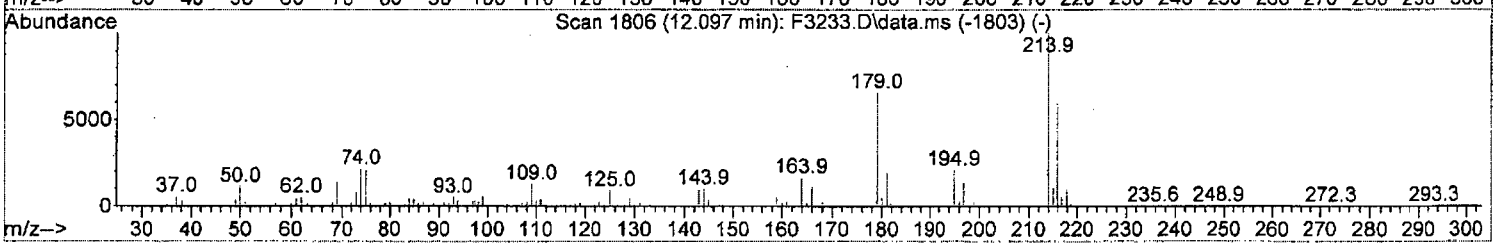
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 03 15:03:32 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration







TIC: F5853.D\data.ms

(107) 2,5-Dichlorobenzotrifluoride

12.103min (+0.000) 1.19 ug/L m

response 3339

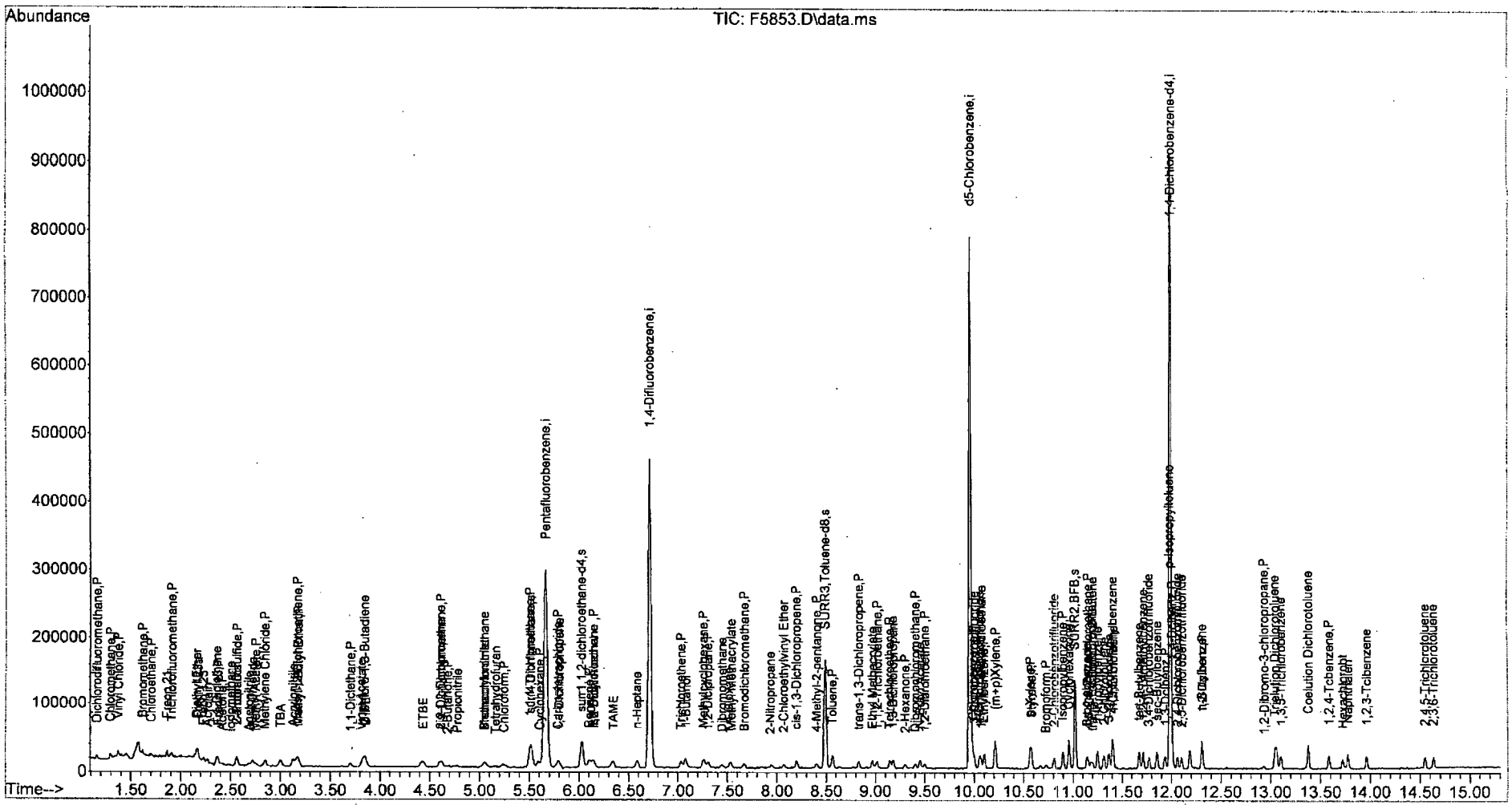
Ion	Exp%	Act%
213.90	100	100
215.90	59.00	72.55
179.00	64.10	43.65#
0.00	0.00	0.00

A WP FN 2/5/16 KB 2/5/16

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5853.D
Acq On : 3 Feb 2016 2:49 pm
Operator : F. Naegler
Sample : 1.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 04 15:24:16 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5854.D
Acq On : 3 Feb 2016 3:13 pm
Operator : F. Naegler
Sample : 2.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 04 12:48:23 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

FW 2/5/16
KB 2/5/16

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	260907	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	370655	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	315211	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	168820	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.507	113	24282	10.67	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 21.34%#			
46) surr1,1,2-dichloroetha...	6.031	65	30728	10.81	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 21.62%#			
64) SURR3,Toluene-d8	8.488	98	99316	11.45	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 22.90%#			
69) SURR2,BFB	11.018	95	37434	11.14	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 22.28%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.154	85	5563	1.67	ug/L	98
3) Chloromethane	1.294	50	8854	1.59	ug/L	100
4) Vinyl Chloride	1.373	62	7102	1.94	ug/L	96
5) Bromomethane	1.611	94	4529	2.15	ug/L	83
6) Chloroethane	1.696	64	4070	2.05	ug/L	90
7) Freon 21	1.861	67	9562	2.29	ug/L	93
8) Trichlorofluoromethane	1.910	101	5544	1.77	ug/L	97
9) Diethyl Ether	2.160	59	5231	1.72	ug/L	94
10) Freon 123a	2.172	67	5247	1.67	ug/L #	70
11) Freon 123	2.227	83	6220	1.85	ug/L	99
12) Acrolein	2.263	56	6861	7.21	ug/L	96
13) 1,1-Diclethene	2.361	96	4098	1.83	ug/L #	84
14) Freon 113	2.373	101	3860	1.78	ug/L	92
15) Acetone	2.416	43	4706	2.09	ug/L	95
16) 2-Propanol	2.562	45	14141	37.64	ug/L	95
17) Iodomethane	2.507	142	2028m	1.91	ug/L	
18) Carbon Disulfide	2.562	76	12121	1.99	ug/L	91
19) Acetonitrile	2.678	40	5087m	11.02	ug/L	
20) Allyl Chloride	2.721	76	2204	1.89	ug/L #	79
21) Methyl Acetate	2.751	43	7867	1.70	ug/L	94
22) Methylene Chloride	2.849	84	5297	1.82	ug/L #	75
23) TBA	3.001	59	20671	45.60	ug/L	96
24) Acrylonitrile	3.123	53	17403	8.57	ug/L	97
25) Methyl-t-Butyl Ether	3.178	73	17159	2.13	ug/L	96
26) trans-1,2-Dichloroethene	3.166	96	4536	1.85	ug/L #	80
27) 1,1-Diclethane	3.702	63	9093	1.84	ug/L	95
28) Vinyl Acetate	3.818	86	1090m	2.73	ug/L	
29) DIPE	3.848	45	21682	1.71	ug/L	88
30) 2-Chloro-1,3-Butadiene	3.836	53	10289	1.83	ug/L	99
31) ETBE	4.434	59	18871	2.15	ug/L	97
32) 2,2-Dichloropropane	4.592	77	7211	2.68	ug/L	85
33) cis-1,2-Dichloroethene	4.617	96	5260	1.88	ug/L #	58
34) 2-Butanone	4.690	43	5696	1.93	ug/L	82
35) Propionitrile	4.775	54	7165	8.88	ug/L #	49

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5854.D
Acq On : 3 Feb 2016 3:13 pm
Operator : F. Naegler
Sample : 2.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 04 12:48:23 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Bromochloromethane	5.043	130	3233	1.82	ug/L		93
37) Methacrylonitrile	5.043	67	2665	1.70	ug/L	#	64
38) Tetrahydrofuran	5.171	42	2962	1.59	ug/L		77
39) Chloroform	5.238	83	8243m	1.91	ug/L		
40) 1,1,1-Trichloroethane	5.513	97	7204	2.40	ug/L		87
42) Cyclohexane	5.592	41	6846	2.06	ug/L		99
44) Carbontetrachloride	5.781	121	1680	2.82	ug/L	#	68
45) 1,1-Dichloropropene	5.805	75	5769	1.95	ug/L		98
47) Benzene	6.104	78	18405	1.93	ug/L		90
48) 1,2-Dichloroethane	6.147	62	6909	1.79	ug/L		89
49) Iso-Butyl Alcohol	6.147	43	11069	52.26	ug/L		98
50) TAME	6.336	73	15782	2.52	ug/L		93
51) n-Heptane	6.586	43	8409	1.99	ug/L		97
52) 1-Butanol	7.073	56	15622	166.04	ug/L		89
53) Trichloroethene	7.031	130	5439	2.17	ug/L	#	81
54) Methylcyclohexane	7.256	55	7997	2.15	ug/L		97
55) 1,2-Diclpropane	7.299	63	5336	2.01	ug/L		80
56) Dibromomethane	7.451	93	3257	2.03	ug/L	#	68
57) 1,4-Dioxane	7.506	88	2038	40.29	ug/L		98
58) Methyl Methacrylate	7.531	69	4794	2.30	ug/L	#	88
59) Bromodichloromethane	7.665	83	6043	2.23	ug/L		98
60) 2-Nitropropane	7.939	41	5465	9.54	ug/L		99
61) 2-Chloroethylvinyl Ether	8.073	63	3339	1.87	ug/L		89
62) cis-1,3-Dichloropropene	8.201	75	7763	2.54	ug/L		95
63) 4-Methyl-2-pentanone	8.402	43	9678	2.12	ug/L		97
65) Toluene	8.561	91	19178	1.99	ug/L		99
66) trans-1,3-Dichloropropene	8.829	75	7021	2.79	ug/L		83
67) Ethyl Methacrylate	8.963	69	7666	2.35	ug/L		86
68) 1,1,2-Trichloroethane	9.012	97	4542	2.03	ug/L		89
71) Tetrachloroethene	9.146	164	3608	2.05	ug/L	#	84
72) 2-Hexanone	9.292	43	7025	2.13	ug/L		99
73) 1,3-Dichloropropane	9.177	76	8083	2.09	ug/L		90
74) Dibromochloromethane	9.402	129	4824	2.67	ug/L		96
75) N-Butyl Acetate	9.451	43	12616	2.04	ug/L		95
76) 1,2-Dibromoethane	9.500	107	4685	2.07	ug/L		92
77) 3-Chlorobenzotrifluoride	10.000	180	8164	2.48	ug/L		93
78) Chlorobenzene	9.981	112	13457	2.17	ug/L		94
79) 4-Chlorobenzotrifluoride	10.055	180	6698	2.30	ug/L		88
80) 1,1,1,2-Tetrachloroethane	10.073	131	4516	2.35	ug/L		91
81) Ethylbenzene	10.103	106	6655	2.08	ug/L		98
82) (m+p)Xylene	10.213	106	16397	4.17	ug/L		100
83) o-Xylene	10.567	106	8287	2.11	ug/L	#	86
84) Styrene	10.579	104	14257	2.16	ug/L		96
85) Bromoform	10.731	173	3408	2.83	ug/L		97
86) 2-Chlorobenzotrifluoride	10.810	180	7346	2.28	ug/L		93
87) Isopropylbenzene	10.896	105	22001	2.28	ug/L		98
88) Cyclohexanone	10.957	55	27290	41.46	ug/L		87
89) trans-1,4-Dichloro-2-B...	11.201	53	2760	2.33	ug/L		96
91) 1,1,2,2-Tetrachloroethane	11.152	83	5541	1.64	ug/L		93
92) Bromobenzene	11.140	156	5524	2.04	ug/L	#	84
93) 1,2,3-Trichloropropane	11.188	110	2339	2.34	ug/L	#	81

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5854.D
Acq On : 3 Feb 2016 3:13 pm
Operator : F. Naegler
Sample : 2.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 04 12:48:23 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

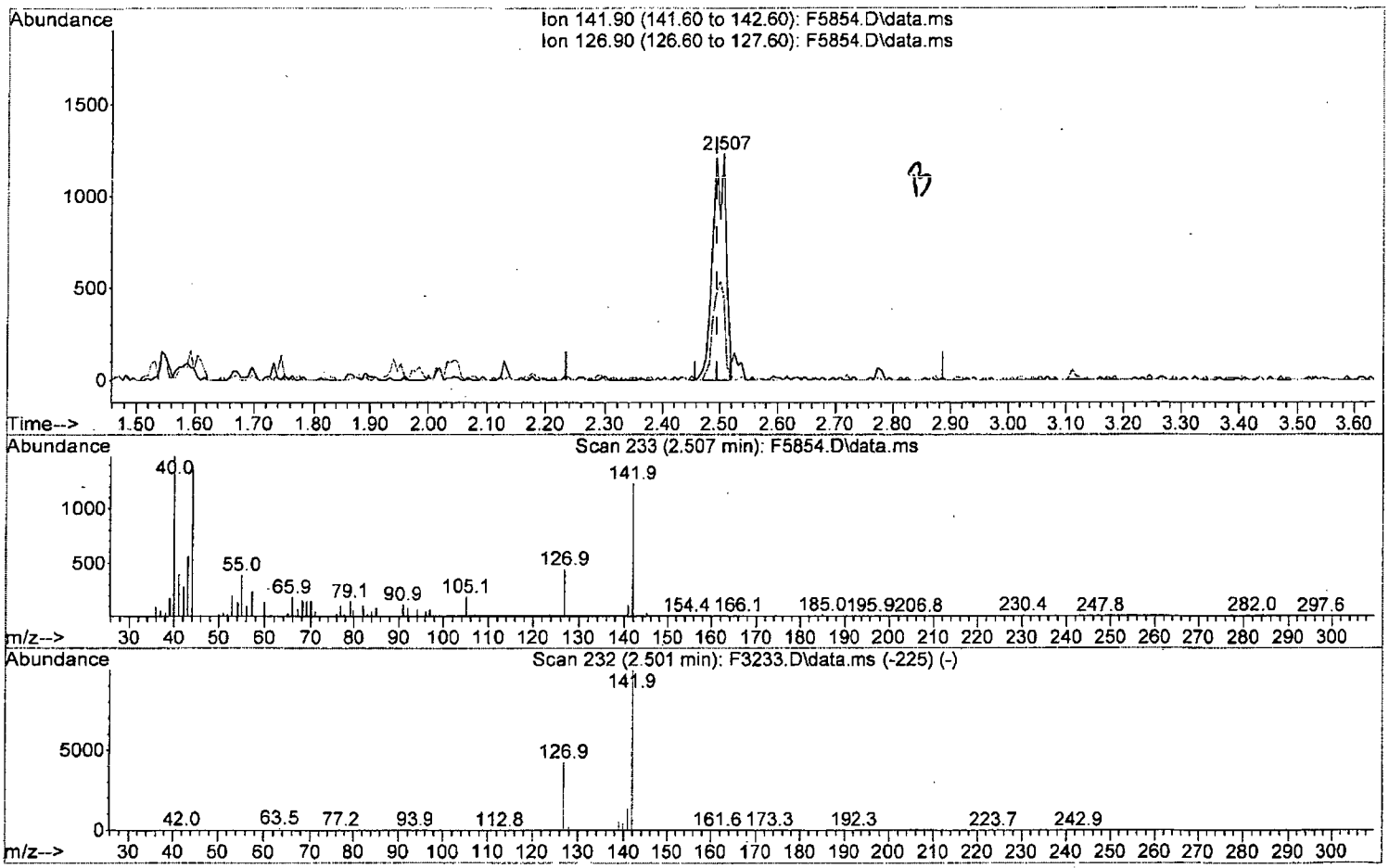
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
94)	n-Propylbenzene	11.249	91	25290	2.01	ug/L		96
95)	2-Chlorotoluene	11.310	91	14862	2.06	ug/L		100
96)	3-Chlorotoluene	11.365	91	15987	2.12	ug/L		99
97)	4-Chlorotoluene	11.408	91	17215	2.03	ug/L		96
98)	1,3,5-Trimethylbenzene	11.402	105	18529	2.31	ug/L		100
99)	tert-Butylbenzene	11.676	119	16063	2.19	ug/L		96
100)	1,2,4-Trimethylbenzene	11.713	105	19015	2.23	ug/L		88
101)	3,4-Dichlorobenzotrifl...	11.774	214	5847	2.25	ug/L		92
102)	sec-Butylbenzene	11.853	105	23298	2.16	ug/L		94
103)	p-Isopropyltoluene	11.975	119	18140	2.22	ug/L		99
104)	1,3-Dclbenz	11.932	146	10598	2.07	ug/L		98
105)	1,4-Dclbenz	12.005	146	11404	2.19	ug/L		93
106)	2,4-Dichlorobenzotrifl...	12.060	214	5338	2.26	ug/L		94
107)	2,5-Dichlorobenzotrifl...	12.103	214	5945	2.23	ug/L		92
108)	n-Butylbenzene	12.304	91	17349	2.17	ug/L		95
109)	1,2-Dclbenz	12.304	146	10166	1.98	ug/L		94
110)	1,2-Dibromo-3-chloropr...	12.926	157	1571	2.35	ug/L	#	82
111)	Trielution Dichlorotol...	13.042	125	28866	6.43	ug/L		88
112)	1,3,5-Trichlorobenzene	13.103	180	8365	2.16	ug/L		98
113)	Coelution Dichlorotoluene	13.377	125	21646	4.30	ug/L		97
114)	1,2,4-Tcbenzene	13.584	180	7347	2.03	ug/L		95
115)	Hexachlorobt	13.725	225	3597	2.58	ug/L		97
116)	Naphthalen	13.773	128	23276	2.15	ug/L		95
117)	1,2,3-Tclbenzene	13.962	180	7557	2.04	ug/L		94
118)	2,4,5-Trichlorotoluene	14.548	159	6201	2.28	ug/L		94
119)	2,3,6-Trichlorotoluene	14.633	159	5267	2.14	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5854.D
Acq On : 3 Feb 2016 3:13 pm
Operator : F. Naegler
Sample : 2.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 03 15:27:48 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5854.D\data.ms

(17) Iodomethane

2.507min (+0.012) 1.86 ug/L

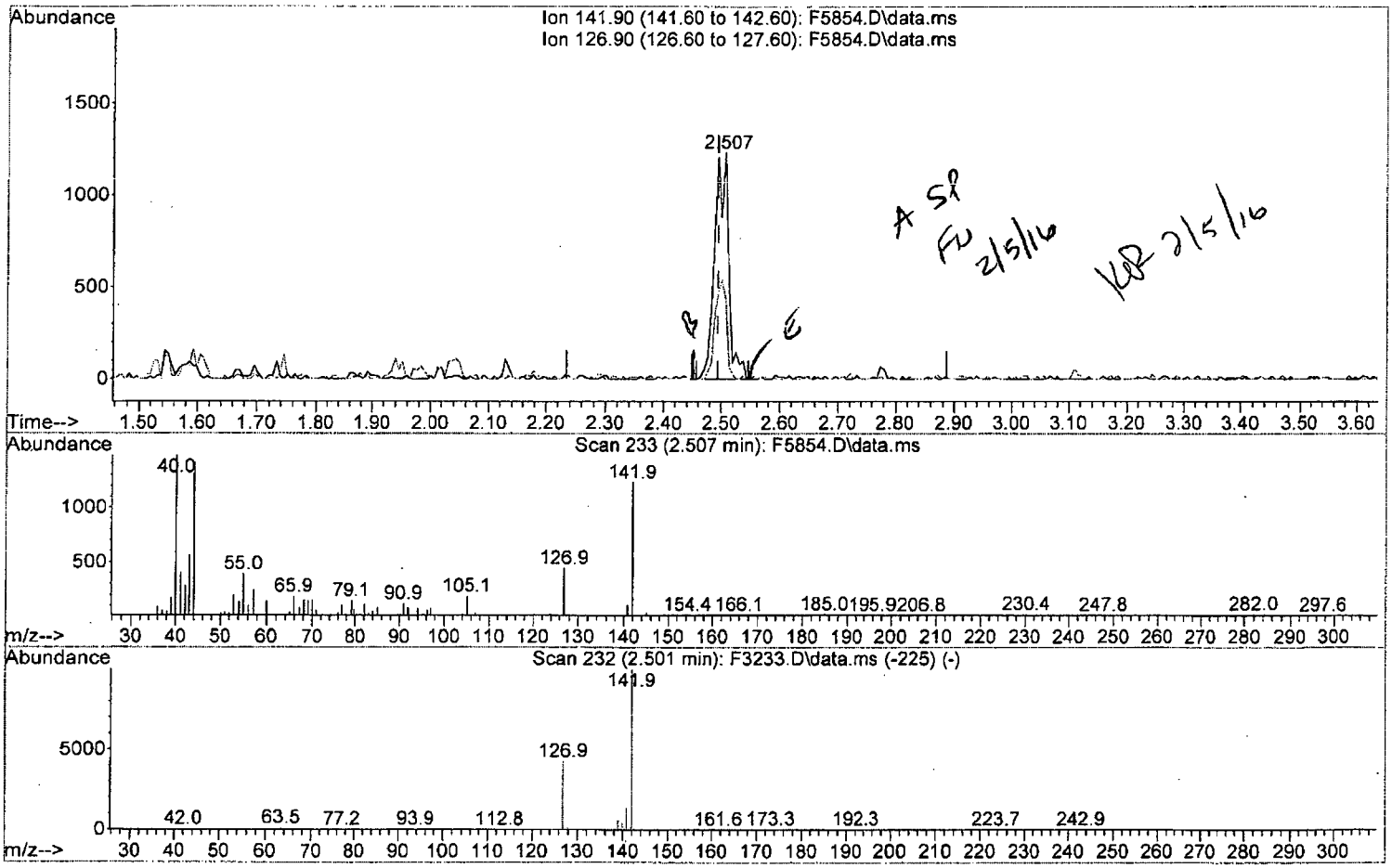
response 1911

Ion	Exp%	Act%
141.90	100	100
126.90	42.40	35.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5854.D
Acq On : 3 Feb 2016 3:13 pm
Operator : F. Naegler
Sample : 2.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 03 15:27:48 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5854.D\data.ms

(17) Iodomethane

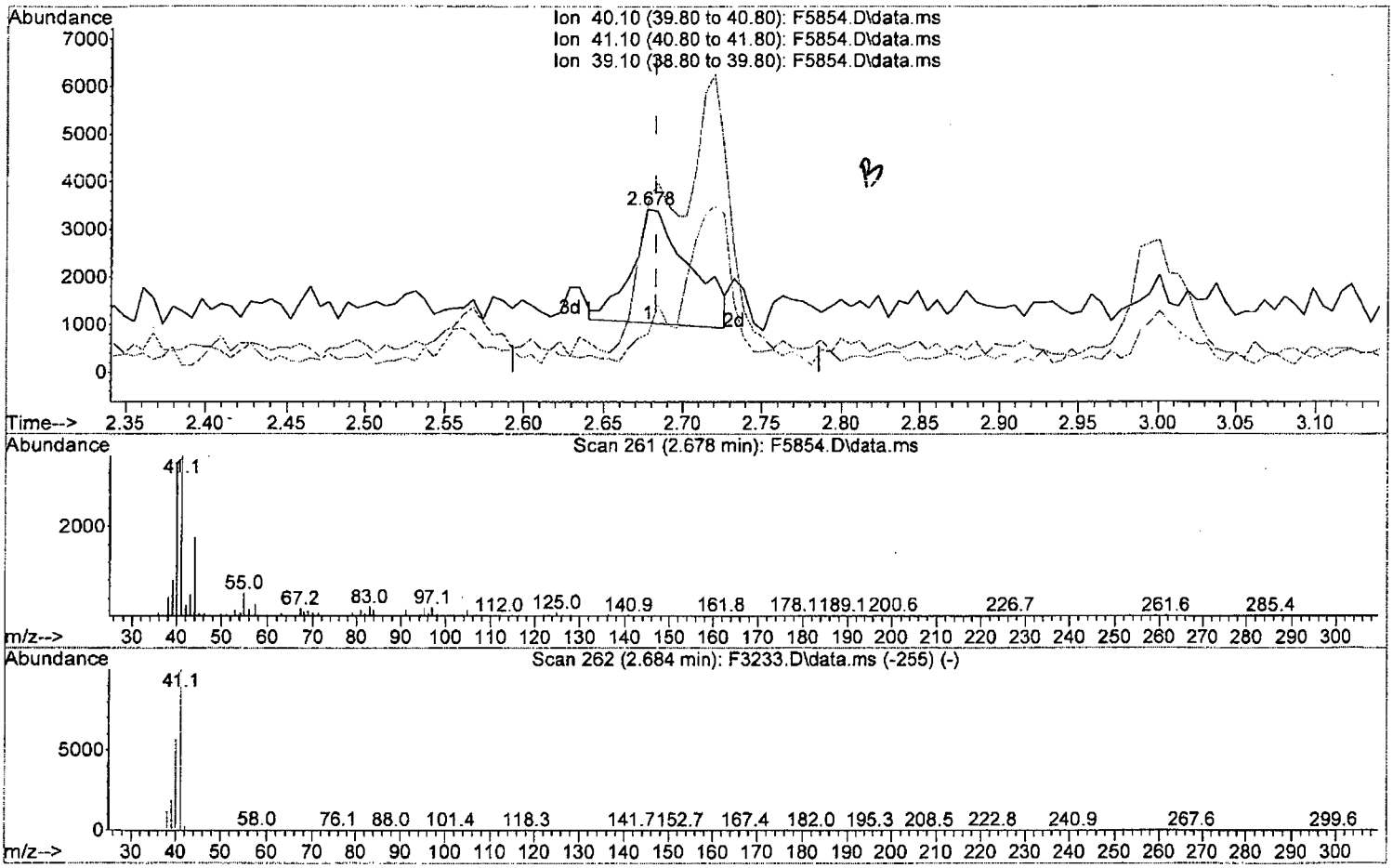
2.507min (+0.012) 1.91 ug/L m

response 2028

Ion	Exp%	Act%
141.90	100	100
126.90	42.40	35.83
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5854.D
Acq On : 3 Feb 2016 3:13 pm
Operator : F. Naegler
Sample : 2.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 03 15:27:48 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5854.D\data.ms

(19) Acetonitrile

2.678min (-0.005) 13.22 ug/L

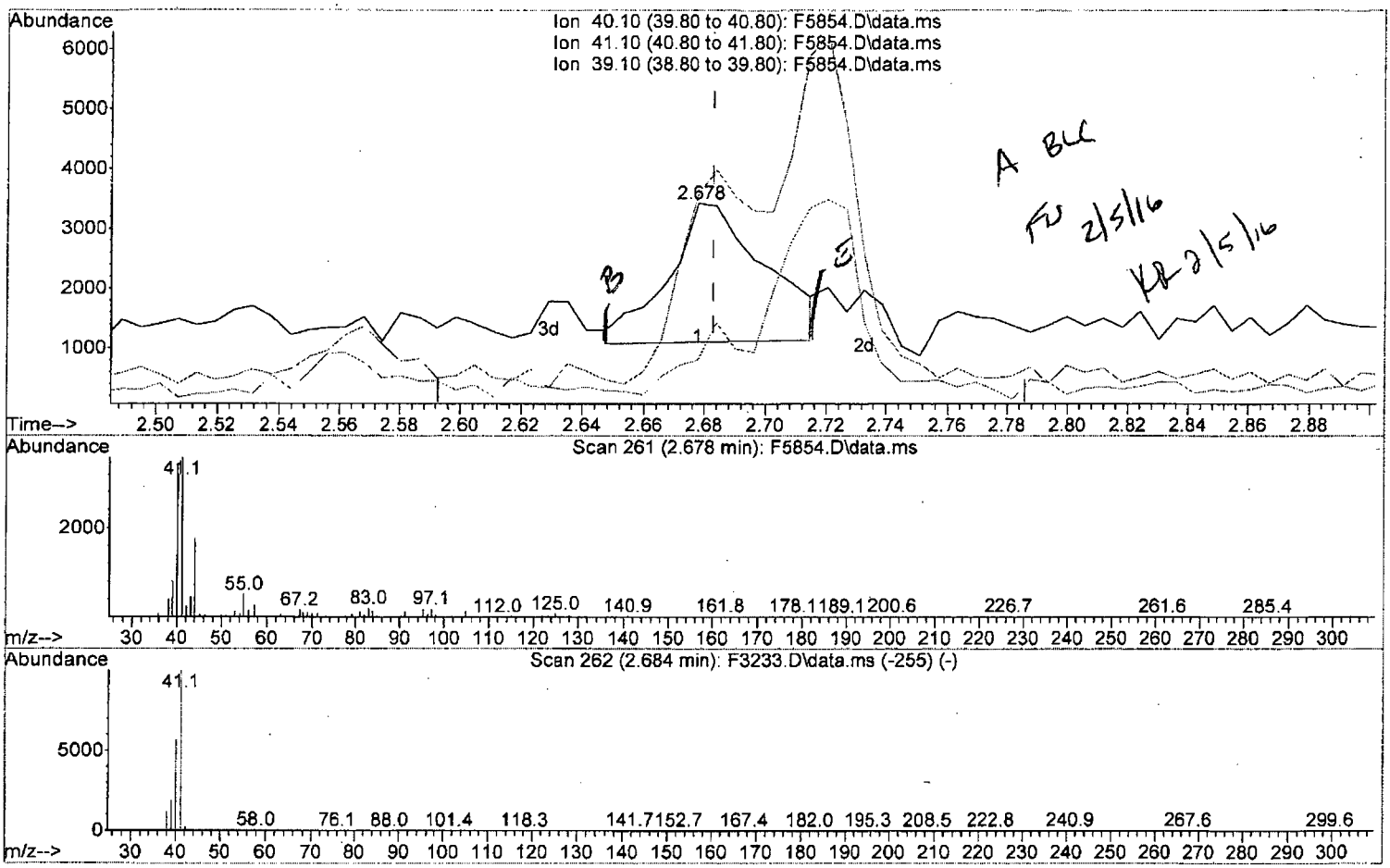
response 6101

Ion	Exp%	Act%
40.10	100	100
41.10	176.40	104.51#
39.10	34.00	23.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5854.D
Acq On : 3 Feb 2016 3:13 pm
Operator : F. Naegler
Sample : 2.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 03 15:27:48 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5854.D\data.ms

(19) Acetonitrile

2.678min (-0.005) 11.02 ug/L m

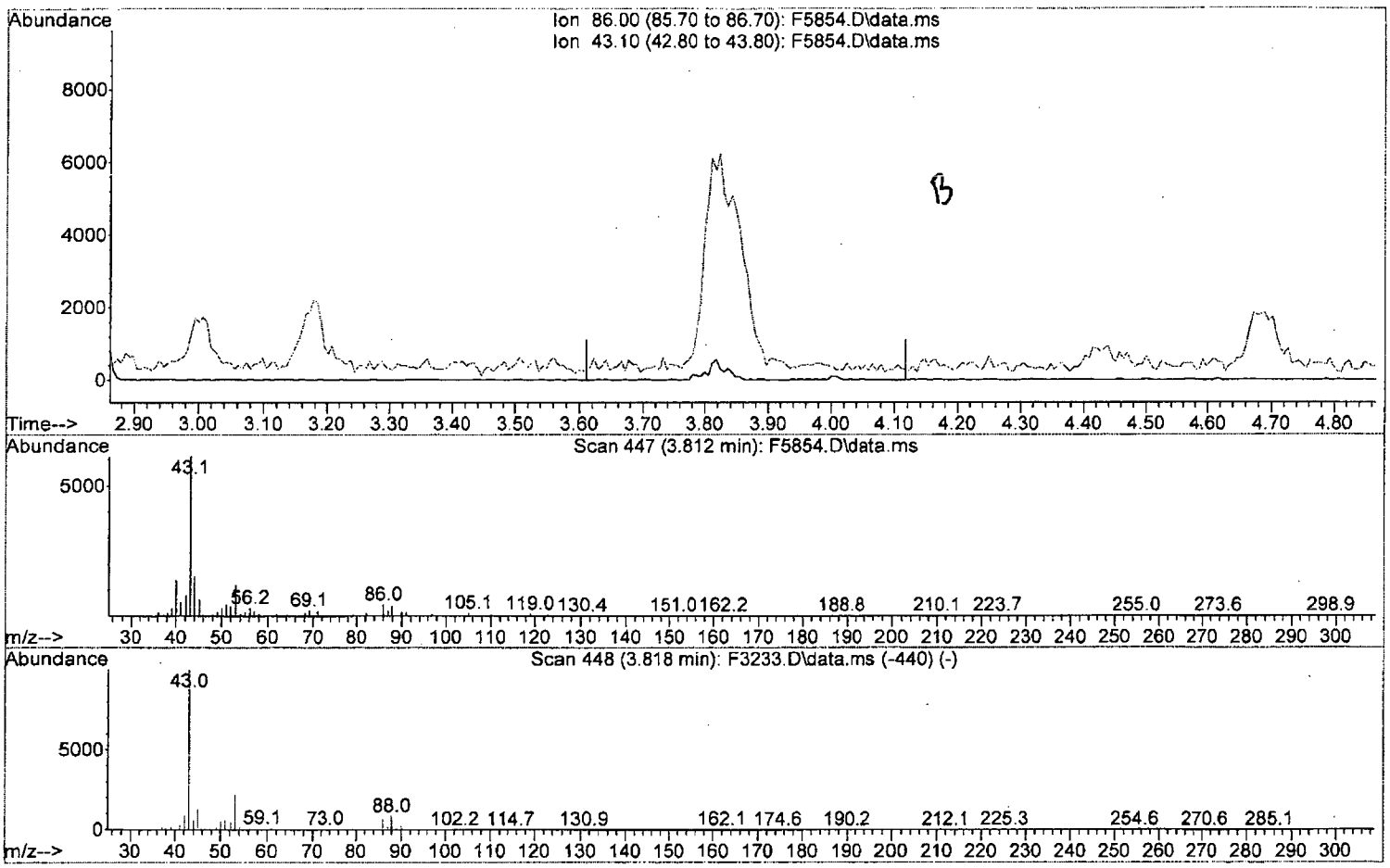
response 5087

Ion	Exp%	Act%
40.10	100	100
41.10	176.40	104.51#
39.10	34.00	23.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5854.D
Acq On : 3 Feb 2016 3:13 pm
Operator : F. Naegler
Sample : 2.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 03 15:27:48 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5854.D\data.ms

(28) Vinyl Acetate

3.811min (-3.811) 0.00 ug/L

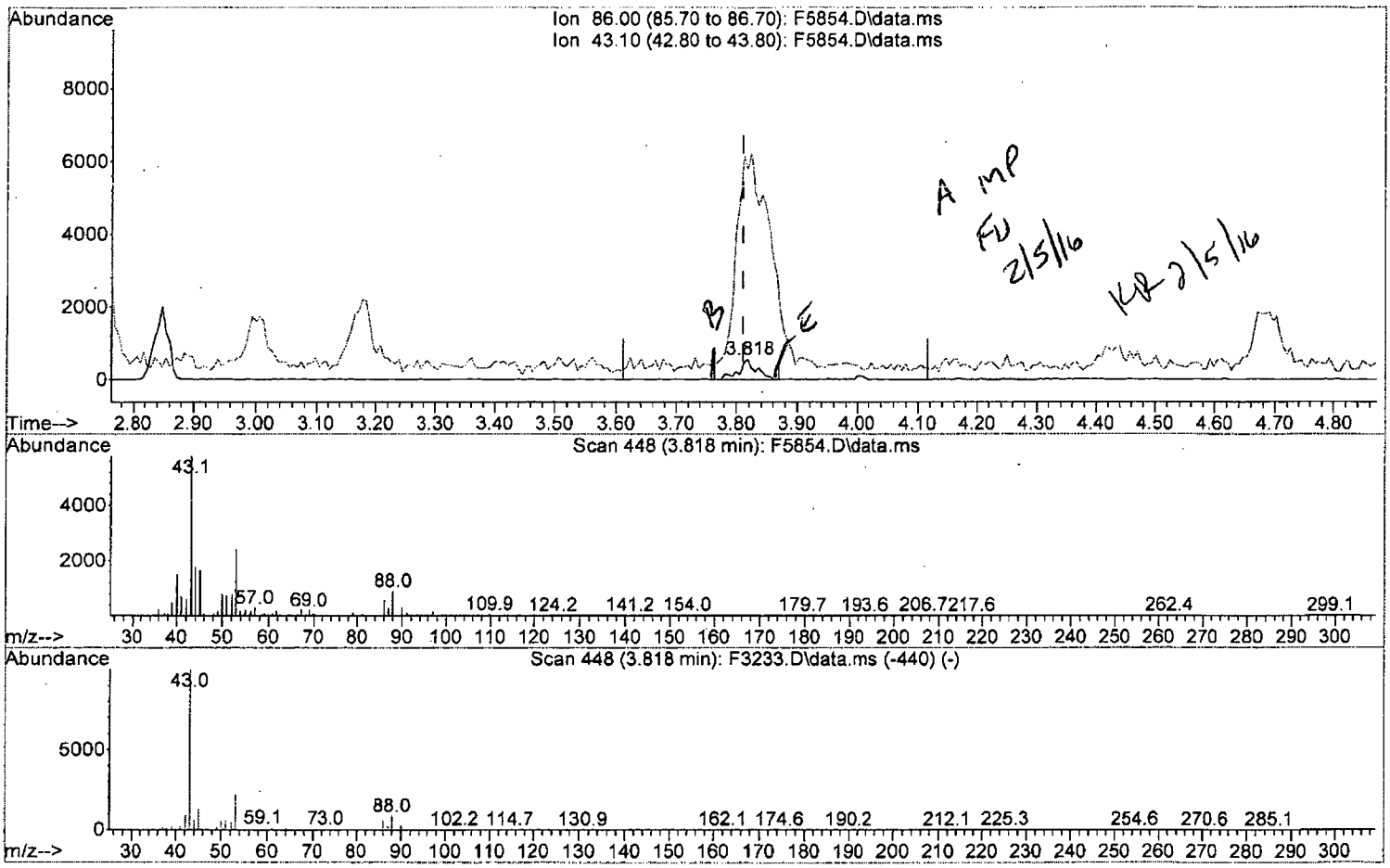
response 0

Ion	Exp%	Act%
86.00	100	0.00
43.10	1588.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5854.D
Acq On : 3 Feb 2016 3:13 pm
Operator : F. Naegler
Sample : 2.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 03 15:27:48 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5854.D\data.ms

(28) Vinyl Acetate

3.818min (+0.007) 2.73 ug/L m

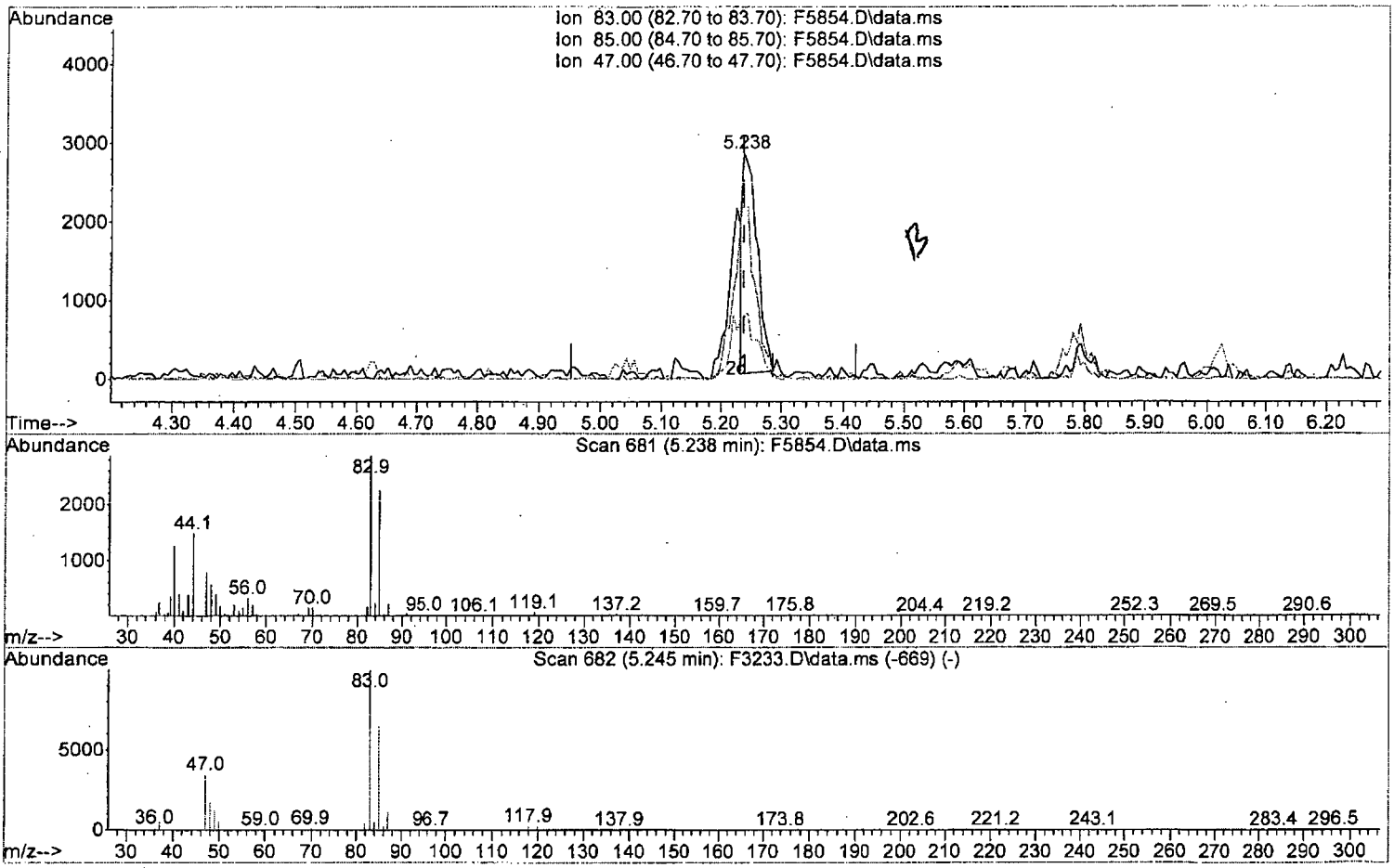
response 1090

Ion	Exp%	Act%
86.00	100	100
43.10	1588.80	1032.92#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5854.D
Acq On : 3 Feb 2016 3:13 pm
Operator : F. Naegler
Sample : 2.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 03 15:27:48 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5854.D\data.ms

(39) Chloroform (P)

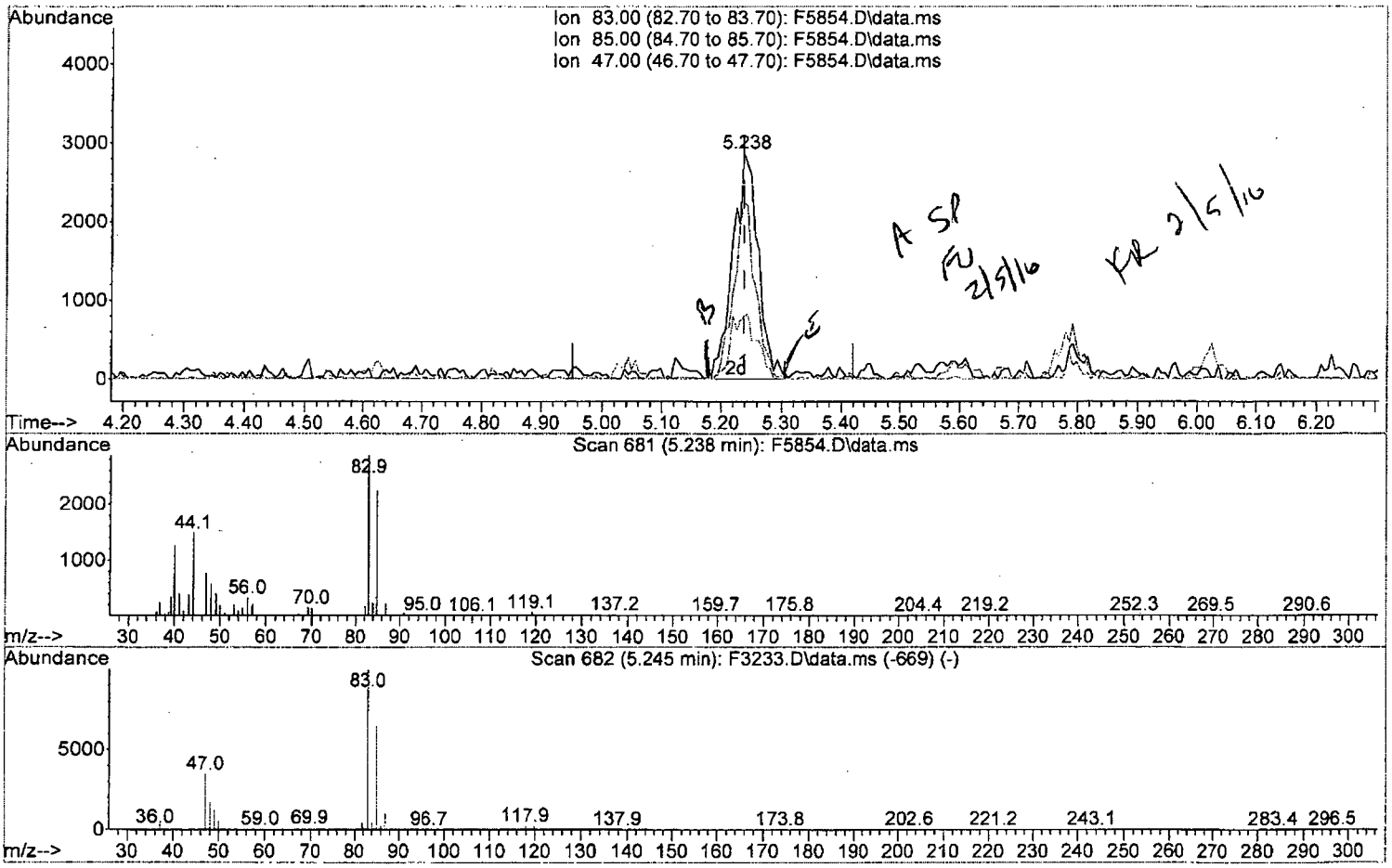
5.238min (+0.000) 1.07 ug/L

response 4637

Ion	Exp%	Act%
83.00	100	100
85.00	64.70	78.14
47.00	34.40	26.85
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5854.D
Acq On : 3 Feb 2016 3:13 pm
Operator : F. Naegler
Sample : 2.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 03 15:27:48 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5854.D\data.ms

(39) Chloroform (P)

5.238min (+0.000) 1.91 ug/L m

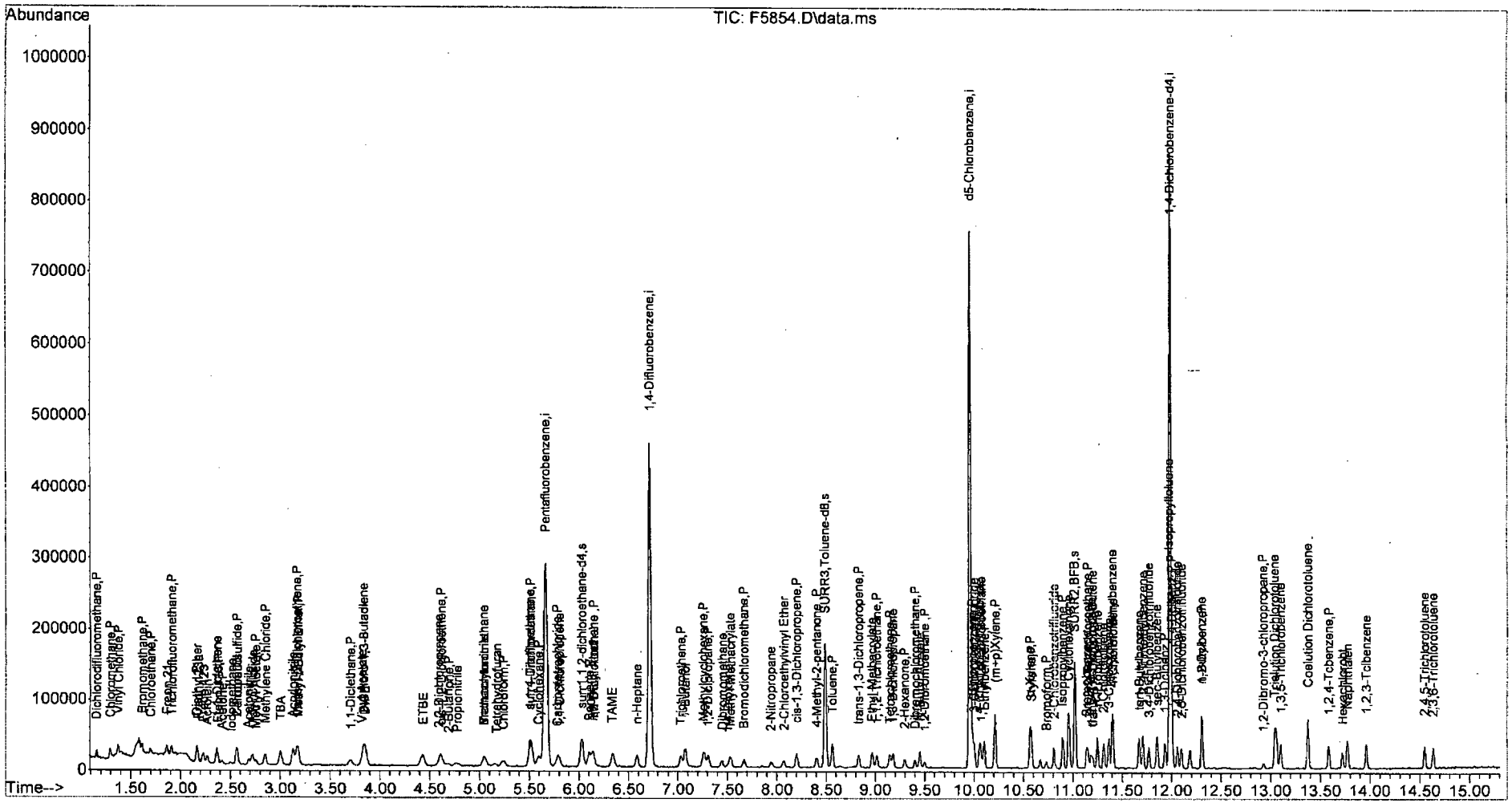
response 8243

Ion	Exp%	Act%
83.00	100	100
85.00	64.70	78.14
47.00	34.40	26.85
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5854.D
Acq On : 3 Feb 2016 3:13 pm
Operator : F. Naegler
Sample : 2.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 04 12:48:23 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5855.D
Acq On : 3 Feb 2016 3:37 pm
Operator : F. Naegler
Sample : 5.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 04 14:09:46 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

FV 2/5/16

KL 2/5/16

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.665	168	274639	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.714	114	386319	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.957	117	327422	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	175745	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.513	113	24963	10.53	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 21.06%#				
46) surr1,1,2-dichloroetha...	6.025	65	30203	10.19	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 20.38%#				
64) SURR3,Toluene-d8	8.488	98	99754	11.03	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 22.06%#				
69) SURR2,BFB	11.018	95	36557	10.44	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 20.88%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	15841	4.51	ug/L		97
3) Chloromethane	1.294	50	23116	3.93	ug/L		93
4) Vinyl Chloride	1.373	62	20417	5.30	ug/L		97
5) Bromomethane	1.611	94	10877	5.09	ug/L		86
6) Chloroethane	1.697	64	11012	5.27	ug/L		97
7) Freon 21	1.861	67	23118	5.26	ug/L		98
8) Trichlorofluoromethane	1.910	101	16639	5.05	ug/L		96
9) Diethyl Ether	2.160	59	14468	4.51	ug/L		91
10) Freon 123a	2.166	67	15456	4.68	ug/L		99
11) Freon 123	2.227	83	15796	4.46	ug/L		93
12) Acrolein	2.270	56	19130	19.09	ug/L		98
13) 1,1-Diclethene	2.361	96	10720	4.54	ug/L	#	82
14) Freon 113	2.367	101	10143	4.44	ug/L		97
15) Acetone	2.410	43	10609	4.48	ug/L		96
16) 2-Propanol	2.568	45	42494	107.47	ug/L		98
17) Iodomethane	2.495	142	7446	3.76	ug/L		84
18) Carbon Disulfide	2.556	76	32078	5.01	ug/L		98
19) Acetonitrile	2.684	40	10567m	21.76	ug/L		
20) Allyl Chloride	2.721	76	5895	4.80	ug/L	#	66
21) Methyl Acetate	2.751	43	20378	4.18	ug/L		86
22) Methylene Chloride	2.849	84	13365	4.37	ug/L	#	68
23) TBA	3.001	59	59479	124.66	ug/L		91
24) Acrylonitrile	3.129	53	46269	21.63	ug/L		99
25) Methyl-t-Butyl Ether	3.178	73	42601	5.03	ug/L		98
26) trans-1,2-Dichloroethene	3.166	96	11842	4.58	ug/L		95
27) 1,1-Diclethane	3.702	63	23792	4.57	ug/L		93
28) Vinyl Acetate	3.806	86	2576	5.97	ug/L	#	68
29) DIPE	3.849	45	58657	4.39	ug/L		92
30) 2-Chloro-1,3-Butadiene	3.836	53	27463	4.64	ug/L		96
31) ETBE	4.422	59	50625	5.47	ug/L		97
32) 2,2-Dichloropropane	4.598	77	17079	6.04	ug/L		89
33) cis-1,2-Dichloroethene	4.623	96	13538	4.59	ug/L	#	75
34) 2-Butanone	4.678	43	14067	4.52	ug/L		99
35) Propionitrile	4.757	54	18305	21.56	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5855.D
Acq On : 3 Feb 2016 3:37 pm
Operator : F. Naegler
Sample : 5.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 04 14:09:46 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Bromochloromethane	5.037	130	9010	4.82	ug/L	#	84
37) Methacrylonitrile	5.056	67	8102	4.92	ug/L	#	60
38) Tetrahydrofuran	5.147	42	8264	4.21	ug/L		67
39) Chloroform	5.239	83	21071	4.63	ug/L		97
40) 1,1,1-Trichloroethane	5.507	97	16358	5.18	ug/L		92
42) Cyclohexane	5.598	41	16675	4.81	ug/L		91
44) Carbontetrachloride	5.781	121	4347	7.05	ug/L	#	77
45) 1,1-Dichloropropene	5.799	75	14793	4.79	ug/L		97
47) Benzene	6.104	78	50032	5.04	ug/L		98
48) 1,2-Dichloroethane	6.147	62	19299	4.80	ug/L		97
49) Iso-Butyl Alcohol	6.141	43	29293	132.70	ug/L		95
50) TAME	6.342	73	42996	6.59	ug/L		95
51) n-Heptane	6.586	43	20627	4.91	ug/L		90
52) 1-Butanol	7.074	56	43770	424.56	ug/L		84
53) Trichloroethene	7.031	130	13813	5.28	ug/L		93
54) Methylcyclohexane	7.256	55	19086	4.91	ug/L	#	78
55) 1,2-Diclpropane	7.305	63	14432	5.21	ug/L		99
56) Dibromomethane	7.439	93	8109	4.86	ug/L		90
57) 1,4-Dioxane	7.506	88	5423	102.86	ug/L		85
58) Methyl Methacrylate	7.531	69	11603	5.33	ug/L	#	79
59) Bromodichloromethane	7.665	83	14631	5.18	ug/L		99
60) 2-Nitropropane	7.945	41	11742	19.27	ug/L		94
61) 2-Chloroethylvinyl Ether	8.067	63	8966	4.81	ug/L		92
62) cis-1,3-Dichloropropene	8.195	75	20386	6.17	ug/L		98
63) 4-Methyl-2-pentanone	8.403	43	24887	5.24	ug/L		92
65) Toluene	8.561	91	52089	5.19	ug/L		93
66) trans-1,3-Dichloropropene	8.829	75	18386	6.75	ug/L		91
67) Ethyl Methacrylate	8.963	69	20324	5.74	ug/L		90
68) 1,1,2-Trichloroethane	9.012	97	11689	5.01	ug/L		90
71) Tetrachloroethene	9.146	164	9771	5.35	ug/L		91
72) 2-Hexanone	9.299	43	18119	5.28	ug/L		98
73) 1,3-Dichloropropane	9.177	76	20397	5.08	ug/L		89
74) Dibromochloromethane	9.402	129	12438	6.38	ug/L		94
75) N-Butyl Acetate	9.451	43	35289	5.48	ug/L		97
76) 1,2-Dibromoethane	9.500	107	13076	5.57	ug/L		95
77) 3-Chlorobenzotrifluoride	10.000	180	21397	6.26	ug/L		89
78) Chlorobenzene	9.982	112	34995	5.43	ug/L		98
79) 4-Chlorobenzotrifluoride	10.055	180	17387	5.74	ug/L		90
80) 1,1,1,2-Tetrachloroethane	10.073	131	12645	6.32	ug/L		96
81) Ethylbenzene	10.103	106	18718	5.64	ug/L		97
82) (m+p)Xylene	10.213	106	46193	11.32	ug/L		99
83) o-Xylene	10.567	106	24297	5.95	ug/L		91
84) Styrene	10.579	104	39508	5.77	ug/L		94
85) Bromoform	10.731	173	9050	6.96	ug/L		99
86) 2-Chlorobenzotrifluoride	10.805	180	19779	5.91	ug/L		97
87) Isopropylbenzene	10.896	105	60551	6.04	ug/L		98
88) Cyclohexanone	10.957	55	77121	112.80	ug/L		86
89) trans-1,4-Dichloro-2-B...	11.201	53	6341	5.15	ug/L		71
91) 1,1,2,2-Tetrachloroethane	11.152	83	16405	4.66	ug/L		92
92) Bromobenzene	11.140	156	14471	5.12	ug/L		93
93) 1,2,3-Trichloropropane	11.183	110	5456	5.25	ug/L	#	89

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5855.D
Acq On : 3 Feb 2016 3:37 pm
Operator : F. Naegler
Sample : 5.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 04 14:09:46 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

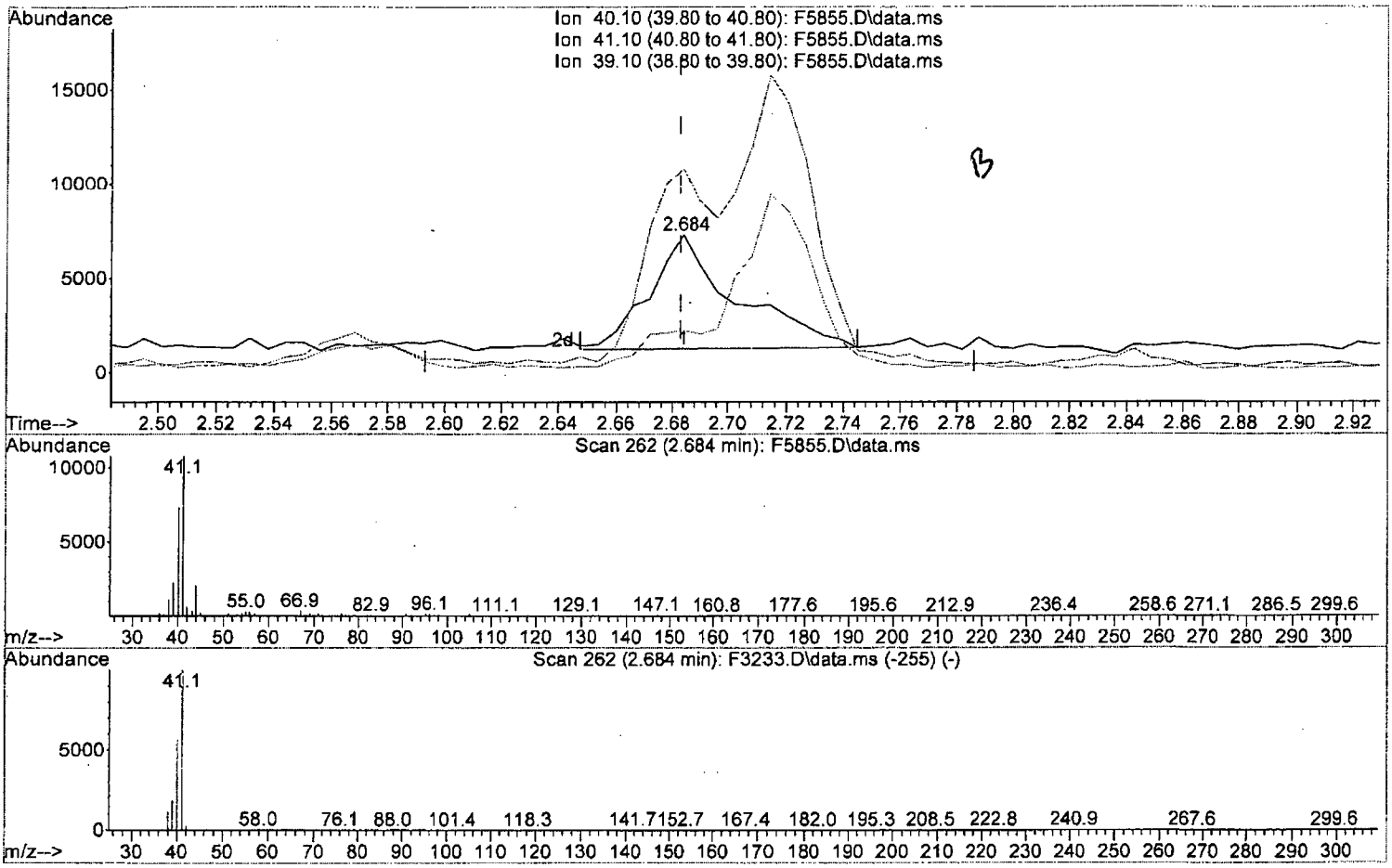
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	n-Propylbenzene	11.250	91	69559	5.32	ug/L	96
95)	2-Chlorotoluene	11.311	91	39907	5.32	ug/L	98
96)	3-Chlorotoluene	11.365	91	43811	5.58	ug/L	97
97)	4-Chlorotoluene	11.408	91	46638	5.29	ug/L	97
98)	1,3,5-Trimethylbenzene	11.402	105	49130	5.88	ug/L	98
99)	tert-Butylbenzene	11.670	119	42935	5.63	ug/L	99
100)	1,2,4-Trimethylbenzene	11.713	105	49462	5.56	ug/L	98
101)	3,4-Dichlorobenzotrifl...	11.774	214	15709	5.80	ug/L	96
102)	sec-Butylbenzene	11.853	105	62700	5.59	ug/L	98
103)	p-Isopropyltoluene	11.975	119	51419	6.14	ug/L	96
104)	1,3-Dclbenz	11.932	146	28980	5.44	ug/L	94
105)	1,4-Dclbenz	12.006	146	30033	5.53	ug/L	98
106)	2,4-Dichlorobenzotrifl...	12.060	214	14049	5.71	ug/L	97
107)	2,5-Dichlorobenzotrifl...	12.103	214	16371	5.89	ug/L	93
108)	n-Butylbenzene	12.304	91	43980	5.33	ug/L	97
109)	1,2-Dclbenz	12.310	146	28660	5.36	ug/L	94
110)	1,2-Dibromo-3-chloropr...	12.932	157	4267	6.12	ug/L	99
111)	Trielution Dichlorotol...	13.054	125	75457	16.16	ug/L	99
112)	1,3,5-Trichlorobenzene	13.103	180	20851	5.16	ug/L	92
113)	Coelution Dichlorotoluene	13.377	125	56537	10.78	ug/L	95
114)	1,2,4-Tcbenzene	13.584	180	19287	5.13	ug/L	96
115)	Hexachlorobt	13.719	225	8949	6.34	ug/L	89
116)	Naphthalen	13.773	128	61867	5.50	ug/L	98
117)	1,2,3-Tclbenzene	13.962	180	19650	5.08	ug/L	91
118)	2,4,5-Trichlorotoluene	14.548	159	15096	5.33	ug/L	98
119)	2,3,6-Trichlorotoluene	14.633	159	14209	5.55	ug/L	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5855.D
Acq On : 3 Feb 2016 3:37 pm
Operator : F. Naegler
Sample : 5.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 03 15:52:09 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5855.D\data.ms

(19) Acetonitrile

2.684min (+0.001) 26.52 ug/L

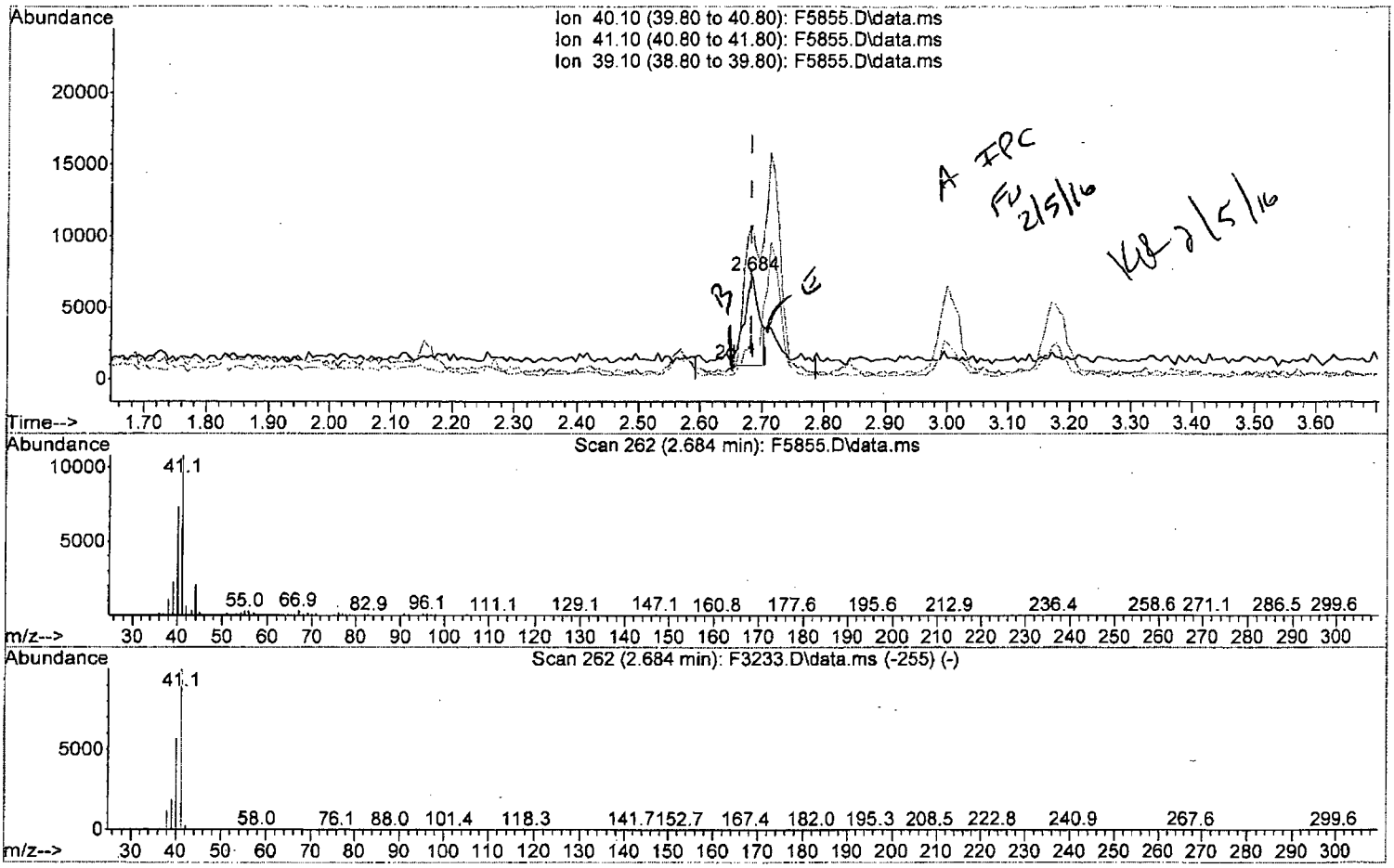
response 12882

Ion	Exp%	Act%
40.10	100	100
41.10	176.40	148.07#
39.10	34.00	30.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5855.D
Acq On : 3 Feb 2016 3:37 pm
Operator : F. Naegler
Sample : 5.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 03 15:52:09 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5855.D\data.ms

(19) Acetonitrile

2.684min (+0.001) 21.76 ug/L m

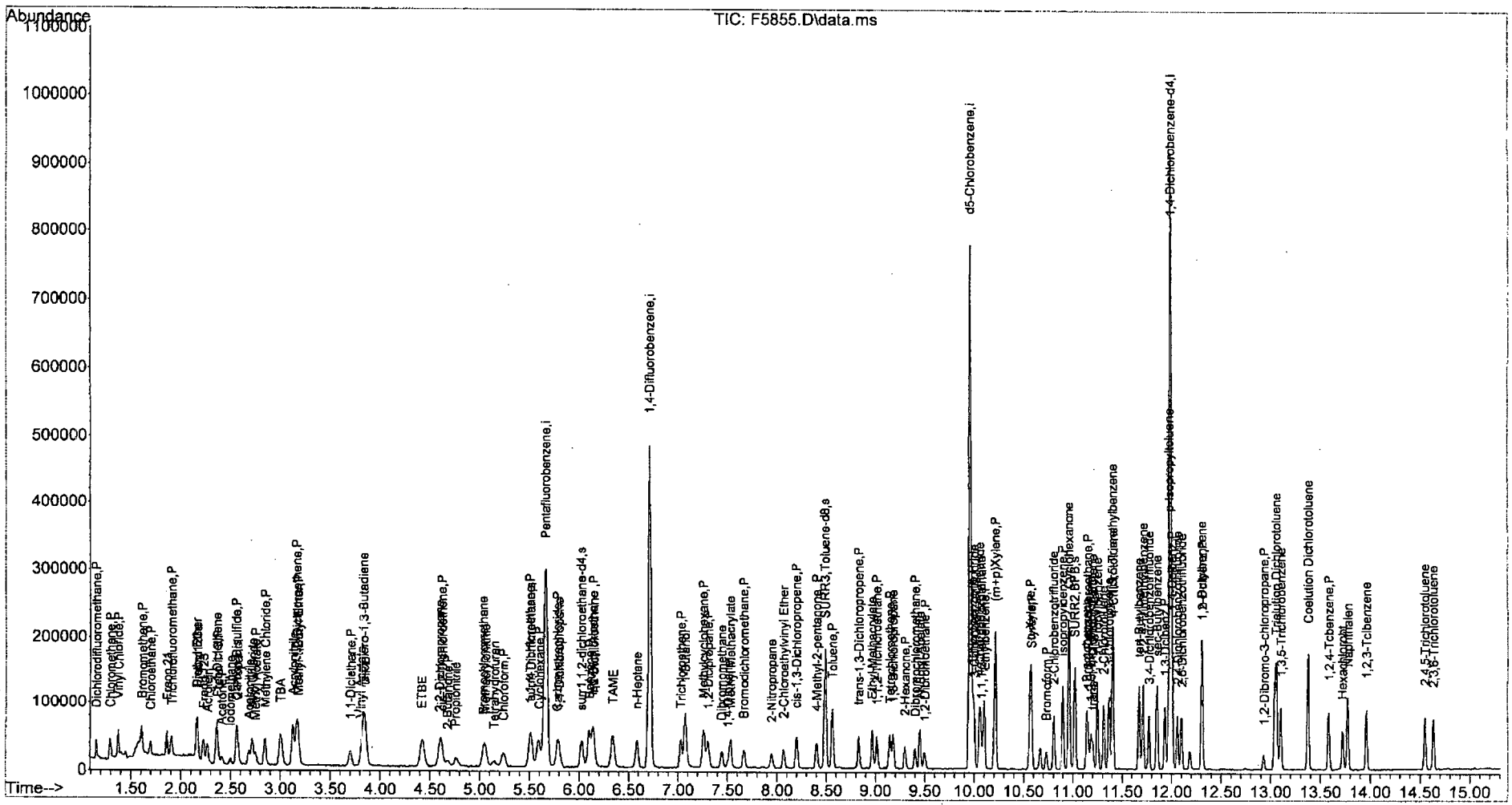
response 10567

Ion	Exp%	Act%
40.10	100	100
41.10	176.40	148.07#
39.10	34.00	30.59
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5855.D
Acq On : 3 Feb 2016 3:37 pm
Operator : F. Naegler
Sample : 5.0 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 04 14:09:46 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5856.D
Acq On : 3 Feb 2016 4:06 pm
Operator : F. Naegler
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 03 16:20:31 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

FN 2/5/16 KR 2/5/16

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.665	168	271228	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.714	114	390960	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.957	117	339741	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	182314	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.513	113	47280	19.70	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 39.40%#				
46) surr1,1,2-dichloroetha...	6.031	65	56708	18.91	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 37.82%#				
64) SURR3,Toluene-d8	8.488	98	187230	20.46	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 40.92%#				
69) SURR2,BFB	11.018	95	70392	19.85	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 39.70%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	65128	18.77	ug/L		99
3) Chloromethane	1.294	50	92893	16.00	ug/L		96
4) Vinyl Chloride	1.373	62	74808	19.65	ug/L		98
5) Bromomethane	1.617	94	35368	17.88	ug/L		99
6) Chloroethane	1.703	64	38596	18.71	ug/L		95
7) Freon 21	1.861	67	74382	17.13	ug/L		96
8) Trichlorofluoromethane	1.910	101	57909	17.80	ug/L		95
9) Diethyl Ether	2.160	59	54834	17.32	ug/L		98
10) Freon 123a	2.166	67	45107	13.83	ug/L		96
11) Freon 123	2.227	83	49951	14.27	ug/L		93
12) Acrolein	2.263	56	78204	79.02	ug/L		95
13) 1,1-Diclethene	2.361	96	38436	16.49	ug/L	#	82
14) Freon 113	2.367	101	36826	16.31	ug/L		100
15) Acetone	2.410	43	37818	16.15	ug/L		94
16) 2-Propanol	2.562	45	158257	405.26	ug/L		95
17) Iodomethane	2.495	142	50452	18.35	ug/L		95
18) Carbon Disulfide	2.562	76	116541	18.44	ug/L		99
19) Acetonitrile	2.678	40	39177	81.67	ug/L		95
20) Allyl Chloride	2.715	76	21625	17.83	ug/L	#	73
21) Methyl Acetate	2.751	43	80644	16.73	ug/L		90
22) Methylene Chloride	2.849	84	48695	16.12	ug/L	#	77
23) TBA	2.995	59	216403	459.25	ug/L		87
24) Acrylonitrile	3.123	53	180902	85.65	ug/L		92
25) Methyl-t-Butyl Ether	3.178	73	168552	20.17	ug/L		99
26) trans-1,2-Dichloroethene	3.160	96	42086	16.50	ug/L		96
27) 1,1-Diclethane	3.702	63	87956	17.10	ug/L		96
28) Vinyl Acetate	3.812	86	10794	23.84	ug/L		98
29) DIPE	3.849	45	224653	17.02	ug/L		98
30) 2-Chloro-1,3-Butadiene	3.836	53	95118	16.28	ug/L		97
31) ETBE	4.422	59	194597	21.31	ug/L		94
32) 2,2-Dichloropropane	4.598	77	64133	22.96	ug/L		97
33) cis-1,2-Dichloroethene	4.611	96	49590	17.03	ug/L	#	83
34) 2-Butanone	4.672	43	51980	16.93	ug/L		92
35) Propionitrile	4.763	54	72707	86.70	ug/L		98

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5856.D
Acq On : 3 Feb 2016 4:06 pm
Operator : F. Naegler
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 03 16:20:31 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) Bromochloromethane	5.043	130	33819	18.32 ug/L #	81
37) Methacrylonitrile	5.056	67	29269	17.98 ug/L #	85
38) Tetrahydrofuran	5.141	42	31548	16.29 ug/L	85
39) Chloroform	5.238	83	79019	17.57 ug/L	95
40) 1,1,1-Trichloroethane	5.513	97	60744	19.49 ug/L	91
42) Cyclohexane	5.592	41	47845	13.63 ug/L	95
44) Carbontetrachloride	5.781	121	15859	24.46 ug/L	94
45) 1,1-Dichloropropene	5.799	75	57293	18.32 ug/L	96
47) Benzene	6.104	78	184896	18.39 ug/L	98
48) 1,2-Dichloroethane	6.147	62	73337	18.04 ug/L	97
49) Iso-Butyl Alcohol	6.141	43	110739	495.70 ug/L	99
50) TAME	6.342	73	164449	24.90 ug/L	91
51) n-Heptane	6.586	43	75436	17.90 ug/L	95
52) 1-Butanol	7.067	56	169865	1494.31 ug/L	83
53) Trichloroethene	7.031	130	48485	18.31 ug/L	97
54) Methylcyclohexane	7.262	55	63184	16.07 ug/L	85
55) 1,2-Diclpropane	7.305	63	52621	18.76 ug/L	100
56) Dibromomethane	7.439	93	31906	18.90 ug/L	86
57) 1,4-Dioxane	7.506	88	20777	389.42 ug/L	84
58) Methyl Methacrylate	7.531	69	46092	20.94 ug/L #	81
59) Bromodichloromethane	7.665	83	60461	21.15 ug/L	96
60) 2-Nitropropane	7.945	41	44204	65.44 ug/L	97
61) 2-Chloroethylvinyl Ether	8.067	63	37512	19.87 ug/L	95
62) cis-1,3-Dichloropropene	8.195	75	81325	23.33 ug/L	97
63) 4-Methyl-2-pentanone	8.402	43	98619	20.52 ug/L	91
65) Toluene	8.561	91	195346	19.23 ug/L	99
66) trans-1,3-Dichloropropene	8.829	75	74922	25.72 ug/L	96
67) Ethyl Methacrylate	8.963	69	82308	22.13 ug/L	85
68) 1,1,2-Trichloroethane	9.012	97	47749	20.21 ug/L	96
71) Tetrachloroethene	9.146	164	34657	18.30 ug/L	95
72) 2-Hexanone	9.299	43	71544	20.09 ug/L	92
73) 1,3-Dichloropropane	9.177	76	77892	18.70 ug/L	91
74) Dibromochloromethane	9.402	129	49064	23.20 ug/L	96
75) N-Butyl Acetate	9.451	43	138030	20.67 ug/L	95
76) 1,2-Dibromoethane	9.494	107	50785	20.84 ug/L	98
77) 3-Chlorobenzotrifluoride	10.000	180	69470	19.60 ug/L	97
78) Chlorobenzene	9.981	112	130773	19.55 ug/L	94
79) 4-Chlorobenzotrifluoride	10.055	180	65026	20.68 ug/L	97
80) 1,1,1,2-Tetrachloroethane	10.067	131	47130	22.71 ug/L	96
81) Ethylbenzene	10.103	106	65651	19.05 ug/L	98
82) (m+p)Xylene	10.213	106	168453	39.77 ug/L	96
83) o-Xylene	10.567	106	85811	20.27 ug/L	99
84) Styrene	10.579	104	149239	21.00 ug/L	98
85) Bromoform	10.731	173	36730	25.62 ug/L	99
86) 2-Chlorobenzotrifluoride	10.811	180	69636	20.07 ug/L	97
87) Isopropylbenzene	10.896	105	207083	19.90 ug/L	99
88) Cyclohexanone	10.957	55	277863	391.66 ug/L	88
89) trans-1,4-Dichloro-2-B...	11.201	53	25671	20.11 ug/L #	71
91) 1,1,2,2-Tetrachloroethane	11.152	83	67500	18.49 ug/L	95
92) Bromobenzene	11.140	156	56317	19.22 ug/L	96
93) 1,2,3-Trichloropropane	11.182	110	21324	19.77 ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5856.D
Acq On : 3 Feb 2016 4:06 pm
Operator : F. Naegler
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 03 16:20:31 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

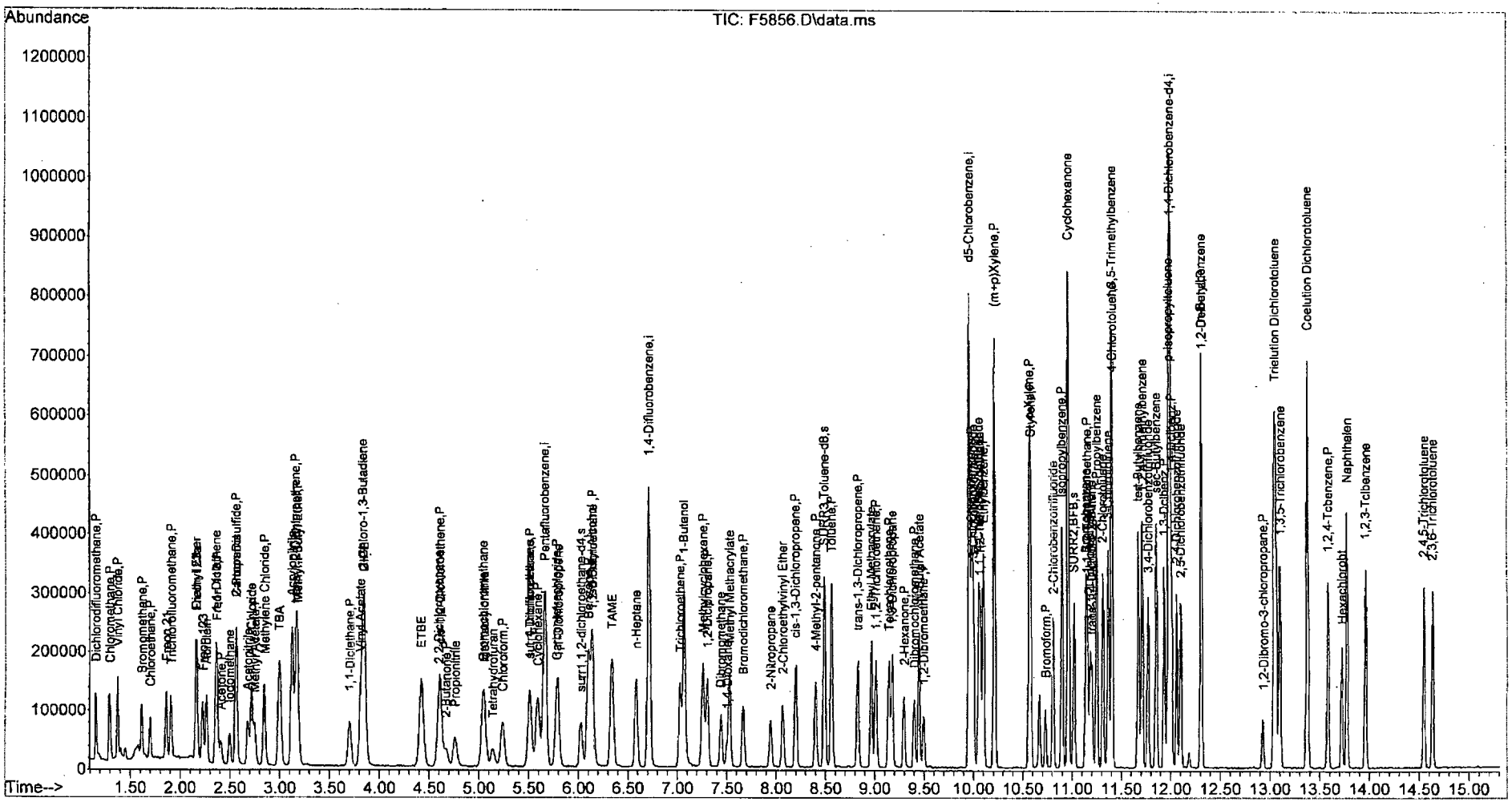
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	n-Propylbenzene	11.249	91	241548	17.79	ug/L	98
95)	2-Chlorotoluene	11.310	91	145545	18.69	ug/L	96
96)	3-Chlorotoluene	11.365	91	153895	18.91	ug/L	96
97)	4-Chlorotoluene	11.408	91	168983	18.46	ug/L	96
98)	1,3,5-Trimethylbenzene	11.402	105	171407	19.77	ug/L	99
99)	tert-Butylbenzene	11.670	119	146243	18.47	ug/L	97
100)	1,2,4-Trimethylbenzene	11.713	105	182248	19.76	ug/L	99
101)	3,4-Dichlorobenzotrifl...	11.774	214	59125	21.06	ug/L	94
102)	sec-Butylbenzene	11.853	105	214439	18.44	ug/L	97
103)	p-Isopropyltoluene	11.975	119	175770	20.11	ug/L	99
104)	1,3-Dclbenz	11.932	146	105212	19.03	ug/L	97
105)	1,4-Dclbenz	12.005	146	110379	19.61	ug/L	97
106)	2,4-Dichlorobenzotrifl...	12.060	214	53088	20.78	ug/L	96
107)	2,5-Dichlorobenzotrifl...	12.103	214	60921	21.14	ug/L	93
108)	n-Butylbenzene	12.304	91	161349	18.74	ug/L	98
109)	1,2-Dclbenz	12.310	146	109203	19.69	ug/L	97
110)	1,2-Dibromo-3-chloropr...	12.932	157	17091	23.64	ug/L	95
111)	Trielution Dichlorotol...	13.048	125	294477	60.78	ug/L	96
112)	1,3,5-Trichlorobenzene	13.103	180	84124	20.07	ug/L	99
113)	Coelution Dichlorotoluene	13.377	125	223635	41.12	ug/L	95
114)	1,2,4-Tcbenzene	13.584	180	76941	19.73	ug/L	98
115)	Hexachlorobt	13.725	225	31904	21.64	ug/L	97
116)	Naphthalen	13.773	128	248670	21.30	ug/L	99
117)	1,2,3-Tclbenzene	13.962	180	77582	19.35	ug/L	95
118)	2,4,5-Trichlorotoluene	14.548	159	63372	21.56	ug/L	96
119)	2,3,6-Trichlorotoluene	14.633	159	55533	20.93	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5856.D
Acq On : 3 Feb 2016 4:06 pm
Operator : F. Naegler
Sample : 20 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 03 16:20:31 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5857.D
Acq On : 3 Feb 2016 4:30 pm
Operator : F. Naegler
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 03 16:44:44 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

FD 2/5/16
KR 2/5/16

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	278243	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	387813	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	334790	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	178315	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	42584	17.89	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery =	35.78%#		
46) surr1,1,2-dichloroetha...	6.031	65	52733	17.73	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery =	35.46%#		
64) SURR3,Toluene-d8	8.488	98	171802	18.92	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery =	37.84%#		
69) SURR2,BFB	11.018	95	66464	18.90	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery =	37.80%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.160	85	167500	47.07	ug/L	97
3) Chloromethane	1.294	50	242357	40.70	ug/L	99
4) Vinyl Chloride	1.373	62	192020	49.16	ug/L	96
5) Bromomethane	1.611	94	81366	45.11	ug/L	93
6) Chloroethane	1.696	64	99013	46.80	ug/L	98
7) Freon 21	1.861	67	217659	48.86	ug/L	93
8) Trichlorofluoromethane	1.910	101	150371	45.06	ug/L	99
9) Diethyl Ether	2.160	59	145063	44.67	ug/L	92
10) Freon 123a	2.166	67	135240	40.43	ug/L	98
11) Freon 123	2.227	83	144552	40.25	ug/L	97
12) Acrolein	2.269	56	191285	188.42	ug/L	96
13) 1,1-Diclethene	2.361	96	98731	41.30	ug/L #	84
14) Freon 113	2.367	101	91220	39.38	ug/L	98
15) Acetone	2.410	43	88321	36.77	ug/L	95
16) 2-Propanol	2.562	45	426787	1065.35	ug/L	95
17) Iodomethane	2.495	142	155018	49.06	ug/L	98
18) Carbon Disulfide	2.562	76	287602	44.37	ug/L	99
19) Acetonitrile	2.678	40	99687	202.58	ug/L	93
20) Allyl Chloride	2.721	76	54986	44.20	ug/L #	82
21) Methyl Acetate	2.751	43	213159	43.11	ug/L	93
22) Methylene Chloride	2.849	84	126271	40.75	ug/L #	79
23) TBA	3.001	59	578492	1196.72	ug/L	87
24) Acrylonitrile	3.123	53	470020	216.92	ug/L	94
25) Methyl-t-Butyl Ether	3.178	73	431916	50.38	ug/L	95
26) trans-1,2-Dichloroethene	3.166	96	109508	41.85	ug/L	93
27) 1,1-Diclethane	3.702	63	225290	42.70	ug/L	97
28) Vinyl Acetate	3.812	86	29087	57.19	ug/L #	88
29) DIPE	3.848	45	568437	41.98	ug/L	97
30) 2-Chloro-1,3-Butadiene	3.836	53	236164	39.39	ug/L	90
31) ETBE	4.428	59	484219	51.69	ug/L	96
32) 2,2-Dichloropropane	4.598	77	163677	57.12	ug/L	97
33) cis-1,2-Dichloroethene	4.616	96	126329	42.30	ug/L	97
34) 2-Butanone	4.671	43	126165	40.06	ug/L	92
35) Propionitrile	4.757	54	191922	223.08	ug/L	97

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5857.D
Acq On : 3 Feb 2016 4:30 pm
Operator : F. Naegler
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 03 16:44:44 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) Bromochloromethane	5.043	130	86999	45.93 ug/L #	84
37) Methacrylonitrile	5.049	67	77910	46.66 ug/L #	75
38) Tetrahydrofuran	5.135	42	81872	41.22 ug/L	85
39) Chloroform	5.238	83	203534	44.12 ug/L	95
40) 1,1,1-Trichloroethane	5.513	97	157938	49.41 ug/L	94
42) Cyclohexane	5.592	41	144913	41.60 ug/L	97
44) Carbontetrachloride	5.781	121	41186	58.94 ug/L	97
45) 1,1-Dichloropropene	5.799	75	144010	46.42 ug/L	94
47) Benzene	6.104	78	479784	48.10 ug/L	96
48) 1,2-Dichloroethane	6.141	62	190900	47.33 ug/L	99
49) Iso-Butyl Alcohol	6.141	43	300209	1354.72 ug/L	99
50) TAME	6.342	73	410882	62.71 ug/L	91
51) n-Heptane	6.586	43	194947	45.08 ug/L	90
52) 1-Butanol	7.073	56	445982	3492.97 ug/L	84
53) Trichloroethene	7.031	130	120506	45.88 ug/L	97
54) Methylcyclohexane	7.262	55	184107	47.22 ug/L	89
55) 1,2-Diclpropane	7.305	63	139163	50.02 ug/L	99
56) Dibromomethane	7.445	93	79659	47.57 ug/L	96
57) 1,4-Dioxane	7.500	88	53199	1005.19 ug/L	90
58) Methyl Methacrylate	7.531	69	121179	55.49 ug/L #	78
59) Bromodichloromethane	7.671	83	159356	56.21 ug/L	96
60) 2-Nitropropane	7.945	41	116751	150.26 ug/L	95
61) 2-Chloroethylvinyl Ether	8.067	63	93001	49.65 ug/L	99
62) cis-1,3-Dichloropropene	8.201	75	214504	58.73 ug/L	97
63) 4-Methyl-2-pentanone	8.402	43	238872	50.11 ug/L	90
65) Toluene	8.561	91	501604	49.79 ug/L	99
66) trans-1,3-Dichloropropene	8.829	75	200030	63.95 ug/L	99
67) Ethyl Methacrylate	8.963	69	216329	56.16 ug/L	85
68) 1,1,2-Trichloroethane	9.012	97	122679	52.35 ug/L	94
71) Tetrachloroethene	9.146	164	93392	50.05 ug/L	95
72) 2-Hexanone	9.299	43	176629	50.34 ug/L	88
73) 1,3-Dichloropropane	9.177	76	206386	50.28 ug/L	88
74) Dibromochloromethane	9.402	129	131195	59.30 ug/L	97
75) N-Butyl Acetate	9.451	43	378125	57.47 ug/L	95
76) 1,2-Dibromoethane	9.494	107	130483	54.33 ug/L	97
77) 3-Chlorobenzotrifluoride	10.000	180	194140	55.58 ug/L	99
78) Chlorobenzene	9.981	112	335706	50.93 ug/L	95
79) 4-Chlorobenzotrifluoride	10.054	180	173382	55.96 ug/L	96
80) 1,1,1,2-Tetrachloroethane	10.067	131	121608	59.48 ug/L	98
81) Ethylbenzene	10.103	106	174803	51.47 ug/L	98
82) (m+p)Xylene	10.213	106	443443	106.25 ug/L	96
83) o-Xylene	10.567	106	224294	53.76 ug/L	94
84) Styrene	10.579	104	389181	55.58 ug/L	98
85) Bromoform	10.731	173	100109	64.52 ug/L	99
86) 2-Chlorobenzotrifluoride	10.810	180	192896	56.41 ug/L	97
87) Isopropylbenzene	10.896	105	556192	54.24 ug/L	100
88) Cyclohexanone	10.957	55	681121	974.27 ug/L	91
89) trans-1,4-Dichloro-2-B...	11.201	53	69912	55.57 ug/L	82
91) 1,1,2,2-Tetrachloroethane	11.152	83	185104	51.83 ug/L	94
92) Bromobenzene	11.140	156	147551	51.50 ug/L	98
93) 1,2,3-Trichloropropane	11.182	110	57877	54.85 ug/L #	89

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5857.D
Acq On : 3 Feb 2016 4:30 pm
Operator : F. Naegler
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 03 16:44:44 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

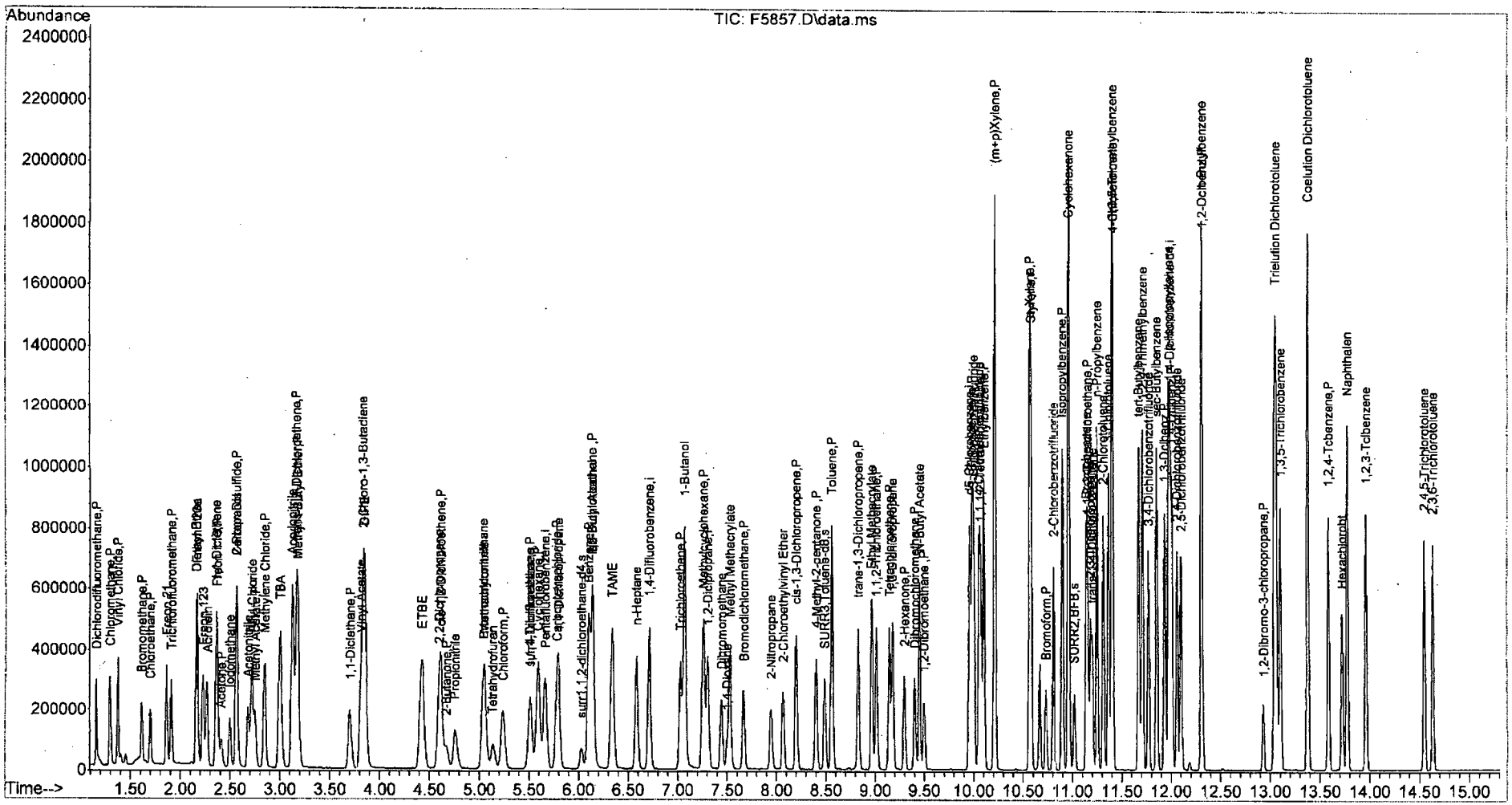
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	n-Propylbenzene	11.249	91	643549	48.47	ug/L	99
95)	2-Chlorotoluene	11.310	91	379404	49.82	ug/L	97
96)	3-Chlorotoluene	11.365	91	414063	52.02	ug/L	98
97)	4-Chlorotoluene	11.408	91	448650	50.11	ug/L	97
98)	1,3,5-Trimethylbenzene	11.402	105	453737	53.50	ug/L	98
99)	tert-Butylbenzene	11.670	119	396500	51.21	ug/L	97
100)	1,2,4-Trimethylbenzene	11.713	105	478754	53.07	ug/L	100
101)	3,4-Dichlorobenzotrifl...	11.774	214	153421	55.87	ug/L	95
102)	sec-Butylbenzene	11.853	105	577070	50.74	ug/L	97
103)	p-Isopropyltoluene	11.975	119	466813	53.22	ug/L	99
104)	1,3-Dclbenz	11.932	146	274150	50.69	ug/L	96
105)	1,4-Dclbenz	12.005	146	282109	51.24	ug/L	99
106)	2,4-Dichlorobenzotrifl...	12.060	214	137015	54.84	ug/L	96
107)	2,5-Dichlorobenzotrifl...	12.103	214	155258	55.07	ug/L	92
108)	n-Butylbenzene	12.304	91	422999	48.88	ug/L	100
109)	1,2-Dclbenz	12.310	146	277337	51.14	ug/L	98
110)	1,2-Dibromo-3-chloropr...	12.932	157	47982	67.84	ug/L	93
111)	Trielution Dichlorotol...	13.048	125	760988	160.58	ug/L	96
112)	1,3,5-Trichlorobenzene	13.103	180	208791	50.94	ug/L	96
113)	Coelution Dichlorotoluene	13.377	125	567894	106.77	ug/L	97
114)	1,2,4-Tcbenzene	13.584	180	198500	52.05	ug/L	97
115)	Hexachlorobt	13.724	225	84586	56.14	ug/L	94
116)	Naphthalen	13.773	128	651452	57.04	ug/L	99
117)	1,2,3-Tclbenzene	13.962	180	204918	52.25	ug/L	97
118)	2,4,5-Trichlorotoluene	14.547	159	158881	55.25	ug/L	98
119)	2,3,6-Trichlorotoluene	14.633	159	142666	54.97	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5857.D
Acq On : 3 Feb 2016 4:30 pm
Operator : F. Naegler
Sample : 50 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 03 16:44:44 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5858.D
Acq On : 3 Feb 2016 4:54 pm
Operator : F. Naegler
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 04 14:15:05 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

FV 2/5/16
KB 2/5/16

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	258220	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	366434	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	324441	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	180727	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.519	113	111726	49.67	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 99.34%			
46) surr1,1,2-dichloroetha...	6.025	65	135885	48.35	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 96.70%			
64) SURR3,Toluene-d8	8.488	98	436318	50.87	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.74%			
69) SURR2,BFB	11.018	95	175544	52.83	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 105.66%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.154	85	329525	99.78	ug/L	98
3) Chloromethane	1.294	50	480191	86.89	ug/L	99
4) Vinyl Chloride	1.373	62	364530	100.56	ug/L	95
5) Bromomethane	1.605	94	122765	93.62	ug/L	100
6) Chloroethane	1.696	64	195265	99.45	ug/L	98
7) Freon 21	1.861	67	428663	103.70	ug/L	95
8) Trichlorofluoromethane	1.904	101	292205	94.35	ug/L	99
9) Diethyl Ether	2.160	59	270371	89.71	ug/L	93
10) Freon 123a	2.166	67	272747	87.86	ug/L	99
11) Freon 123	2.227	83	295644	88.70	ug/L	96
12) Acrolein	2.263	56	380647	404.01	ug/L	98
13) 1,1-Diclethene	2.361	96	190316	85.78	ug/L	92
14) Freon 113	2.367	101	180463	83.95	ug/L	97
15) Acetone	2.410	43	171061	76.75	ug/L	95
16) 2-Propanol	2.574	45	819606	2204.56	ug/L	95
17) Iodomethane	2.495	142	329784	99.65	ug/L	96
18) Carbon Disulfide	2.556	76	597671	99.36	ug/L	99
19) Acetonitrile	2.678	40	196471m	430.22	ug/L	
20) Allyl Chloride	2.721	76	104853	90.82	ug/L #	74
21) Methyl Acetate	2.751	43	391541	85.33	ug/L	92
22) Methylene Chloride	2.849	84	241034	83.81	ug/L #	80
23) TBA	3.007	59	1129319	2517.35	ug/L	85
24) Acrylonitrile	3.123	53	889467	442.32	ug/L	95
25) Methyl-t-Butyl Ether	3.178	73	817524	102.76	ug/L	96
26) trans-1,2-Dichloroethene	3.160	96	211217	86.97	ug/L	97
27) 1,1-Diclethane	3.702	63	431926	88.20	ug/L	99
28) Vinyl Acetate	3.812	86	56906	106.93	ug/L #	96
29) DIPE	3.848	45	1145099	91.13	ug/L	97
30) 2-Chloro-1,3-Butadiene	3.836	53	492798	88.58	ug/L	90
31) ETBE	4.428	59	974141	112.04	ug/L	97
32) 2,2-Dichloropropane	4.604	77	318158	119.63	ug/L	96
33) cis-1,2-Dichloroethene	4.617	96	241577	87.16	ug/L	97
34) 2-Butanone	4.671	43	245844	84.10	ug/L	92
35) Propionitrile	4.763	54	372779	466.91	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5858.D
Acq On : 3 Feb 2016 4:54 pm
Operator : F. Naegler
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 04 14:15:05 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Bromochloromethane	5.043	130	164386	93.52	ug/L	#	85
37) Methacrylonitrile	5.056	67	148282	95.69	ug/L	#	78
38) Tetrahydrofuran	5.141	42	156140	84.70	ug/L		76
39) Chloroform	5.238	83	384974	89.92	ug/L		97
40) 1,1,1-Trichloroethane	5.513	97	313999	105.84	ug/L		97
42) Cyclohexane	5.592	41	289675	88.01	ug/L		99
44) Carbontetrachloride	5.781	121	83555	112.43	ug/L		92
45) 1,1-Dichloropropene	5.793	75	281189	95.92	ug/L		98
47) Benzene	6.104	78	921690	97.80	ug/L		95
48) 1,2-Dichloroethane	6.147	62	358798	94.14	ug/L		99
49) Iso-Butyl Alcohol	6.147	43	587989	2808.16	ug/L		98
50) TAME	6.342	73	803350	129.77	ug/L		91
51) n-Heptane	6.586	43	380695	87.90	ug/L		87
52) 1-Butanol	7.080	56	898503	6385.92	ug/L		85
53) Trichloroethene	7.031	130	233151	93.95	ug/L		97
54) Methylcyclohexane	7.262	55	375889	102.02	ug/L		90
55) 1,2-Diclpropane	7.305	63	268803	102.26	ug/L		99
56) Dibromomethane	7.445	93	150838	95.33	ug/L		100
57) 1,4-Dioxane	7.500	88	106407	2127.84	ug/L		93
58) Methyl Methacrylate	7.531	69	233401	113.11	ug/L	#	79
59) Bromodichloromethane	7.671	83	302480	112.92	ug/L		99
60) 2-Nitropropane	7.945	41	224227	259.45	ug/L		98
61) 2-Chloroethylvinyl Ether	8.067	63	182487	103.11	ug/L		99
62) cis-1,3-Dichloropropene	8.201	75	407419	109.95	ug/L		99
63) 4-Methyl-2-pentanone	8.402	43	463758	102.96	ug/L		90
65) Toluene	8.561	91	967519	101.63	ug/L		98
66) trans-1,3-Dichloropropene	8.829	75	383708	117.59	ug/L		99
67) Ethyl Methacrylate	8.963	69	416575	107.97	ug/L		84
68) 1,1,2-Trichloroethane	9.012	97	232411	104.95	ug/L		92
71) Tetrachloroethene	9.146	164	183604	101.54	ug/L		97
72) 2-Hexanone	9.299	43	349802	102.88	ug/L		92
73) 1,3-Dichloropropane	9.177	76	394748	99.24	ug/L		88
74) Dibromochloromethane	9.402	129	259555	112.02	ug/L		96
75) N-Butyl Acetate	9.451	43	725865	113.85	ug/L		93
76) 1,2-Dibromoethane	9.494	107	251581	108.09	ug/L		98
77) 3-Chlorobenzotrifluoride	10.000	180	413454	122.14	ug/L		97
78) Chlorobenzene	9.981	112	651716	102.03	ug/L		96
79) 4-Chlorobenzotrifluoride	10.055	180	371324	123.68	ug/L		97
80) 1,1,1,2-Tetrachloroethane	10.067	131	242144	122.21	ug/L		96
81) Ethylbenzene	10.103	106	344303	104.62	ug/L		99
82) (m+p)Xylene	10.213	106	861137	212.92	ug/L		99
83) o-Xylene	10.567	106	443904	109.80	ug/L		96
84) Styrene	10.579	104	761278	112.18	ug/L		99
85) Bromoform	10.731	173	200391	118.77	ug/L		98
86) 2-Chlorobenzotrifluoride	10.810	180	410907	123.99	ug/L		95
87) Isopropylbenzene	10.896	105	1107652	111.46	ug/L		99
88) Cyclohexanone	10.963	55	1357332	2003.46	ug/L		89
89) trans-1,4-Dichloro-2-B...	11.201	53	138638	113.72	ug/L		78
91) 1,1,2,2-Tetrachloroethane	11.158	83	366346	101.21	ug/L		94
92) Bromobenzene	11.140	156	290376	99.99	ug/L		95
93) 1,2,3-Trichloropropane	11.182	110	108054	101.04	ug/L		94

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5858.D
Acq On : 3 Feb 2016 4:54 pm
Operator : F. Naegler
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

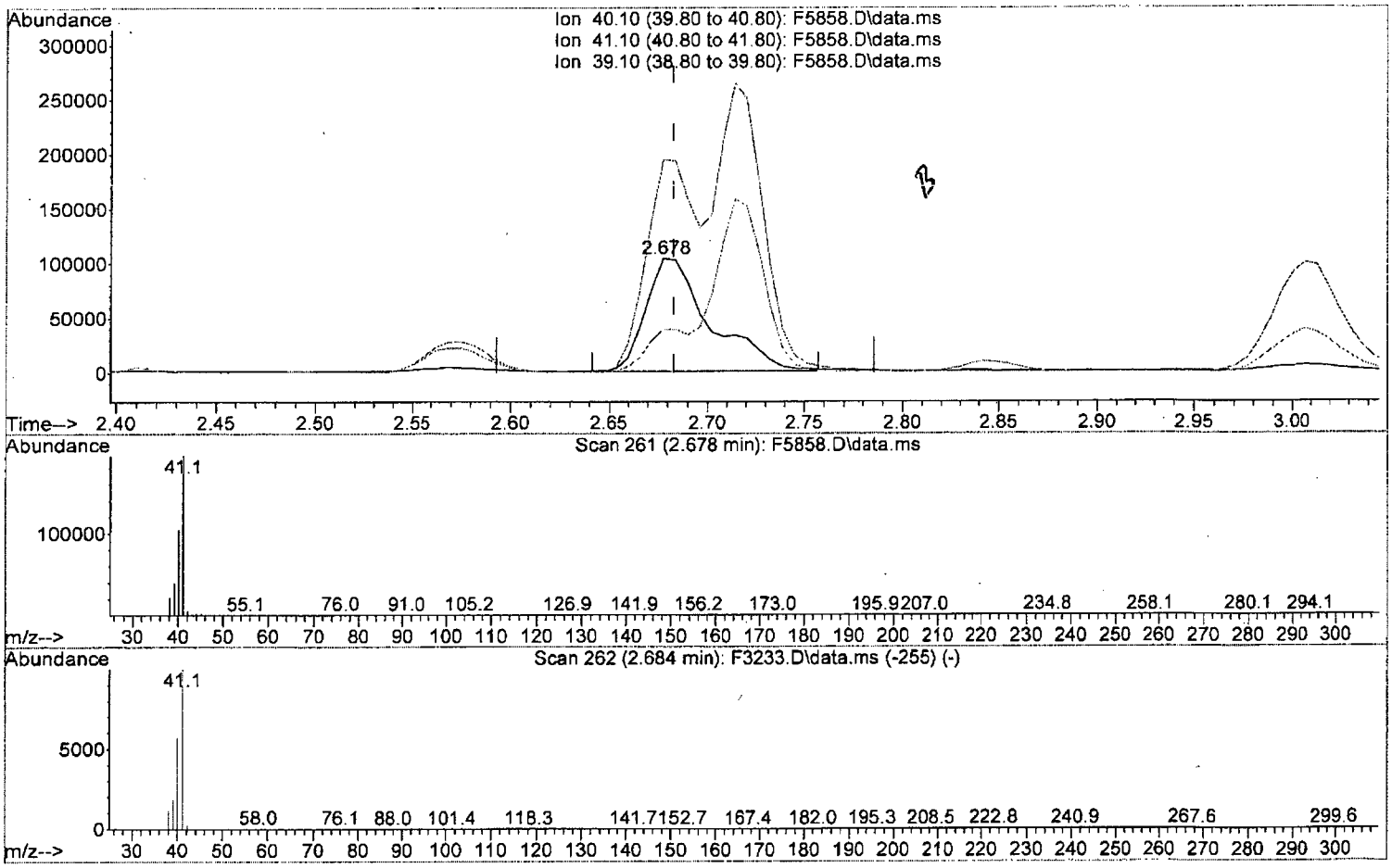
Quant Time: Feb 04 14:15:05 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) n-Propylbenzene	11.249	91	1302215	96.76	ug/L	98
95) 2-Chlorotoluene	11.317	91	752277	97.46	ug/L	99
96) 3-Chlorotoluene	11.365	91	864471	107.16	ug/L	96
97) 4-Chlorotoluene	11.408	91	905083	99.74	ug/L	96
98) 1,3,5-Trimethylbenzene	11.402	105	934034	108.67	ug/L	98
99) tert-Butylbenzene	11.670	119	804936	102.58	ug/L	98
100) 1,2,4-Trimethylbenzene	11.713	105	965633	105.62	ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.774	214	330743	118.83	ug/L	99
102) sec-Butylbenzene	11.853	105	1177790	102.19	ug/L	97
103) p-Isopropyltoluene	11.975	119	954168	103.14	ug/L	99
104) 1,3-Dclbenz	11.932	146	550488	100.43	ug/L	97
105) 1,4-Dclbenz	12.012	146	569272	102.01	ug/L	98
106) 2,4-Dichlorobenzotrifl...	12.060	214	299601	118.32	ug/L	96
107) 2,5-Dichlorobenzotrifl...	12.103	214	343803	120.33	ug/L	93
108) n-Butylbenzene	12.304	91	874122	95.52	ug/L	99
109) 1,2-Dclbenz	12.310	146	559693	101.83	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.932	157	94153	131.35	ug/L	97
111) Trielution Dichlorotol...	13.048	125	1644525	342.38	ug/L	97
112) 1,3,5-Trichlorobenzene	13.103	180	452383	108.90	ug/L	97
113) Coelution Dichlorotoluene	13.377	125	1213580	225.12	ug/L	98
114) 1,2,4-Tcbenzene	13.584	180	404695	104.70	ug/L	97
115) Hexachlorobt	13.725	225	172933	106.18	ug/L	100
116) Naphthalen	13.773	128	1309287	113.11	ug/L	99
117) 1,2,3-Tclbenzene	13.962	180	418365	105.26	ug/L	97
118) 2,4,5-Trichlorotoluene	14.548	159	356396	122.29	ug/L	99
119) 2,3,6-Trichlorotoluene	14.633	159	314610	119.59	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5858.D
Acq On : 3 Feb 2016 4:54 pm
Operator : F. Naegler
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 03 17:09:02 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



TIC: F5858.D\data.ms

(19) Acetonitrile

2.678min (-0.005) 507.04 ug/L

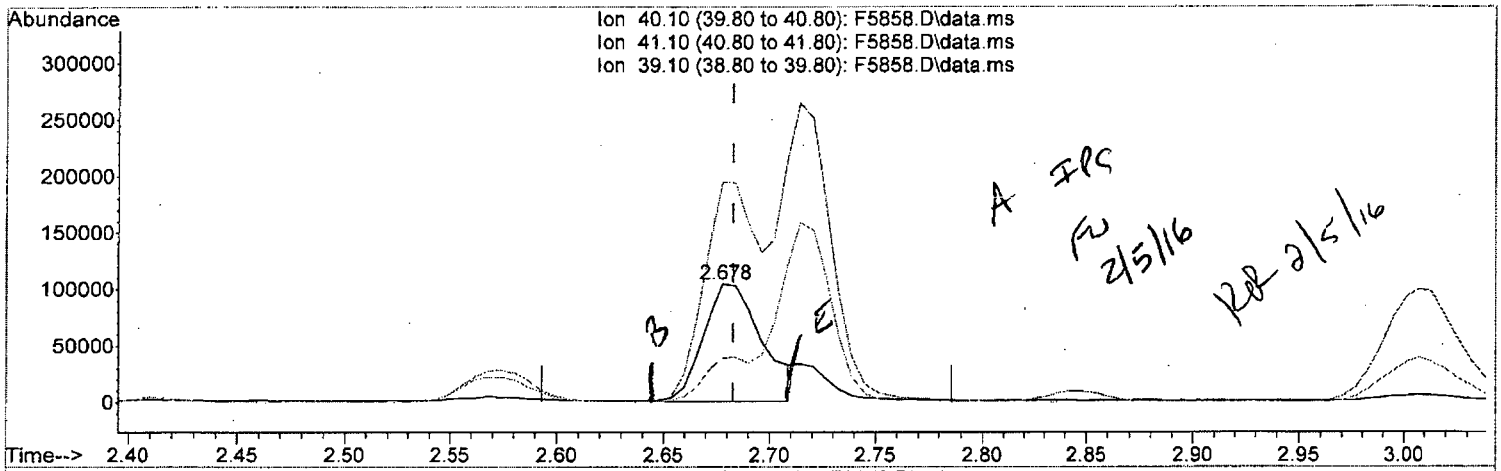
response 231552

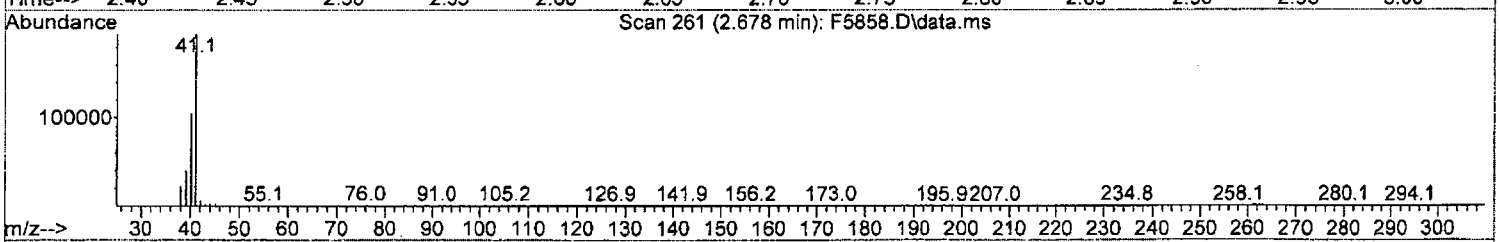
Ion	Exp%	Act%
40.10	100	100
41.10	176.40	186.46
39.10	34.00	37.56
0.00	0.00	0.00

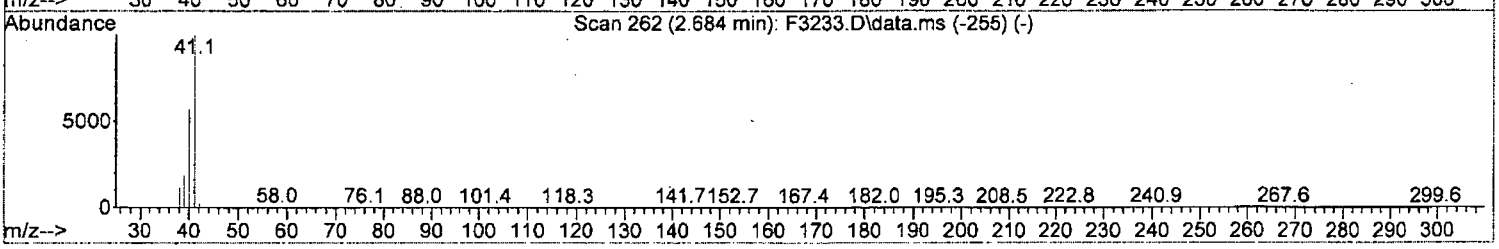
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5858.D
Acq On : 3 Feb 2016 4:54 pm
Operator : F. Naegler
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 03 17:09:02 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration







TIC: F5858.D\data.ms

(19) Acetonitrile

2.678min (-0.005) 430.22 ug/L m

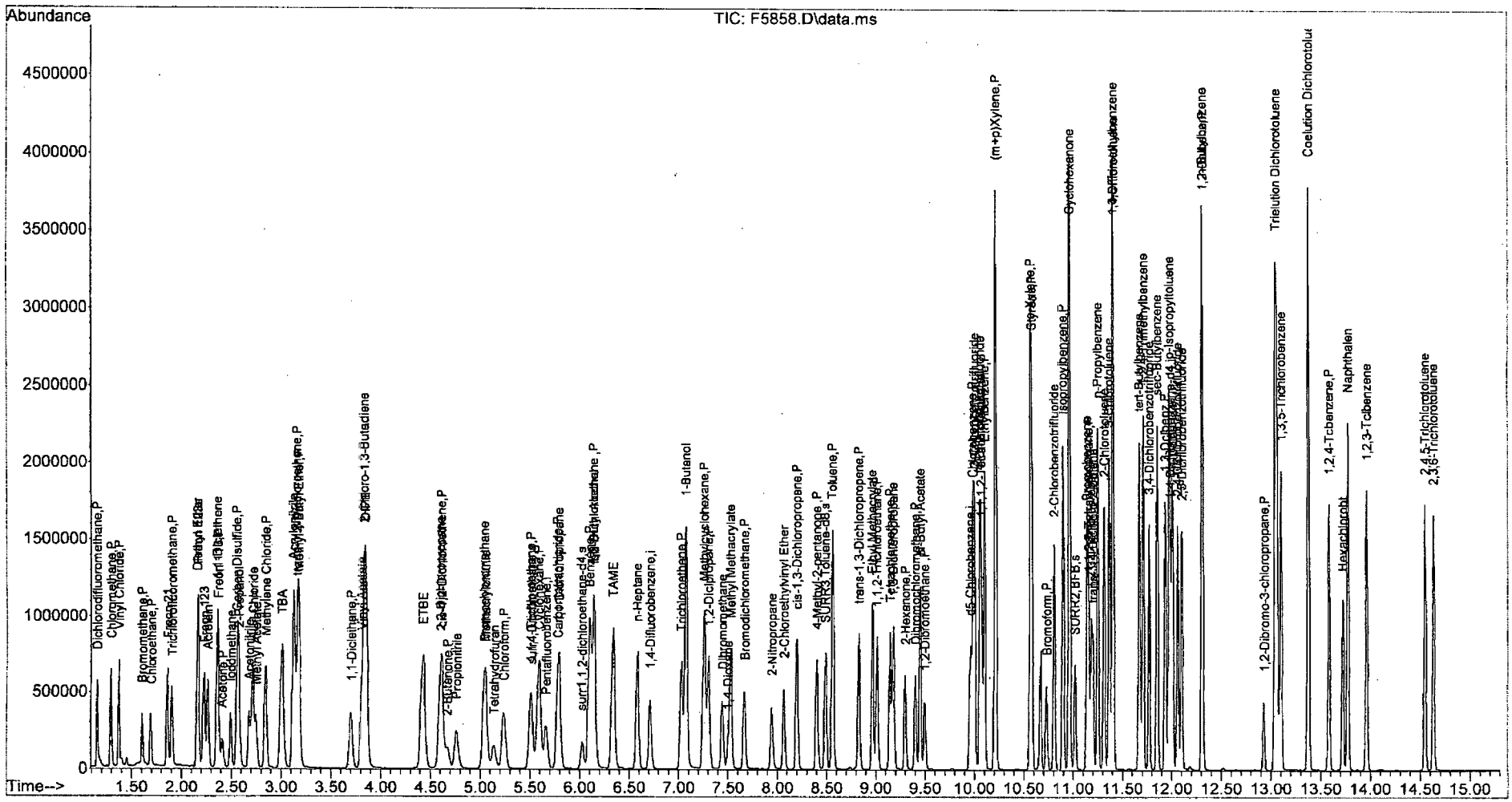
response 196471

Ion	Exp%	Act%
40.10	100	100
41.10	176.40	186.46
39.10	34.00	37.56
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5858.D
Acq On : 3 Feb 2016 4:54 pm
Operator : F. Naegler
Sample : 100 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 04 14:15:05 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Tue Jan 19 12:07:22 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5859.D
Acq On : 3 Feb 2016 5:18 pm
Operator : F. Naegler
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 14:18:04 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Thu Feb 04 14:16:29 2016
Response via : Initial Calibration

FN 2/5/16

148 2/5/16

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.665	168	261675	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.714	114	376349	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.957	117	333557	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	187279	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.513	113	233660	139.88	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 279.76%#				
46) surr1,1,2-dichloroetha...	6.025	65	283295	140.06	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 280.12%#				
64) SURR3,Toluene-d8	8.488	98	908859	136.95	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 273.90%#				
69) SURR2,BFB	11.024	95	364575	145.22	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 290.44%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	480228	156.28	ug/L		98
3) Chloromethane	1.288	50	723581	156.48	ug/L		99
4) Vinyl Chloride	1.373	62	553263	149.25	ug/L		95
5) Bromomethane	1.605	94	169386	83.07	ug/L		98
6) Chloroethane	1.684	64	290973	143.01	ug/L		98
7) Freon 21	1.855	67	668735	150.36	ug/L		97
8) Trichlorofluoromethane	1.898	101	430015	143.87	ug/L		99
9) Diethyl Ether	2.160	59	418767	154.14	ug/L		93
10) Freon 123a	2.166	67	417510	142.00	ug/L		98
11) Freon 123	2.227	83	447043	151.96	ug/L		95
12) Acrolein	2.263	56	603767	809.75	ug/L		95
13) 1,1-Diclethene	2.355	96	286395	135.27	ug/L	#	89
14) Freon 113	2.367	101	263379	133.52	ug/L		98
15) Acetone	2.416	43	286348	120.95	ug/L		93
16) 2-Propanol	2.599	45	1332112	3440.53	ug/L		94
17) Iodomethane	2.495	142	498393	269.82	ug/L		96
18) Carbon Disulfide	2.556	76	938355	153.58	ug/L		99
19) Acetonitrile	2.684	40	305574m	822.38	ug/L		
20) Allyl Chloride	2.714	76	159766	141.81	ug/L	#	81
21) Methyl Acetate	2.751	43	606918	152.36	ug/L		92
22) Methylene Chloride	2.842	84	367289	139.43	ug/L	#	80
23) TBA	3.031	59	1917888	3591.80	ug/L		86
24) Acrylonitrile	3.129	53	1448753	830.71	ug/L		96
25) Methyl-t-Butyl Ether	3.178	73	1285355	155.27	ug/L		96
26) trans-1,2-Dichloroethene	3.160	96	315471	139.89	ug/L		97
27) 1,1-Diclethane	3.702	63	658927	149.15	ug/L		98
28) Vinyl Acetate	3.812	86	88661	160.02	ug/L	#	79
29) DIPE	3.848	45	1717778	153.90	ug/L		96
30) 2-Chloro-1,3-Butadiene	3.836	53	751261	142.65	ug/L		89
31) ETBE	4.428	59	1478066	154.49	ug/L		98
32) 2,2-Dichloropropane	4.604	77	467922	137.71	ug/L		97
33) cis-1,2-Dichloroethene	4.617	96	367217	139.37	ug/L		92
34) 2-Butanone	4.671	43	397186	144.47	ug/L		96
35) Propionitrile	4.769	54	608796	826.74	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5859.D
Acq On : 3 Feb 2016 5:18 pm
Operator : F. Naegler
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 14:18:04 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Thu Feb 04 14:16:29 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Bromochloromethane	5.043	130	253946	151.65	ug/L	#	86
37) Methacrylonitrile	5.055	67	241859	162.45	ug/L	#	76
38) Tetrahydrofuran	5.141	42	242743	138.74	ug/L		79
39) Chloroform	5.238	83	594981	144.42	ug/L		97
40) 1,1,1-Trichloroethane	5.513	97	465704	141.71	ug/L		96
42) Cyclohexane	5.592	41	442114	137.40	ug/L		97
44) Carbontetrachloride	5.781	121	125069	144.95	ug/L		93
45) 1,1-Dichloropropene	5.793	75	419850	143.99	ug/L		97
47) Benzene	6.104	78	1402123	149.41	ug/L		95
48) 1,2-Dichloroethane	6.141	62	560146	151.28	ug/L		97
49) Iso-Butyl Alcohol	6.159	43	1002126	3414.51	ug/L		98
50) TAME	6.342	73	1234643	153.59	ug/L		91
51) n-Heptane	6.586	43	537372	120.22	ug/L		87
52) 1-Butanol	7.092	56	1472429	9357.13	ug/L		85
53) Trichloroethene	7.031	130	354247	137.78	ug/L		98
54) Methylcyclohexane	7.262	55	562468	150.96	ug/L		87
55) 1,2-Diclpropane	7.305	63	410314	149.47	ug/L		98
56) Dibromomethane	7.445	93	239971	154.81	ug/L		99
57) 1,4-Dioxane	7.506	88	177295	3552.21	ug/L		94
58) Methyl Methacrylate	7.531	69	377507	159.62	ug/L	#	79
59) Bromodichloromethane	7.671	83	469006	150.58	ug/L		98
60) 2-Nitropropane	7.945	41	375005	319.92	ug/L		97
61) 2-Chloroethylvinyl Ether	8.067	63	292977	169.41	ug/L		97
62) cis-1,3-Dichloropropene	8.201	75	630381	152.47	ug/L		97
63) 4-Methyl-2-pentanone	8.402	43	736307	151.70	ug/L		91
65) Toluene	8.561	91	1458683	146.16	ug/L		98
66) trans-1,3-Dichloropropene	8.829	75	599728	162.23	ug/L		97
67) Ethyl Methacrylate	8.969	69	670967	164.37	ug/L	#	80
68) 1,1,2-Trichloroethane	9.012	97	363230	153.60	ug/L		95
71) Tetrachloroethene	9.146	164	274242	139.43	ug/L		95
72) 2-Hexanone	9.299	43	557025	149.69	ug/L		91
73) 1,3-Dichloropropane	9.177	76	617030	150.32	ug/L		89
74) Dibromochloromethane	9.402	129	409101	158.71	ug/L		97
75) N-Butyl Acetate	9.451	43	1130551	163.41	ug/L		94
76) 1,2-Dibromoethane	9.500	107	395948	155.41	ug/L		99
77) 3-Chlorobenzotrifluoride	10.000	180	581148	143.93	ug/L		98
78) Chlorobenzene	9.981	112	1008069	146.00	ug/L		97
79) 4-Chlorobenzotrifluoride	10.055	180	522651	143.70	ug/L		96
80) 1,1,1,2-Tetrachloroethane	10.073	131	374801	151.05	ug/L		96
81) Ethylbenzene	10.103	106	522006	148.19	ug/L		99
82) (m+p)Xylene	10.213	106	1297457	290.49	ug/L		97
83) o-Xylene	10.567	106	668210	144.11	ug/L		95
84) Styrene	10.579	104	1187776	152.65	ug/L		99
85) Bromoform	10.731	173	323651	174.86	ug/L		99
86) 2-Chlorobenzotrifluoride	10.810	180	585823	146.99	ug/L		96
87) Isopropylbenzene	10.896	105	1678028	143.73	ug/L		100
88) Cyclohexanone	10.963	55	2252644	3206.52	ug/L		92
89) trans-1,4-Dichloro-2-B...	11.207	53	227097	167.75	ug/L	#	67
91) 1,1,2,2-Tetrachloroethane	11.158	83	591328	164.18	ug/L		94
92) Bromobenzene	11.140	156	451445	144.91	ug/L		94
93) 1,2,3-Trichloropropane	11.182	110	174480	144.39	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5859.D
Acq On : 3 Feb 2016 5:18 pm
Operator : F. Naegler
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 14:18:04 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Thu Feb 04 14:16:29 2016
Response via : Initial Calibration

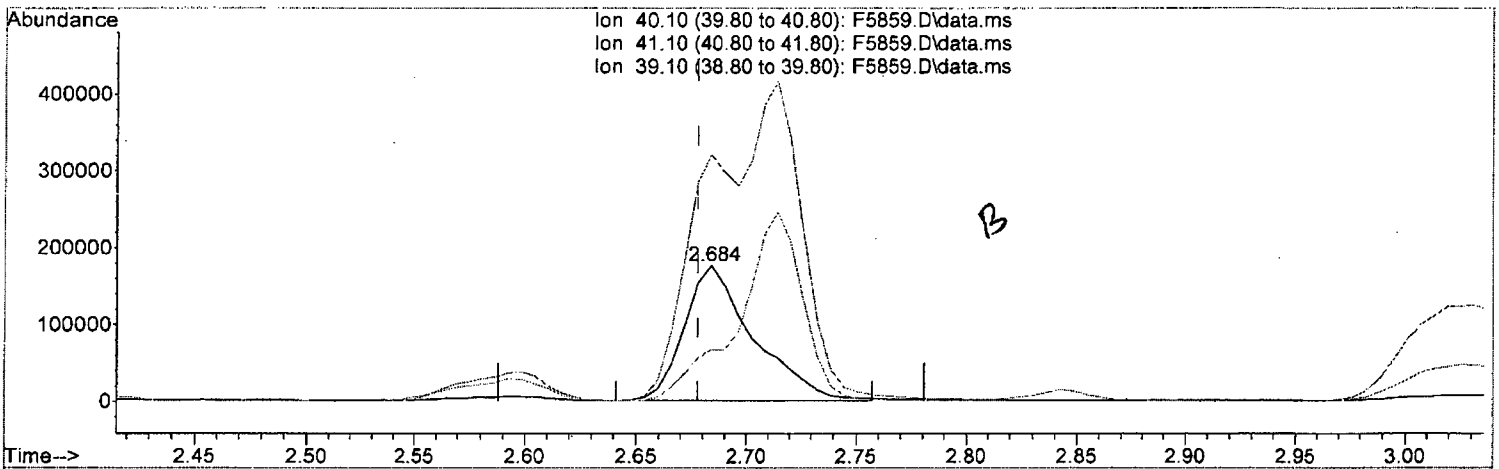
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) n-Propylbenzene	11.249	91	1954605	138.82	ug/L	100
95) 2-Chlorotoluene	11.316	91	1148440	139.58	ug/L	100
96) 3-Chlorotoluene	11.365	91	1265752	142.41	ug/L	96
97) 4-Chlorotoluene	11.408	91	1379550	146.56	ug/L	98
98) 1,3,5-Trimethylbenzene	11.402	105	1403453	141.27	ug/L	99
99) tert-Butylbenzene	11.670	119	1207922	140.62	ug/L	97
100) 1,2,4-Trimethylbenzene	11.713	105	1480727	144.80	ug/L	98
101) 3,4-Dichlorobenzotrifl...	11.774	214	481320	144.33	ug/L	96
102) sec-Butylbenzene	11.853	105	1757776	138.60	ug/L	97
103) p-Isopropyltoluene	11.975	119	1450132	142.44	ug/L	99
104) 1,3-Dclbenz	11.938	146	863393	146.11	ug/L	99
105) 1,4-Dclbenz	12.011	146	874193	140.82	ug/L	97
106) 2,4-Dichlorobenzotrifl...	12.060	214	438367	145.95	ug/L	97
107) 2,5-Dichlorobenzotrifl...	12.103	214	497275	146.26	ug/L	94
108) n-Butylbenzene	12.304	91	1322075	140.88	ug/L	99
109) 1,2-Dclbenz	12.310	146	869967	147.35	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.932	157	154847	168.20	ug/L	98
111) Trielution Dichlorotol...	13.048	125	2403608	449.98	ug/L	97
112) 1,3,5-Trichlorobenzene	13.103	180	665792	146.33	ug/L	97
113) Coelution Dichlorotoluene	13.377	125	1782931	298.30	ug/L	99
114) 1,2,4-Tcbenzene	13.584	180	618175	142.84	ug/L	99
115) Hexachlorobt	13.725	225	250042	128.86	ug/L	96
116) Naphthalen	13.773	128	2030607	156.03	ug/L	99
117) 1,2,3-Tclbenzene	13.962	180	630016	140.47	ug/L	96
118) 2,4,5-Trichlorotoluene	14.548	159	527002	159.97	ug/L	98
119) 2,3,6-Trichlorotoluene	14.633	159	467017	154.96	ug/L	98

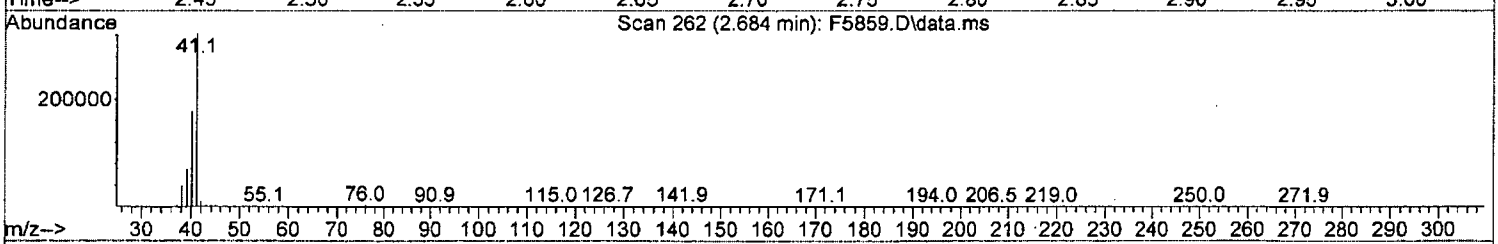
(#) = qualifier out of range (m) = manual integration (+) = signals summed

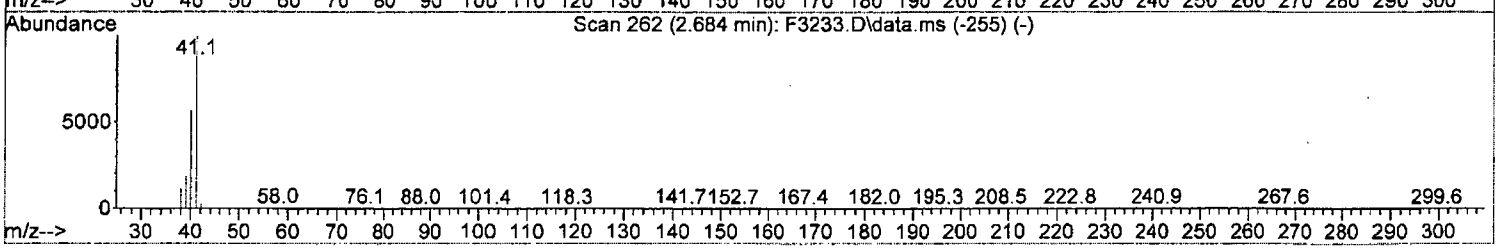
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5859.D
Acq On : 3 Feb 2016 5:18 pm
Operator : F. Naegler
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 14:17:18 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Thu Feb 04 14:16:29 2016
Response via : Initial Calibration







TIC: F5859.D\data.ms

(19) Acetonitrile

2.684min (+0.006) 1026.52 ug/L

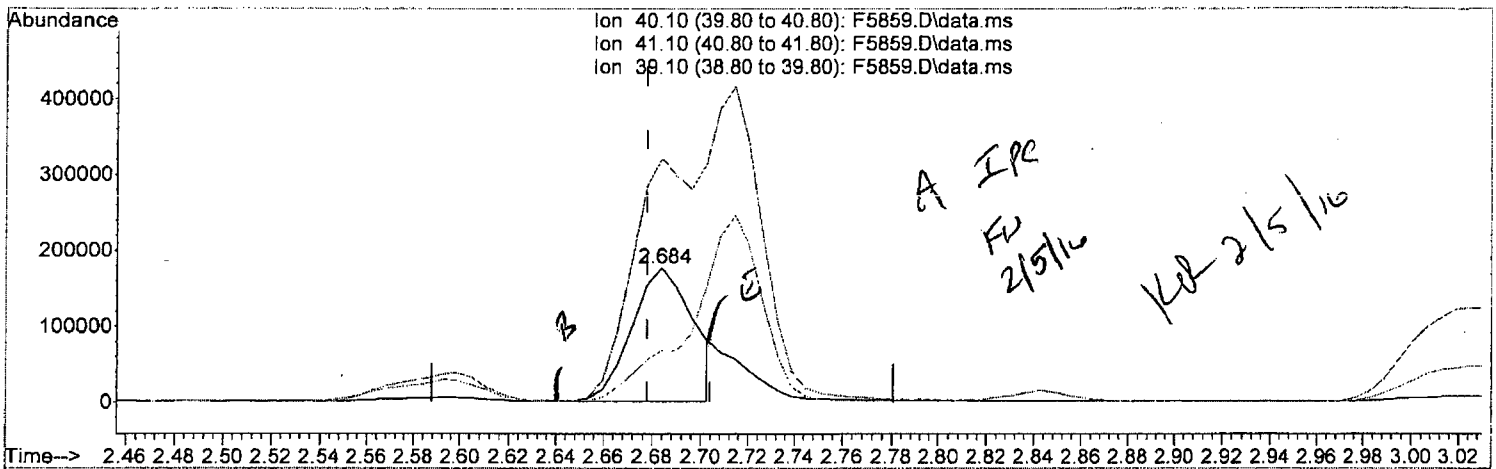
response 381427

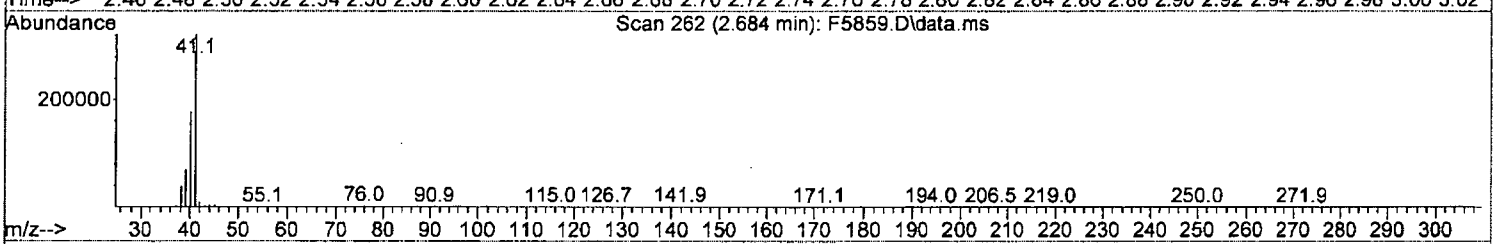
Ion	Exp%	Act%
40.10	100	100
41.10	176.40	181.79
39.10	34.00	38.31
0.00	0.00	0.00

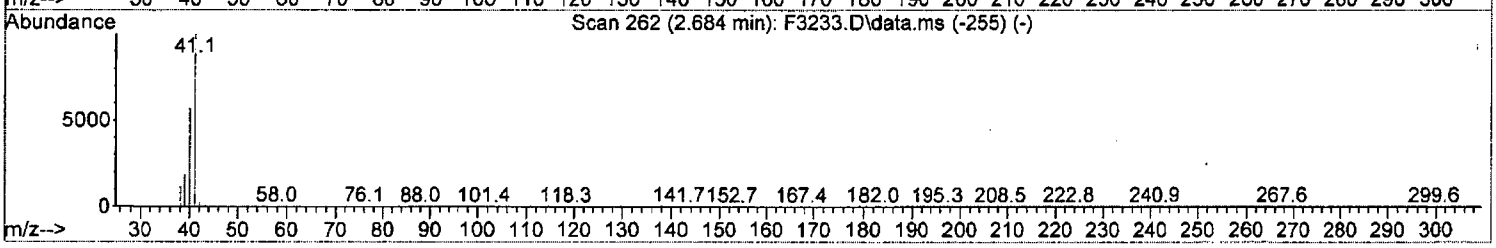
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5859.D
Acq On : 3 Feb 2016 5:18 pm
Operator : F. Naegler
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 14:17:18 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Thu Feb 04 14:16:29 2016
Response via : Initial Calibration







TIC: F5859.D\data.ms

(19) Acetonitrile

2.684min (+0.006) 822.38 ug/L m

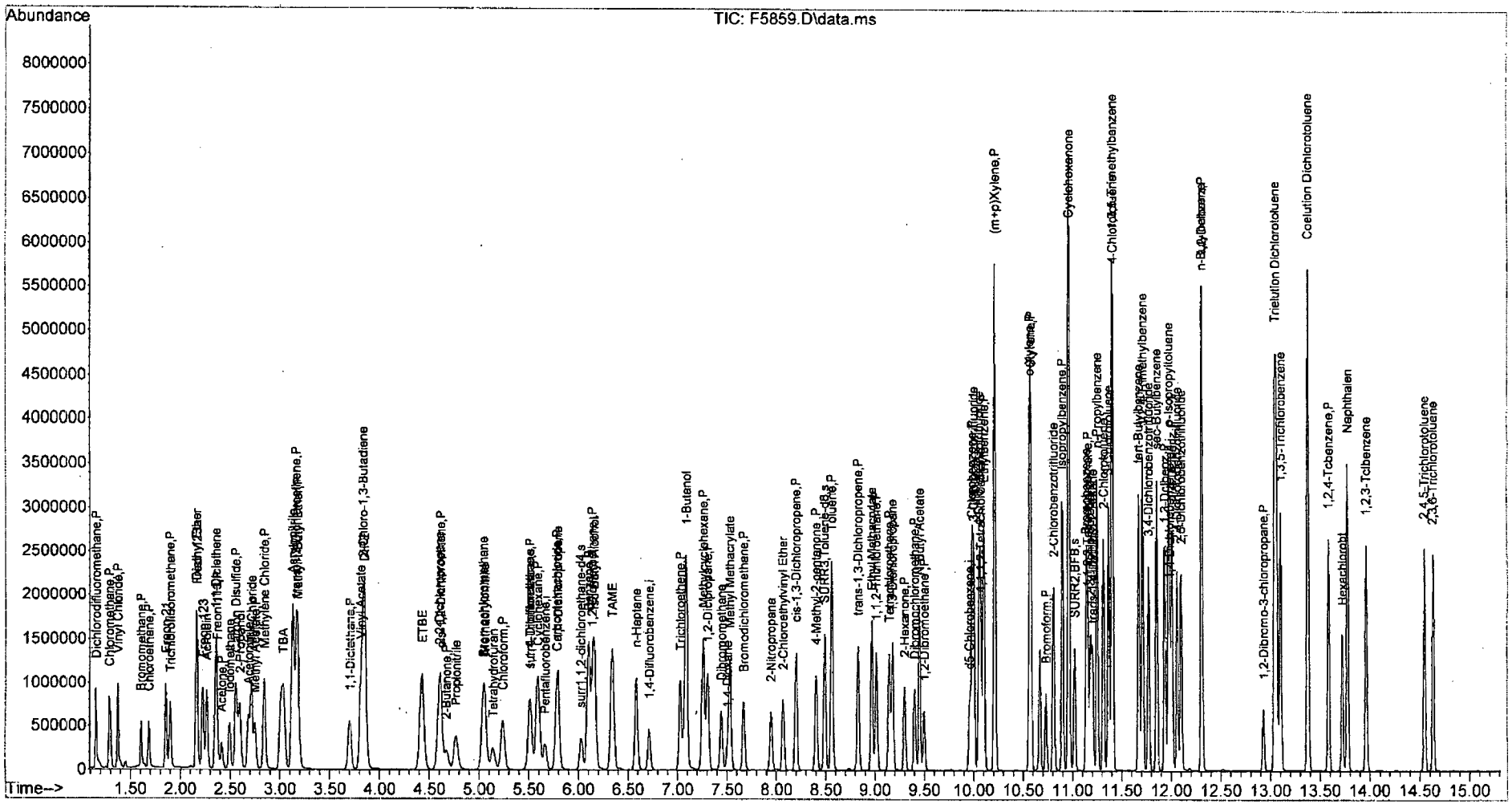
response 305574

Ion	Exp%	Act%
40.10	100	100
41.10	176.40	181.79
39.10	34.00	38.31
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5859.D
Acq On : 3 Feb 2016 5:18 pm
Operator : F. Naegler
Sample : 150 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 14:18:04 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Thu Feb 04 14:16:29 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5860.D
Acq On : 3 Feb 2016 5:43 pm
Operator : F. Naegler
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 14:21:19 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Thu Feb 04 14:19:23 2016
Response via : Initial Calibration

FV 2/5/16
JJB 2/5/16

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.665	168	251402	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.714	114	365701	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.957	117	325048	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.993	152	187595	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.513	113	430503	282.20	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 564.40%#				
46) surr1,1,2-dichloroetha...	6.031	65	512635	277.45	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 554.90%#				
64) SURR3,Toluene-d8	8.494	98	1649487	273.00	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 546.00%#				
69) SURR2,BFB	11.024	95	677958	294.01	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 588.02%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	640124	215.69	ug/L		97
3) Chloromethane	1.288	50	962954	215.60	ug/L		98
4) Vinyl Chloride	1.373	62	736084	206.82	ug/L		94
5) Bromomethane	1.605	94	217606	117.64	ug/L		98
6) Chloroethane	1.678	64	351800	181.03	ug/L		97
7) Freon 21	1.855	67	852935	199.56	ug/L		98
8) Trichlorofluoromethane	1.898	101	575329	201.38	ug/L		98
9) Diethyl Ether	2.160	59	518410	197.93	ug/L		94
10) Freon 123a	2.166	67	509874	181.71	ug/L		96
11) Freon 123	2.227	83	560031	197.82	ug/L		96
12) Acrolein	2.269	56	744342	1028.83	ug/L		96
13) 1,1-Diclethene	2.355	96	370613	184.46	ug/L	#	89
14) Freon 113	2.361	101	347396	185.87	ug/L		96
15) Acetone	2.416	43	343809	154.90	ug/L		93
16) 2-Propanol	2.617	45	1650743m	4357.71	ug/L		
17) Iodomethane	2.495	142	638722	327.25	ug/L		97
18) Carbon Disulfide	2.556	76	1198315	203.54	ug/L		100
19) Acetonitrile	2.690	40	378048m	1046.38	ug/L		
20) Allyl Chloride	2.714	76	200978	186.95	ug/L		94
21) Methyl Acetate	2.751	43	755083	196.91	ug/L		93
22) Methylene Chloride	2.842	84	464519	185.18	ug/L	#	82
23) TBA	3.062	59	2311241m	4396.92	ug/L		
24) Acrylonitrile	3.129	53	1717113	1011.22	ug/L		95
25) Methyl-t-Butyl Ether	3.178	73	1565396	195.97	ug/L		95
26) trans-1,2-Dichloroethene	3.159	96	407662	189.76	ug/L		96
27) 1,1-Diclethane	3.702	63	828385	195.31	ug/L		97
28) Vinyl Acetate	3.812	86	101390	188.90	ug/L	#	87
29) DIPE	3.854	45	2168575	201.57	ug/L		97
30) 2-Chloro-1,3-Butadiene	3.830	53	963327	191.56	ug/L		93
31) ETBE	4.428	59	1868005	202.47	ug/L		98
32) 2,2-Dichloropropane	4.598	77	594525	184.00	ug/L		94
33) cis-1,2-Dichloroethene	4.617	96	464273	185.05	ug/L		89
34) 2-Butanone	4.677	43	476274	181.15	ug/L		95
35) Propionitrile	4.769	54	735245	1026.14	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5860.D
Acq On : 3 Feb 2016 5:43 pm
Operator : F. Naegler
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 14:21:19 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Thu Feb 04 14:19:23 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) Bromochloromethane	5.043	130	319906	198.57 ug/L #	83
37) Methacrylonitrile	5.062	67	288708	199.77 ug/L #	72
38) Tetrahydrofuran	5.141	42	296968	178.34 ug/L	81
39) Chloroform	5.238	83	750676	190.54 ug/L	97
40) 1,1,1-Trichloroethane	5.513	97	605018	192.96 ug/L	97
42) Cyclohexane	5.592	41	557662	180.25 ug/L	100
44) Carbontetrachloride	5.781	121	165379	198.09 ug/L	99
45) 1,1-Dichloropropene	5.793	75	542530	192.45 ug/L	97
47) Benzene	6.104	78	1781451	195.45 ug/L	97
48) 1,2-Dichloroethane	6.147	62	693219	192.46 ug/L	99
49) Iso-Butyl Alcohol	6.177	43	1213051	4181.31 ug/L	98
50) TAME	6.342	73	1541873	196.80 ug/L	93
51) n-Heptane	6.586	43	727153	171.68 ug/L	87
52) 1-Butanol	7.098	56	1824786	11575.68 ug/L	85
53) Trichloroethene	7.031	130	461403	186.58 ug/L	99
54) Methylcyclohexane	7.262	55	708757	195.61 ug/L	91
55) 1,2-Diclpropane	7.305	63	519934	195.00 ug/L	100
56) Dibromomethane	7.445	93	297232	196.55 ug/L	95
57) 1,4-Dioxane	7.512	88	221001	4454.32 ug/L	93
58) Methyl Methacrylate	7.531	69	454529	196.21 ug/L #	80
59) Bromodichloromethane	7.671	83	596365	196.95 ug/L	98
60) 2-Nitropropane	7.945	41	454663	395.89 ug/L	96
61) 2-Chloroethylvinyl Ether	8.067	63	359626	210.60 ug/L	99
62) cis-1,3-Dichloropropene	8.201	75	786785	195.44 ug/L	97
63) 4-Methyl-2-pentanone	8.408	43	898790	190.30 ug/L	91
65) Toluene	8.561	91	1882949	194.79 ug/L	97
66) trans-1,3-Dichloropropene	8.829	75	749762	206.61 ug/L	97
67) Ethyl Methacrylate	8.969	69	821956	204.77 ug/L	82
68) 1,1,2-Trichloroethane	9.012	97	453239	196.65 ug/L	95
71) Tetrachloroethene	9.146	164	360053	189.52 ug/L	97
72) 2-Hexanone	9.299	43	693868	191.40 ug/L	92
73) 1,3-Dichloropropane	9.177	76	769161	192.24 ug/L	88
74) Dibromochloromethane	9.402	129	510918	201.94 ug/L	99
75) N-Butyl Acetate	9.451	43	1408788	206.64 ug/L	94
76) 1,2-Dibromoethane	9.500	107	487518	195.48 ug/L	99
77) 3-Chlorobenzotrifluoride	10.000	180	720229	183.97 ug/L	99
78) Chlorobenzene	9.987	112	1264380	188.54 ug/L	96
79) 4-Chlorobenzotrifluoride	10.054	180	647015	183.51 ug/L	97
80) 1,1,1,2-Tetrachloroethane	10.073	131	477874	197.46 ug/L	97
81) Ethylbenzene	10.103	106	672770	196.29 ug/L	100
82) (m+p)Xylene	10.213	106	1683262	388.28 ug/L	100
83) o-Xylene	10.567	106	865304	192.45 ug/L	96
84) Styrene	10.579	104	1522648	200.37 ug/L	99
85) Bromoform	10.731	173	412825	224.23 ug/L	97
86) 2-Chlorobenzotrifluoride	10.810	180	735362	189.81 ug/L	96
87) Isopropylbenzene	10.896	105	2202995	194.66 ug/L	99
88) Cyclohexanone	10.963	55	2697656	3906.87 ug/L	90
89) trans-1,4-Dichloro-2-B...	11.207	53	279524	208.79 ug/L #	68
91) 1,1,2,2-Tetrachloroethane	11.158	83	739024	202.44 ug/L	95
92) Bromobenzene	11.146	156	584282	188.03 ug/L	92
93) 1,2,3-Trichloropropane	11.188	110	215189	178.62 ug/L	97

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5860.D
Acq On : 3 Feb 2016 5:43 pm
Operator : F. Naegler
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 14:21:19 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Thu Feb 04 14:19:23 2016
Response via : Initial Calibration

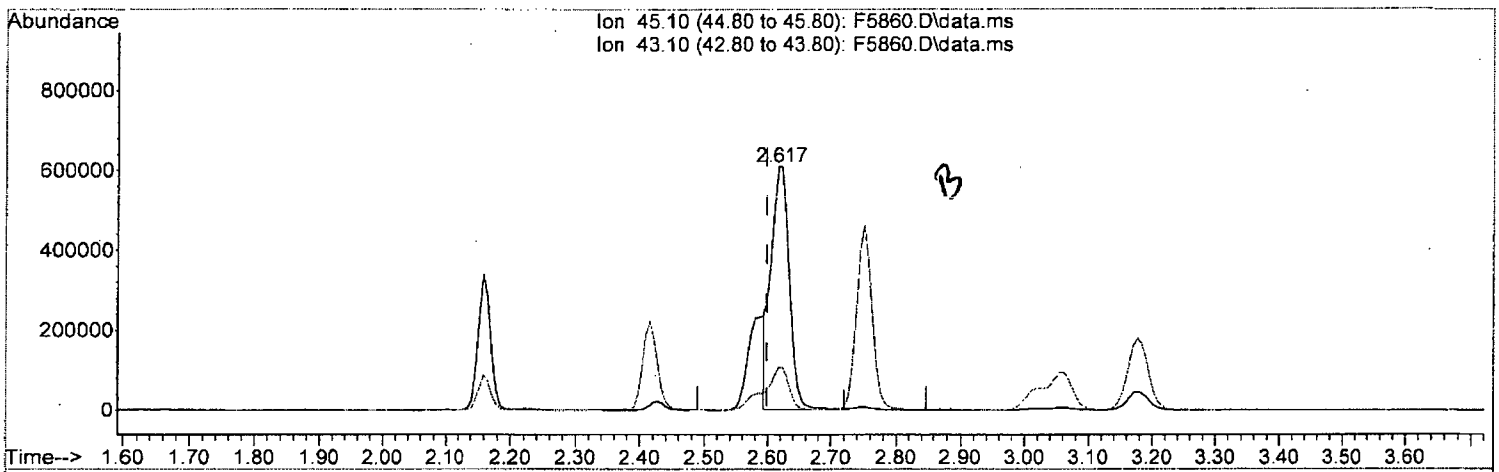
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	n-Propylbenzene	11.249	91	2580603	184.69	ug/L	99
95)	2-Chlorotoluene	11.316	91	1511967	185.06	ug/L	99
96)	3-Chlorotoluene	11.365	91	1661790	187.85	ug/L	96
97)	4-Chlorotoluene	11.408	91	1752625	186.41	ug/L	97
98)	1,3,5-Trimethylbenzene	11.402	105	1878338	190.13	ug/L	100
99)	tert-Butylbenzene	11.676	119	1631327	191.08	ug/L	97
100)	1,2,4-Trimethylbenzene	11.713	105	1972020	193.36	ug/L	99
101)	3,4-Dichlorobenzotrifl...	11.774	214	606136	182.31	ug/L	95
102)	sec-Butylbenzene	11.853	105	2375390	188.78	ug/L	99
103)	p-Isopropyltoluene	11.975	119	1969954	194.40	ug/L	100
104)	1,3-Dclbenz	11.938	146	1125921	190.84	ug/L	99
105)	1,4-Dclbenz	12.011	146	1160292	188.03	ug/L	97
106)	2,4-Dichlorobenzotrifl...	12.060	214	564166	188.15	ug/L	96
107)	2,5-Dichlorobenzotrifl...	12.103	214	612254	180.34	ug/L	95
108)	n-Butylbenzene	12.304	91	1832032	196.39	ug/L	99
109)	1,2-Dclbenz	12.310	146	1126800	190.95	ug/L	98
110)	1,2-Dibromo-3-chloropr...	12.932	157	193326	206.51	ug/L	98
111)	Trielution Dichlorotol...	13.054	125	3049020	569.84	ug/L	99
112)	1,3,5-Trichlorobenzene	13.103	180	843131	185.57	ug/L	98
113)	Coelution Dichlorotoluene	13.377	125	2259910	377.73	ug/L	99
114)	1,2,4-Tcbenzene	13.584	180	808643	187.66	ug/L	98
115)	Hexachlorobt	13.725	225	354429	185.62	ug/L	97
116)	Naphthalen	13.773	128	2561165	195.48	ug/L	100
117)	1,2,3-Tclbenzene	13.962	180	826339	185.40	ug/L	96
118)	2,4,5-Trichlorotoluene	14.548	159	662746	199.18	ug/L	98
119)	2,3,6-Trichlorotoluene	14.633	159	583237	192.40	ug/L	96

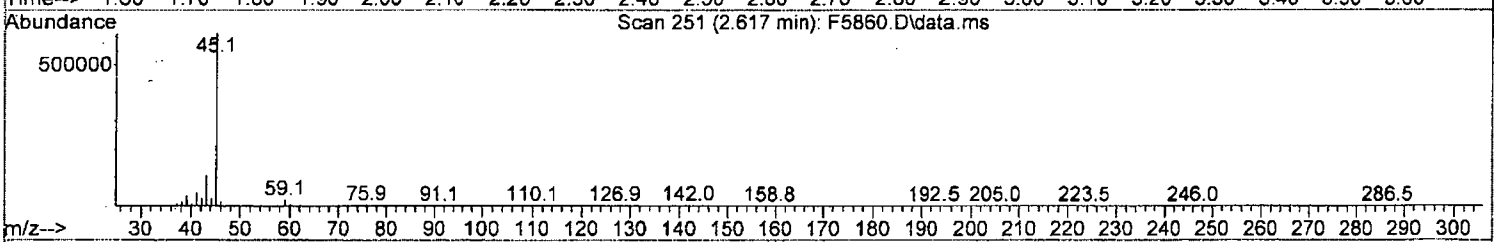
(#) = qualifier out of range (m) = manual integration (+) = signals summed

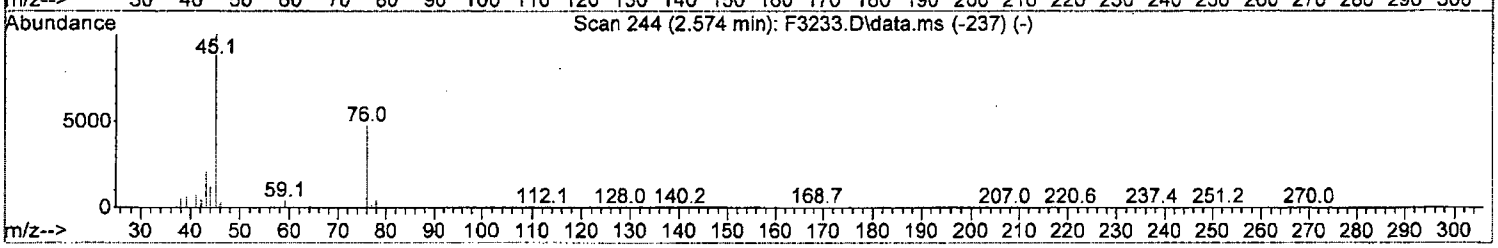
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5860.D
Acq On : 3 Feb 2016 5:43 pm
Operator : F. Naegler
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 14:19:40 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Thu Feb 04 14:19:23 2016
Response via : Initial Calibration







TIC: F5860.D\data.ms

(16) 2-Propanol

2.617min (+0.018) 3217.07 ug/L

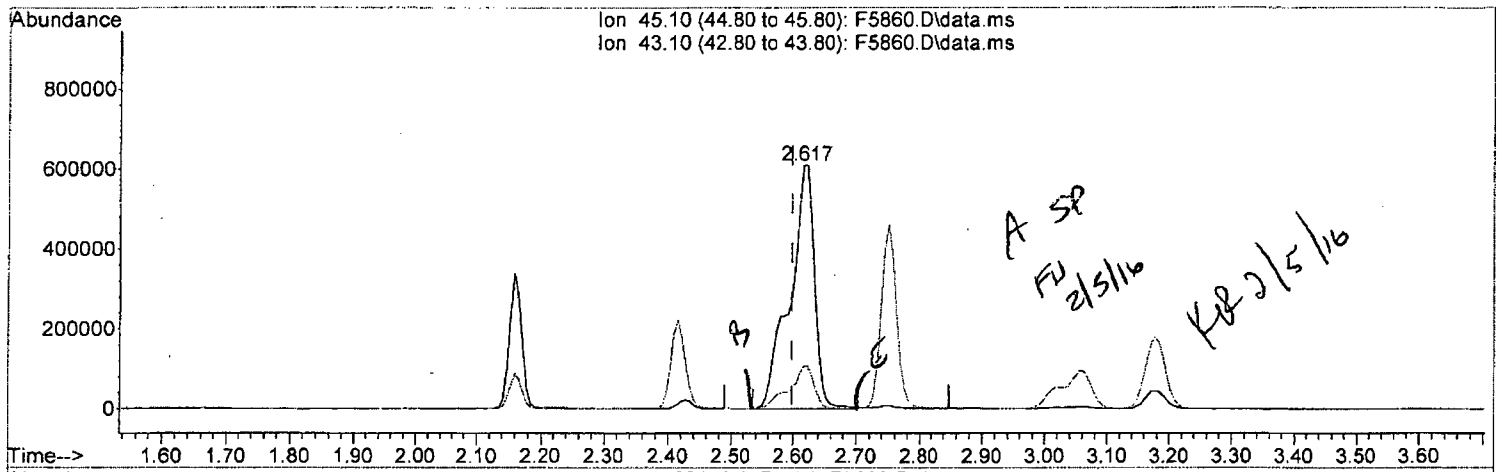
response 1218658

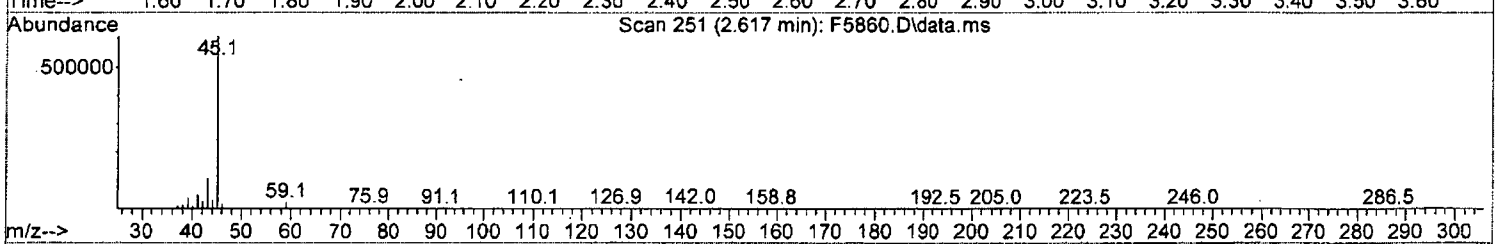
Ion	Exp%	Act%
45.10	100	100
43.10	20.60	17.65
0.00	0.00	0.00
0.00	0.00	0.00

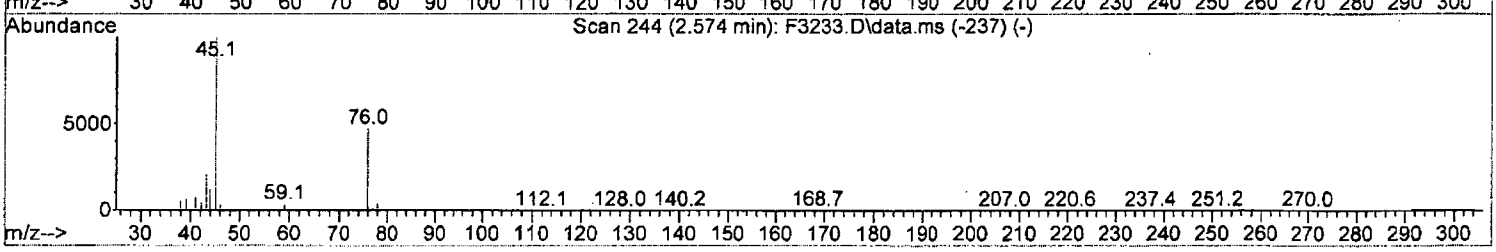
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5860.D
Acq On : 3 Feb 2016 5:43 pm
Operator : F. Naegler
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 14:19:40 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Thu Feb 04 14:19:23 2016
Response via : Initial Calibration







TIC: F5860.D\data.ms

(16) 2-Propanol

2.617min (+0.018) 4357.71 ug/L m

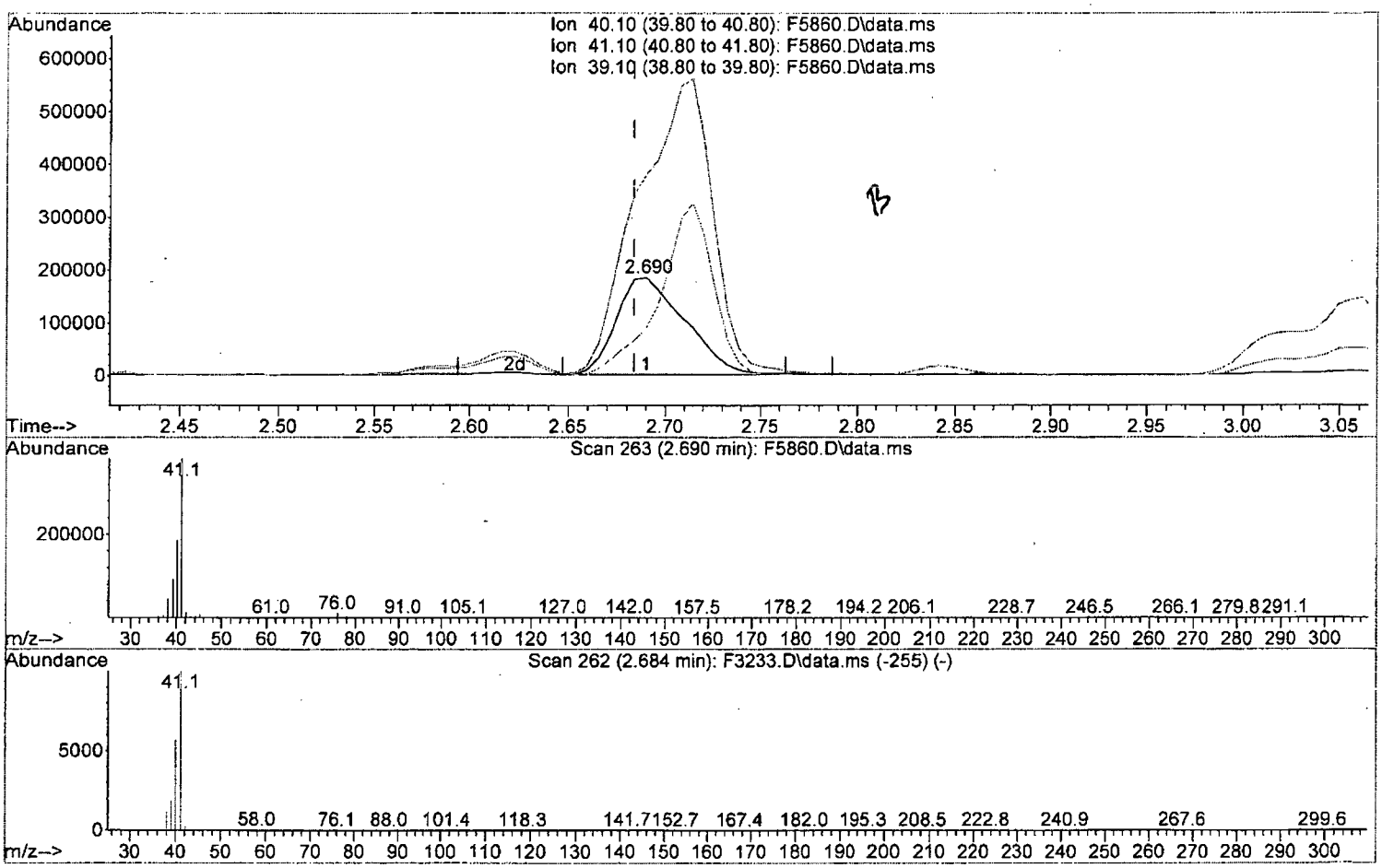
response 1650743

Ion	Exp%	Act%
45.10	100	100
43.10	20.60	17.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5860.D
Acq On : 3 Feb 2016 5:43 pm
Operator : F. Naegler
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 14:19:40 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Thu Feb 04 14:19:23 2016
Response via : Initial Calibration



TIC: F5860.D\data.ms

(19) Acetonitrile

2.690min (+0.006) 1259.36 ug/L

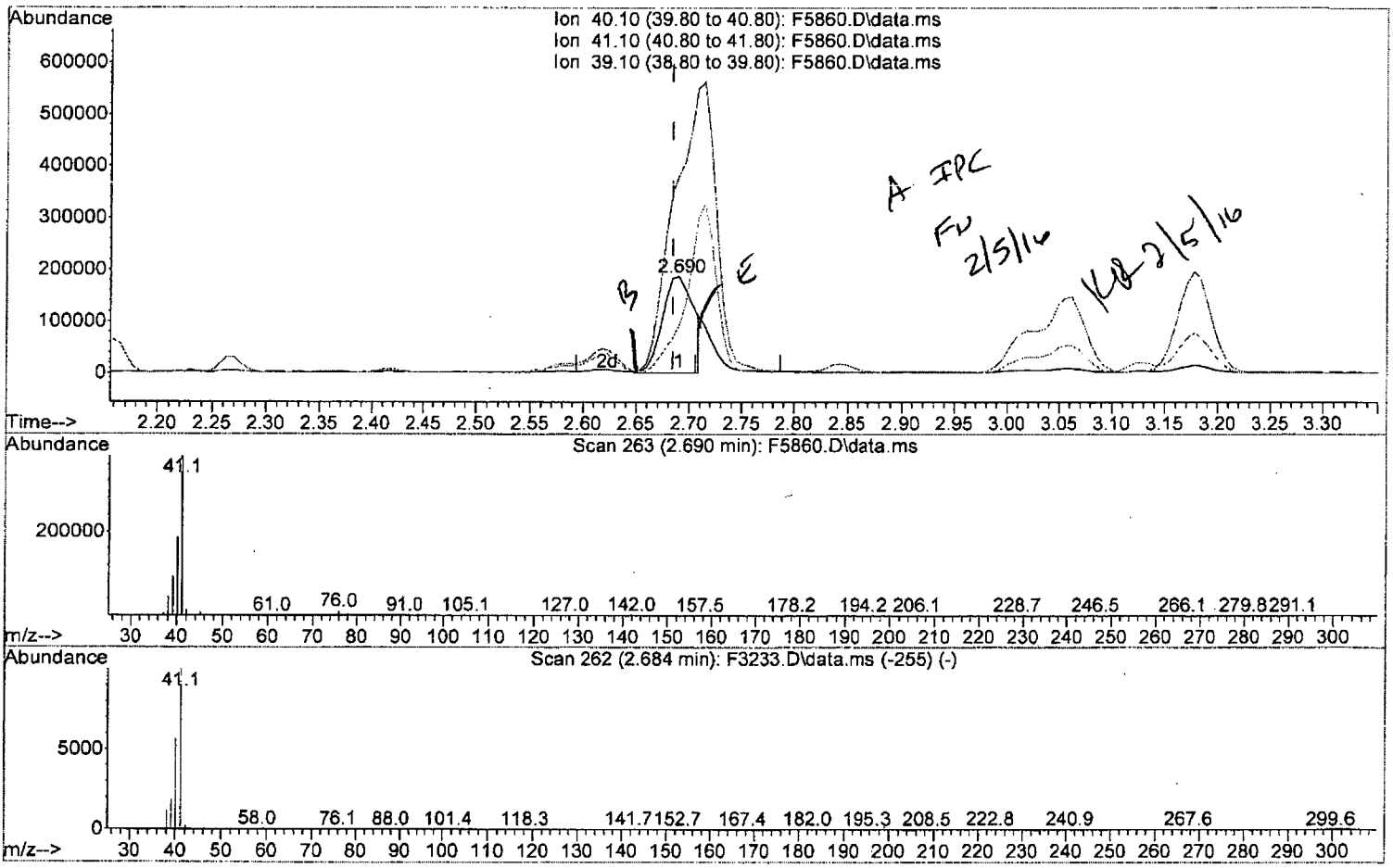
response 454994

Ion	Exp%	Act%
40.10	100	100
41.10	176.40	204.68#
39.10	34.00	49.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5860.D
Acq On : 3 Feb 2016 5:43 pm
Operator : F. Naegler
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 14:19:40 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Thu Feb 04 14:19:23 2016
Response via : Initial Calibration



TIC: F5860.D\data.ms

(19) Acetonitrile

2.690min (+0.006) 1046.38 ug/L m

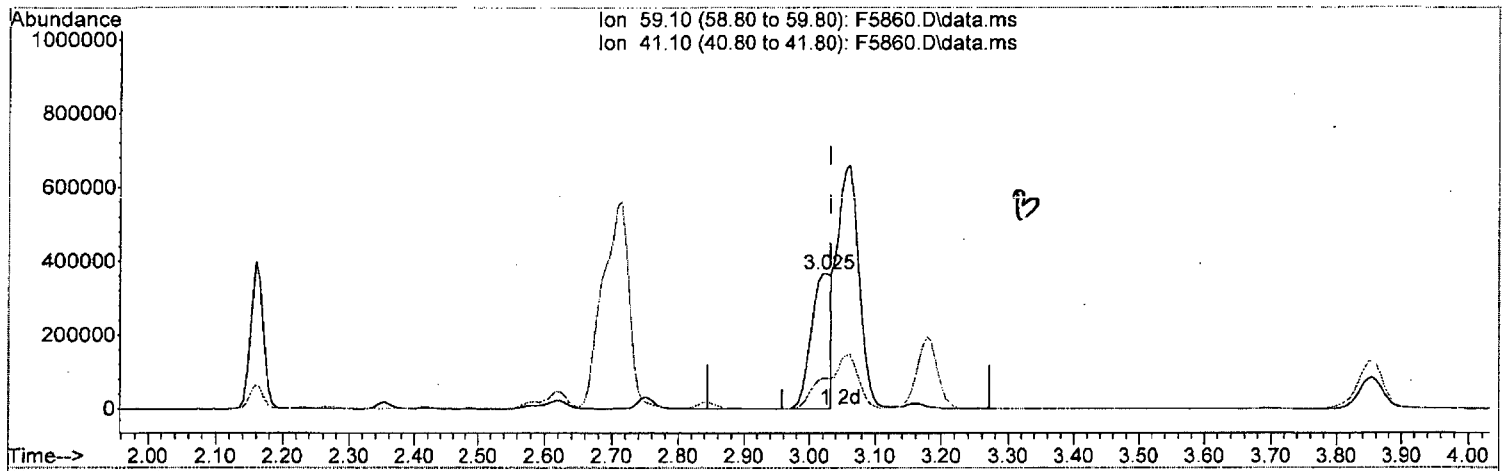
response 378048

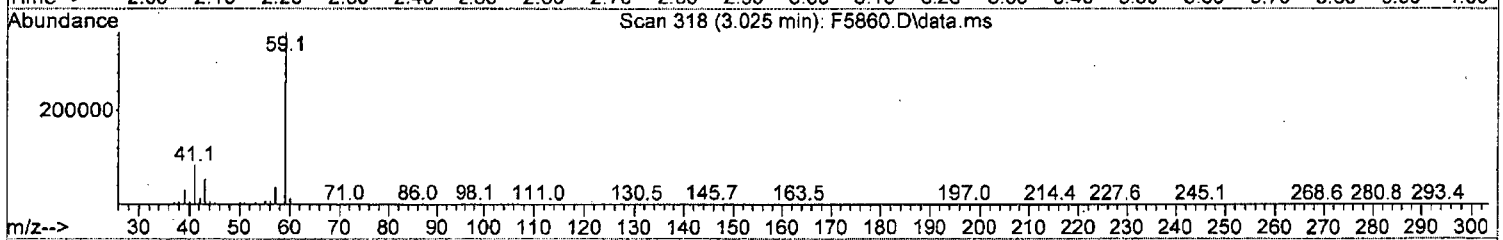
Ion	Exp%	Act%
40.10	100	100
41.10	176.40	204.68#
39.10	34.00	49.20
0.00	0.00	0.00

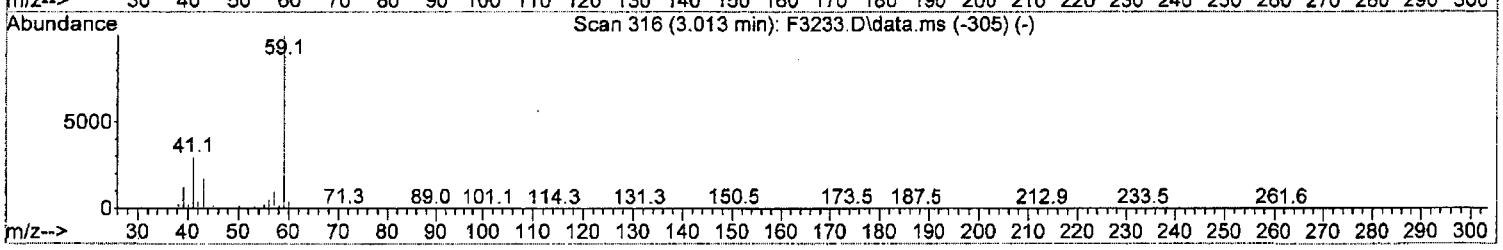
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5860.D
Acq On : 3 Feb 2016 5:43 pm
Operator : F. Naegler
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 14:19:40 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Thu Feb 04 14:19:23 2016
Response via : Initial Calibration







TIC: F5860.D\data.ms

(23) TBA

3.025min (-0.006) 1459.15 ug/L

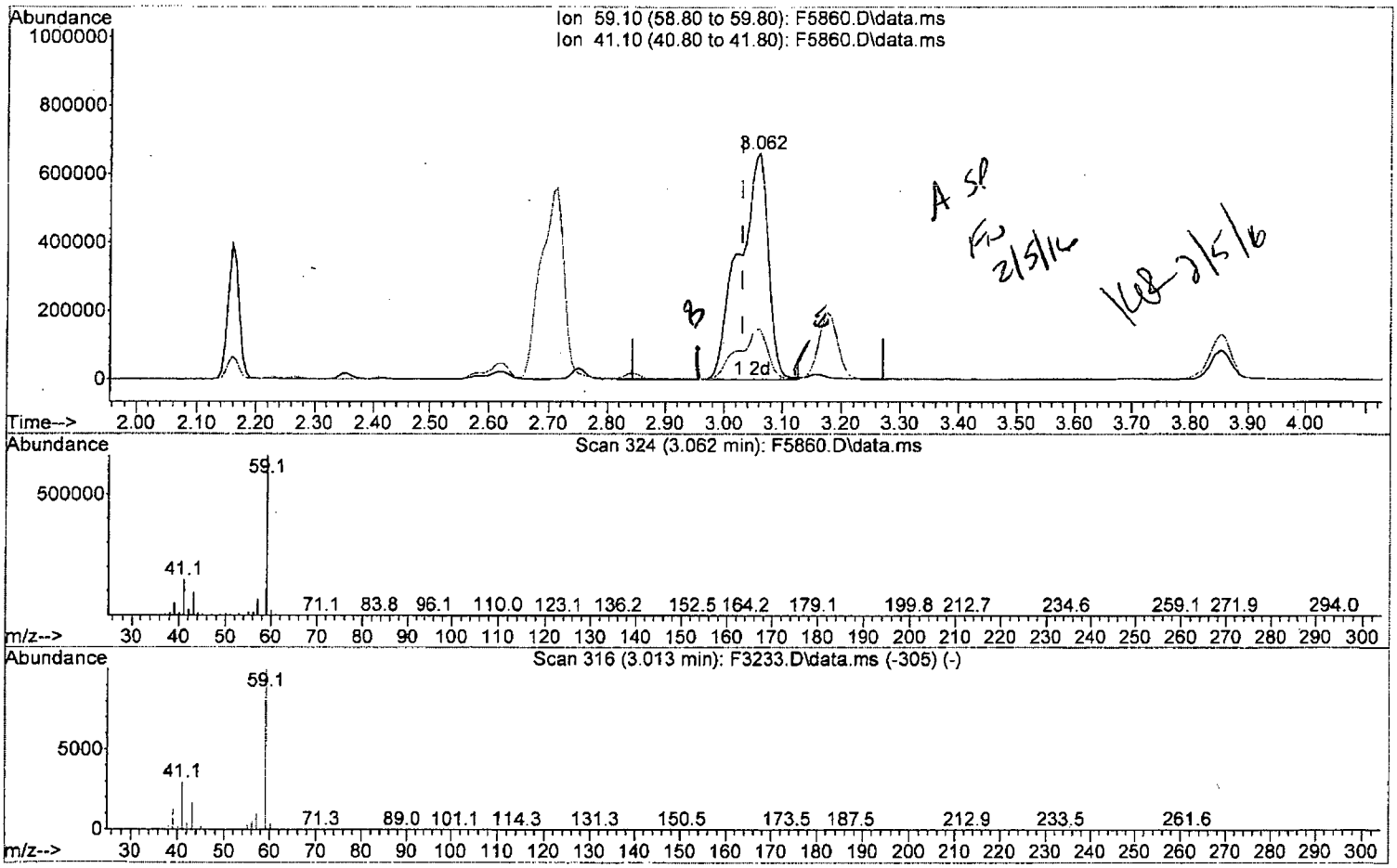
response 767001

Ion	Exp%	Act%
59.10	100	100
41.10	29.90	22.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5860.D
Acq On : 3 Feb 2016 5:43 pm
Operator : F. Naegler
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 14:19:40 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Thu Feb 04 14:19:23 2016
Response via : Initial Calibration



TIC: F5860.D\data.ms

(23) TBA

3.062min (+0.030) 4396.92 ug/L m

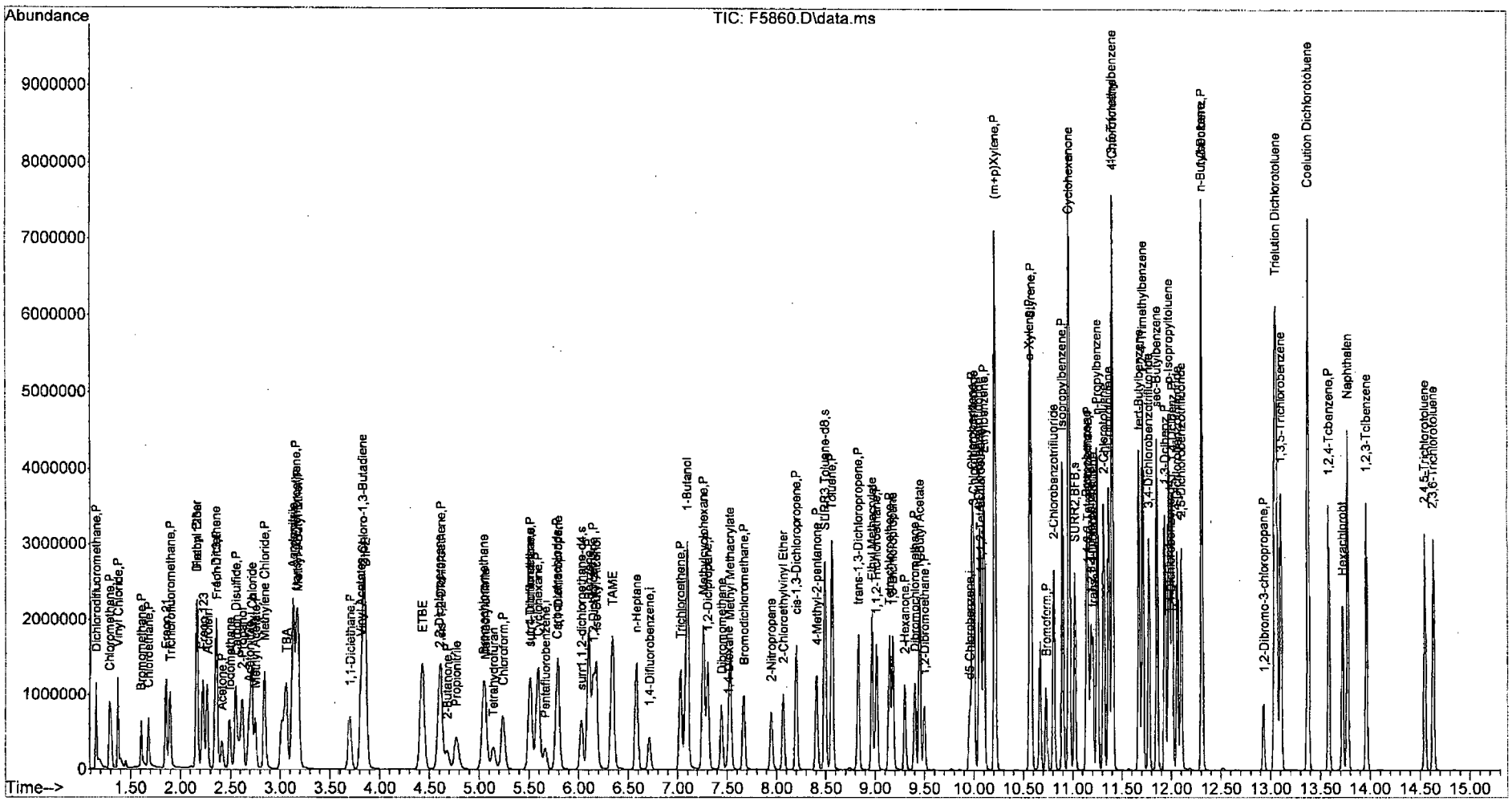
response 2311241

Ion	Exp%	Act%
59.10	100	100
41.10	29.90	22.36
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5860.D
Acq On : 3 Feb 2016 5:43 pm
Operator : F. Naegler
Sample : 200 PPB STD Inst : MSVOA10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 14:21:19 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Thu Feb 04 14:19:23 2016
Response via : Initial Calibration



Initial Calibration Verification Summary Report

Calibration ID:	RC1600010 2/3/16	**Instrument ID:**	R-MS-10
		Column Name:	I

Analyte	Lab Code	Type	Curve Fit	True Value	Calc Conc	Units	Result	Criteria
1,1,1,2-Tetrachloroethane	RC1600010-10	T	Average RF	50	49.39	ppm	-1.2	<=20
1,1,1,2-Tetrachloroethane	RC1600010-10	T	Average RF	50	49.39	ppm	-1.2	<=30
1,1,1-Trichloroethane (TCA)	RC1600010-10	T	Average RF	50	50.06	ppm	0.1	<=30
1,1,1-Trichloroethane (TCA)	RC1600010-10	T	Average RF	50	50.06	ppm	0.1	<=20
1,1,2,2-Tetrachloroethane	RC1600010-10	T	Average RF	50	52.23	ppm	4.5	<=30
1,1,2,2-Tetrachloroethane	RC1600010-10	T	Average RF	50	52.23	ppm	4.5	<=20
1,1,2-Trichloroethane	RC1600010-10	T	Average RF	50	50.07	ppm	0.1	<=20
1,1,2-Trichloroethane	RC1600010-10	T	Average RF	50	50.07	ppm	0.1	<=30
1,1,2-Trichlorotrifluoroethane	RC1600010-10	T	Average RF	50	49.53	ppm	-0.9	<=30
1,1,2-Trichlorotrifluoroethane	RC1600010-10	T	Average RF	50	49.53	ppm	-0.9	<=20
1,1-Dichloroethane (1,1-DCA)	RC1600010-10	T	Average RF	50	51.06	ppm	2.1	<=20
1,1-Dichloroethane (1,1-DCA)	RC1600010-10	T	Average RF	50	51.06	ppm	2.1	<=30
1,1-Dichloroethene (1,1-DCE)	RC1600010-10	T	Average RF	50	48.21	ppm	-3.6	<=20
1,1-Dichloroethene (1,1-DCE)	RC1600010-10	T	Average RF	50	48.21	ppm	-3.6	<=30
1,1-Dichloropropene	RC1600010-10	T	Average RF	50	53.18	ppm	6.4	<=30
1,1-Dichloropropene	RC1600010-10	T	Average RF	50	53.18	ppm	6.4	<=20
1,2,3-Trichlorobenzene	RC1600010-10	T	Average RF	50	46.46	ppm	-7.1	<=20
1,2,3-Trichlorobenzene	RC1600010-10	T	Average RF	50	46.46	ppm	-7.1	<=30
1,2,3-Trichloropropane	RC1600010-10	T	Average RF	50	48.14	ppm	-3.7	<=20
1,2,3-Trichloropropane	RC1600010-10	T	Average RF	50	48.14	ppm	-3.7	<=30
1,2,4-Trichlorobenzene	RC1600010-10	T	Average RF	50	48.60	ppm	-2.8	<=20
1,2,4-Trichlorobenzene	RC1600010-10	T	Average RF	50	48.60	ppm	-2.8	<=30
1,2,4-Trimethylbenzene	RC1600010-10	T	Average RF	50	50.01	ppm	0.0	<=20
1,2,4-Trimethylbenzene	RC1600010-10	T	Average RF	50	50.01	ppm	0.0	<=30
1,2-Dibromo-3-chloropropane (DBCP)	RC1600010-10	T	Average RF	50	51.12	ppm	2.2	<=30
1,2-Dibromo-3-chloropropane (DBCP)	RC1600010-10	T	Average RF	50	51.12	ppm	2.2	<=20
1,2-Dibromoethane	RC1600010-10	T	Average RF	50	50.81	ppm	1.6	<=30
1,2-Dibromoethane	RC1600010-10	T	Average RF	50	50.81	ppm	1.6	<=20
1,2-Dichloro-1,1,2-trifluoroethane (CFC 123:	RC1600010-10	T	Quadratic	50	60.29	ppm	20.6	<=20
1,2-Dichloro-1,1,2-trifluoroethane (CFC 123:	RC1600010-10	T	Quadratic	50	60.29	ppm	20.6	<=30
1,2-Dichlorobenzene	RC1600010-10	T	Average RF	50	49.64	ppm	-0.7	<=20
1,2-Dichlorobenzene	RC1600010-10	T	Average RF	50	49.64	ppm	-0.7	<=30
1,2-Dichloroethane	RC1600010-10	T	Average RF	50	51.11	ppm	2.2	<=30
1,2-Dichloroethane	RC1600010-10	T	Average RF	50	51.11	ppm	2.2	<=20
1,2-Dichloropropane	RC1600010-10	T	Average RF	50	51.76	ppm	3.5	<=20
1,2-Dichloropropane	RC1600010-10	T	Average RF	50	51.76	ppm	3.5	<=30
1,3,5-Trichlorobenzene	RC1600010-10	T	Average RF	50	49.88	ppm	-0.2	<=30
1,3,5-Trichlorobenzene	RC1600010-10	T	Average RF	50	49.88	ppm	-0.2	<=20
1,3,5-Trimethylbenzene	RC1600010-10	T	Average RF	50	49.92	ppm	-0.2	<=20
1,3,5-Trimethylbenzene	RC1600010-10	T	Average RF	50	49.92	ppm	-0.2	<=30
1,3-Dichlorobenzene	RC1600010-10	T	Average RF	50	49.31	ppm	-1.4	<=30
1,3-Dichlorobenzene	RC1600010-10	T	Average RF	50	49.31	ppm	-1.4	<=20
1,3-Dichloropropane	RC1600010-10	T	Average RF	50	50.47	ppm	0.9	<=20
1,3-Dichloropropane	RC1600010-10	T	Average RF	50	50.47	ppm	0.9	<=30
1,4-Dichlorobenzene	RC1600010-10	T	Average RF	50	48.35	ppm	-3.3	<=30
1,4-Dichlorobenzene	RC1600010-10	T	Average RF	50	48.35	ppm	-3.3	<=20
1,4-Dioxane	RC1600010-10	T	Average RF	1000	1005	ppm	0.5	<=20
1,4-Dioxane	RC1600010-10	T	Average RF	1000	1005	ppm	0.5	<=30
1-Butanol	RC1600010-10	T	Average RF	2500	2623	ppm	4.9	<=20
1-Butanol	RC1600010-10	T	Average RF	2500	2623	ppm	4.9	<=30
1-Chloro-4-(trifluoromethyl)benzene	RC1600010-10	T	Average RF	50	49.95	ppm	-0.1	<=30

(DD)

Initial Calibration Verification Summary Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Column Name:	1

Analyte	Lab Code	Type	Curve Fit	True Value	Calc Conc	Units	Result	Criteria
1-Chloro-4-(trifluoromethyl)benzene	RC1600010-10	T	Average RF	50	49.95	ppm	-0.1	<=20
2,2-Dichloro-1,1,1-trifluoroethane (CFC 123	RC1600010-10	T	Average RF	50	52.88	ppm	5.8	<=30
2,2-Dichloro-1,1,1-trifluoroethane (CFC 123	RC1600010-10	T	Average RF	50	52.88	ppm	5.8	<=20
2,2-Dichloropropane	RC1600010-10	T	Average RF	50	47.37	ppm	-5.3	<=20
2,2-Dichloropropane	RC1600010-10	T	Average RF	50	47.37	ppm	-5.3	<=30
2,3,6-Trichlorotoluene	RC1600010-10	T	Average RF	50	51.45	ppm	2.9	<=20
2,3,6-Trichlorotoluene	RC1600010-10	T	Average RF	50	51.45	ppm	2.9	<=30
2,4,5-Trichlorotoluene	RC1600010-10	T	Average RF	50	51.59	ppm	3.2	<=20
2,4,5-Trichlorotoluene	RC1600010-10	T	Average RF	50	51.59	ppm	3.2	<=30
2,4-, 2,5-, and 2,6-Dichlorotoluene Coelution	RC1600010-10	T	Average RF	150	155.0	ppm	3.3	<=30
2,4-, 2,5-, and 2,6-Dichlorotoluene Coelution	RC1600010-10	T	Average RF	150	155.0	ppm	3.3	<=20
2,4-Dichlorobenzotrifluoride	RC1600010-10	T	Average RF	50	50.45	ppm	0.9	<=30
2,4-Dichlorobenzotrifluoride	RC1600010-10	T	Average RF	50	50.45	ppm	0.9	<=20
2,5-Dichlorobenzotrifluoride	RC1600010-10	T	Average RF	50	51.51	ppm	3.0	<=20
2,5-Dichlorobenzotrifluoride	RC1600010-10	T	Average RF	50	51.51	ppm	3.0	<=30
2-Butanone (MEK)	RC1600010-10	T	Average RF	50	46.34	ppm	-7.3	<=30
2-Butanone (MEK)	RC1600010-10	T	Average RF	50	46.34	ppm	-7.3	<=20
2-Chloro-1,3-butadiene	RC1600010-10	T	Average RF	50	41.25	ppm	-17.5	<=30
2-Chloro-1,3-butadiene	RC1600010-10	T	Average RF	50	41.25	ppm	-17.5	<=20
2-Chlorobenzotrifluoride	RC1600010-10	T	Average RF	50	50.48	ppm	1.0	<=30
2-Chlorobenzotrifluoride	RC1600010-10	T	Average RF	50	50.48	ppm	1.0	<=20
2-Chloroethyl Vinyl Ether	RC1600010-10	T	Average RF	50	55.57	ppm	11.1	<=30
2-Chloroethyl Vinyl Ether	RC1600010-10	T	Average RF	50	55.57	ppm	11.1	<=20
2-Chlorotoluene	RC1600010-10	T	Average RF	50	49.37	ppm	-1.3	<=30
2-Chlorotoluene	RC1600010-10	T	Average RF	50	49.37	ppm	-1.3	<=20
2-Hexanone	RC1600010-10	T	Average RF	50	48.26	ppm	-3.5	<=20
2-Hexanone	RC1600010-10	T	Average RF	50	48.26	ppm	-3.5	<=30
2-Methyl-1-propanol	RC1600010-10	T	Average RF	1000	996.0	ppm	-0.4	<=30
2-Methyl-1-propanol	RC1600010-10	T	Average RF	1000	996.0	ppm	-0.4	<=20
2-Methyl-2-propanol	RC1600010-10	T	Average RF	1000	1054	ppm	5.4	<=20
2-Methyl-2-propanol	RC1600010-10	T	Average RF	1000	1054	ppm	5.4	<=30
2-Nitropropane	RC1600010-10	T	Average RF	100	98.68	ppm	-1.3	<=30
2-Nitropropane	RC1600010-10	T	Average RF	100	98.68	ppm	-1.3	<=20
2-Propanol	RC1600010-10	T	Average RF	1000	978.2	ppm	-2.2	<=30
2-Propanol	RC1600010-10	T	Average RF	1000	978.2	ppm	-2.2	<=20
3,4- and 2,3-Dichlorotoluene Coelution	RC1600010-10	T	Average RF	100	102.2	ppm	2.2	<=30
3,4- and 2,3-Dichlorotoluene Coelution	RC1600010-10	T	Average RF	100	102.2	ppm	2.2	<=20
3,4-Dichlorobenzotrifluoride	RC1600010-10	T	Average RF	50	50.94	ppm	1.9	<=30
3,4-Dichlorobenzotrifluoride	RC1600010-10	T	Average RF	50	50.94	ppm	1.9	<=20
3-Chloro-1-propene	RC1600010-10	T	Average RF	50	54.99	ppm	10.0	<=20
3-Chloro-1-propene	RC1600010-10	T	Average RF	50	54.99	ppm	10.0	<=30
3-Chlorobenzotrifluoride	RC1600010-10	T	Average RF	50	49.89	ppm	-0.2	<=20
3-Chlorobenzotrifluoride	RC1600010-10	T	Average RF	50	49.89	ppm	-0.2	<=30
3-Chlorotoluene	RC1600010-10	T	Average RF	50	50.52	ppm	1.0	<=30
3-Chlorotoluene	RC1600010-10	T	Average RF	50	50.52	ppm	1.0	<=20
4-Chlorotoluene	RC1600010-10	T	Average RF	50	50.01	ppm	0.0	<=20
4-Chlorotoluene	RC1600010-10	T	Average RF	50	50.01	ppm	0.0	<=30
4-Isopropyltoluene	RC1600010-10	T	Average RF	50	51.50	ppm	3.0	<=30
4-Isopropyltoluene	RC1600010-10	T	Average RF	50	51.50	ppm	3.0	<=20
4-Methyl-2-pentanone	RC1600010-10	T	Average RF	50	50.15	ppm	0.3	<=30
4-Methyl-2-pentanone	RC1600010-10	T	Average RF	50	50.15	ppm	0.3	<=20

Initial Calibration Verification Summary Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Column Name:	1

Analyte	Lab Code	Type	Curve Fit	True Value	Calc Conc	Units	Result	Criteria
Acetone	RC1600010-10	T	Average RF	50	51.01	ppm	2.0	<=20
Acetone	RC1600010-10	T	Average RF	50	51.01	ppm	2.0	<=30
Acetonitrile	RC1600010-10	T	Average RF	250	243.3	ppm	-2.7	<=20
Acetonitrile	RC1600010-10	T	Average RF	250	243.3	ppm	-2.7	<=30
Acrolein	RC1600010-10	T	Average RF	100	99.99	ppm	0.0	<=20
Acrolein	RC1600010-10	T	Average RF	100	99.99	ppm	0.0	<=30
Acrylonitrile	RC1600010-10	T	Average RF	250	251.1	ppm	0.4	<=20
Acrylonitrile	RC1600010-10	T	Average RF	250	251.1	ppm	0.4	<=30
Benzene	RC1600010-10	T	Average RF	50	50.74	ppm	1.5	<=30
Benzene	RC1600010-10	T	Average RF	50	50.74	ppm	1.5	<=20
Bromobenzene	RC1600010-10	T	Average RF	50	49.93	ppm	-0.1	<=30
Bromobenzene	RC1600010-10	T	Average RF	50	49.93	ppm	-0.1	<=20
Bromochloromethane	RC1600010-10	T	Average RF	50	50.00	ppm	0.0	<=20
Bromochloromethane	RC1600010-10	T	Average RF	50	50.00	ppm	0.0	<=30
Bromodichloromethane	RC1600010-10	T	Average RF	50	49.43	ppm	-1.1	<=30
Bromodichloromethane	RC1600010-10	T	Average RF	50	49.43	ppm	-1.1	<=20
Bromoform	RC1600010-10	T	Average RF	50	51.88	ppm	3.8	<=20
Bromoform	RC1600010-10	T	Average RF	50	51.88	ppm	3.8	<=30
Bromomethane	RC1600010-10	T	Quadratic	50	45.41	ppm	-9.2	<=20
Bromomethane	RC1600010-10	T	Quadratic	50	45.41	ppm	-9.2	<=30
Carbon Disulfide	RC1600010-10	T	Average RF	50	48.77	ppm	-2.5	<=20
Carbon Disulfide	RC1600010-10	T	Average RF	50	48.77	ppm	-2.5	<=30
Carbon Tetrachloride	RC1600010-10	T	Average RF	50	49.41	ppm	-1.2	<=30
Carbon Tetrachloride	RC1600010-10	T	Average RF	50	49.41	ppm	-1.2	<=20
Chlorobenzene	RC1600010-10	T	Average RF	50	49.16	ppm	-1.7	<=30
Chlorobenzene	RC1600010-10	T	Average RF	50	49.16	ppm	-1.7	<=20
Chloroethane	RC1600010-10	T	Average RF	50	50.27	ppm	0.5	<=20
Chloroethane	RC1600010-10	T	Average RF	50	50.27	ppm	0.5	<=30
Chloroform	RC1600010-10	T	Average RF	50	48.36	ppm	-3.3	<=20
Chloroform	RC1600010-10	T	Average RF	50	48.36	ppm	-3.3	<=30
Chloromethane	RC1600010-10	T	Average RF	50	49.28	ppm	-1.4	<=20
Chloromethane	RC1600010-10	T	Average RF	50	49.28	ppm	-1.4	<=30
Cyclohexane	RC1600010-10	T	Average RF	50	49.44	ppm	-1.1	<=30
Cyclohexane	RC1600010-10	T	Average RF	50	49.44	ppm	-1.1	<=20
Cyclohexanone	RC1600010-10	T	Average RF	1000	1027	ppm	2.7	<=20
Cyclohexanone	RC1600010-10	T	Average RF	1000	1027	ppm	2.7	<=30
Dibromochloromethane	RC1600010-10	T	Average RF	50	50.75	ppm	1.5	<=30
Dibromochloromethane	RC1600010-10	T	Average RF	50	50.75	ppm	1.5	<=20
Dibromomethane	RC1600010-10	T	Average RF	50	51.49	ppm	3.0	<=30
Dibromomethane	RC1600010-10	T	Average RF	50	51.49	ppm	3.0	<=20
Dichlorodifluoromethane (CFC 12)	RC1600010-10	T	Average RF	50	52.67	ppm	5.3	<=30
Dichlorodifluoromethane (CFC 12)	RC1600010-10	T	Average RF	50	52.67	ppm	5.3	<=20
Dichlorofluoromethane (CFC 21)	RC1600010-10	T	Average RF	50	56.15	ppm	12.3	<=30
Dichlorofluoromethane (CFC 21)	RC1600010-10	T	Average RF	50	56.15	ppm	12.3	<=20
Dichloromethane	RC1600010-10	T	Average RF	50	46.36	ppm	-7.3	<=20
Dichloromethane	RC1600010-10	T	Average RF	50	46.36	ppm	-7.3	<=30
Diethyl Ether	RC1600010-10	T	Average RF	50	50.85	ppm	1.7	<=20
Diethyl Ether	RC1600010-10	T	Average RF	50	50.85	ppm	1.7	<=30
Diisopropyl Ether	RC1600010-10	T	Average RF	50	44.08	ppm	-11.8	<=30
Diisopropyl Ether	RC1600010-10	T	Average RF	50	44.08	ppm	-11.8	<=20
Ethyl Methacrylate	RC1600010-10	T	Average RF	50	51.81	ppm	3.6	<=20

Initial Calibration Verification Summary Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Column Name:	1

Analyte	Lab Code	Type	Curve Fit	True Value	Calc Conc	Units	Result	Criteria
Ethyl Methacrylate	RC1600010-10	T	Average RF	50	51.81	ppm	3.6	<=30
Ethyl tert-Butyl Ether	RC1600010-10	T	Average RF	50	44.98	ppm	-10.0	<=30
Ethyl tert-Butyl Ether	RC1600010-10	T	Average RF	50	44.98	ppm	-10.0	<=20
Ethylbenzene	RC1600010-10	T	Average RF	50	49.80	ppm	-0.4	<=20
Ethylbenzene	RC1600010-10	T	Average RF	50	49.80	ppm	-0.4	<=30
Hexachlorobutadiene	RC1600010-10	T	Average RF	50	51.23	ppm	2.5	<=30
Hexachlorobutadiene	RC1600010-10	T	Average RF	50	51.23	ppm	2.5	<=20
Iodomethane	RC1600010-10	T	Quadratic	50	48.99	ppm	-2.0	<=30
Iodomethane	RC1600010-10	T	Quadratic	50	48.99	ppm	-2.0	<=20
Isopropylbenzene (Cumene)	RC1600010-10	T	Average RF	50	47.60	ppm	-4.8	<=20
Isopropylbenzene (Cumene)	RC1600010-10	T	Average RF	50	47.60	ppm	-4.8	<=30
Methacrylonitrile	RC1600010-10	T	Average RF	50	51.87	ppm	3.7	<=20
Methacrylonitrile	RC1600010-10	T	Average RF	50	51.87	ppm	3.7	<=30
Methyl Acetate	RC1600010-10	T	Average RF	50	48.06	ppm	-3.9	<=30
Methyl Acetate	RC1600010-10	T	Average RF	50	48.06	ppm	-3.9	<=20
Methyl Methacrylate	RC1600010-10	T	Average RF	50	51.54	ppm	3.1	<=30
Methyl Methacrylate	RC1600010-10	T	Average RF	50	51.54	ppm	3.1	<=20
Methyl tert-Butyl Ether	RC1600010-10	T	Average RF	50	51.02	ppm	2.0	<=20
Methyl tert-Butyl Ether	RC1600010-10	T	Average RF	50	51.02	ppm	2.0	<=30
Methylcyclohexane	RC1600010-10	T	Average RF	50	50.46	ppm	0.9	<=30
Methylcyclohexane	RC1600010-10	T	Average RF	50	50.46	ppm	0.9	<=20
Naphthalene	RC1600010-10	T	Average RF	50	51.28	ppm	2.6	<=30
Naphthalene	RC1600010-10	T	Average RF	50	51.28	ppm	2.6	<=20
Propionitrile	RC1600010-10	T	Average RF	250	250.0	ppm	0.0	<=20
Propionitrile	RC1600010-10	T	Average RF	250	250.0	ppm	0.0	<=30
Styrene	RC1600010-10	T	Average RF	50	50.08	ppm	0.2	<=20
Styrene	RC1600010-10	T	Average RF	50	50.08	ppm	0.2	<=30
Tetrachloroethene (PCE)	RC1600010-10	T	Average RF	50	49.66	ppm	-0.7	<=30
Tetrachloroethene (PCE)	RC1600010-10	T	Average RF	50	49.66	ppm	-0.7	<=20
Tetrahydrofuran (THF)	RC1600010-10	T	Average RF	50	53.91	ppm	7.8	<=20
Tetrahydrofuran (THF)	RC1600010-10	T	Average RF	50	53.91	ppm	7.8	<=30
Toluene	RC1600010-10	T	Average RF	50	49.99	ppm	0.0	<=30
Toluene	RC1600010-10	T	Average RF	50	49.99	ppm	0.0	<=20
Trichloroethene (TCE)	RC1600010-10	T	Average RF	50	48.80	ppm	-2.4	<=30
Trichloroethene (TCE)	RC1600010-10	T	Average RF	50	48.80	ppm	-2.4	<=20
Trichlorofluoromethane (CFC 11)	RC1600010-10	T	Average RF	50	51.74	ppm	3.5	<=30
Trichlorofluoromethane (CFC 11)	RC1600010-10	T	Average RF	50	51.74	ppm	3.5	<=20
Vinyl Acetate	RC1600010-10	T	Average RF	50	50.76	ppm	1.5	<=20
Vinyl Acetate	RC1600010-10	T	Average RF	50	50.76	ppm	1.5	<=30
Vinyl Chloride	RC1600010-10	T	Average RF	50	53.31	ppm	6.6	<=30
Vinyl Chloride	RC1600010-10	T	Average RF	50	53.31	ppm	6.6	<=20
cis-1,2-Dichloroethene	RC1600010-10	T	Average RF	50	48.47	ppm	-3.1	<=20
cis-1,2-Dichloroethene	RC1600010-10	T	Average RF	50	48.47	ppm	-3.1	<=30
cis-1,3-Dichloropropene	RC1600010-10	T	Average RF	50	49.52	ppm	-1.0	<=30
cis-1,3-Dichloropropene	RC1600010-10	T	Average RF	50	49.52	ppm	-1.0	<=20
m,p-Xylenes	RC1600010-10	T	Average RF	100	99.91	ppm	-0.1	<=30
m,p-Xylenes	RC1600010-10	T	Average RF	100	99.91	ppm	-0.1	<=20
n-Butyl Acetate	RC1600010-10	T	Average RF	50	51.42	ppm	2.8	<=30
n-Butyl Acetate	RC1600010-10	T	Average RF	50	51.42	ppm	2.8	<=20
n-Butylbenzene	RC1600010-10	T	Average RF	50	50.07	ppm	0.1	<=30
n-Butylbenzene	RC1600010-10	T	Average RF	50	50.07	ppm	0.1	<=20

Initial Calibration Verification Summary Report

Calibration ID:	RC1600010	**Instrument ID:**	R-MS-10
		Column Name:	1

Analyte	Lab Code	Type	Curve Fit	True Value	Calc Conc	Units	Result	Criteria
n-Heptane	RC1600010-10	T	Average RF	50	46.85	ppm	-6.3	<=30
n-Heptane	RC1600010-10	T	Average RF	50	46.85	ppm	-6.3	<=20
n-Propylbenzene	RC1600010-10	T	Average RF	50	47.52	ppm	-5.0	<=20
n-Propylbenzene	RC1600010-10	T	Average RF	50	47.52	ppm	-5.0	<=30
o-Xylene	RC1600010-10	T	Average RF	50	48.13	ppm	-3.7	<=20
o-Xylene	RC1600010-10	T	Average RF	50	48.13	ppm	-3.7	<=30
sec-Butylbenzene	RC1600010-10	T	Average RF	50	48.32	ppm	-3.4	<=30
sec-Butylbenzene	RC1600010-10	T	Average RF	50	48.32	ppm	-3.4	<=20
tert-Amyl Methyl Ether	RC1600010-10	T	Average RF	50	46.32	ppm	-7.4	<=20
tert-Amyl Methyl Ether	RC1600010-10	T	Average RF	50	46.32	ppm	-7.4	<=30
tert-Butylbenzene	RC1600010-10	T	Average RF	50	48.52	ppm	-3.0	<=30
tert-Butylbenzene	RC1600010-10	T	Average RF	50	48.52	ppm	-3.0	<=20
trans-1,2-Dichloroethene	RC1600010-10	T	Average RF	50	48.60	ppm	-2.8	<=30
trans-1,2-Dichloroethene	RC1600010-10	T	Average RF	50	48.60	ppm	-2.8	<=20
trans-1,3-Dichloropropene	RC1600010-10	T	Average RF	50	51.61	ppm	3.2	<=30
trans-1,3-Dichloropropene	RC1600010-10	T	Average RF	50	51.61	ppm	3.2	<=20
trans-1,4-Dichloro-2-butene	RC1600010-10	T	Average RF	50	46.73	ppm	-6.5	<=20
trans-1,4-Dichloro-2-butene	RC1600010-10	T	Average RF	50	46.73	ppm	-6.5	<=30
1,2-Dichloroethane-d4	RC1600010-10	S	Average RF	50	51.06	ppm	2.1	<=20
1,2-Dichloroethane-d4	RC1600010-10	S	Average RF	50	51.06	ppm	2.1	<=30
4-Bromofluorobenzene	RC1600010-10	S	Average RF	50	51.25	ppm	2.5	<=30
4-Bromofluorobenzene	RC1600010-10	S	Average RF	50	51.25	ppm	2.5	<=20
Dibromofluoromethane	RC1600010-10	S	Average RF	50	50.24	ppm	0.5	<=20
Dibromofluoromethane	RC1600010-10	S	Average RF	50	50.24	ppm	0.5	<=30
Toluene-d8	RC1600010-10	S	Average RF	50	50.69	ppm	1.4	<=30
Toluene-d8	RC1600010-10	S	Average RF	50	50.69	ppm	1.4	<=20

Exceptions

QAP	Method
DOD QSM V4.2 Rochester	8260C

Compound	Type	Criteria	Result
1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	Percent Difference	<= 20	20.59

Exceptions

QAP	Method
DOD QSM v5.0 Rochester	8260C

Compound	Type	Criteria	Result
1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	Percent Difference	<= 20	20.59

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5863.D
Acq On : 3 Feb 2016 6:55 pm
Operator : F. Naegler
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 05 08:45:07 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 08:42:39 2016
Response via : Initial Calibration

FV 2/5/16

VR 2/5/16

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	266828	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	380867	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	333826	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	181958	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	117485	50.24	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 100.48%			
46) surr1,1,2-dichloroetha...	6.031	65	143990	51.06	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 102.12%			
64) SURR3,Toluene-d8	8.488	98	464446	50.69	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 101.38%			
69) SURR2,BFB	11.018	95	183509	51.25	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.154	85	167338	52.67	ug/L	97
3) Chloromethane	1.288	50	235629	49.28	ug/L	99
4) Vinyl Chloride	1.373	62	202126	53.31	ug/L	96
5) Bromomethane	1.605	94	71410	45.41	ug/L	100
6) Chloroethane	1.690	64	102590	50.27	ug/L	96
7) Freon 21	1.861	67	254664	56.15	ug/L	97
8) Trichlorofluoromethane	1.904	101	157002	51.74	ug/L	99
9) Diethyl Ether	2.160	59	141200	50.85	ug/L	94
10) Freon 123a	2.166	67	156985	60.29	ug/L	100
11) Freon 123	2.227	83	158713	52.88	ug/L	96
12) Acrolein	2.269	56	77025	99.99	ug/L	93
13) 1,1-Diclethene	2.361	96	101916	48.21	ug/L #	88
14) Freon 113	2.367	101	97483	49.53	ug/L	99
15) Acetone	2.410	43	94828	51.01	ug/L	94
16) 2-Propanol	2.568	45	397177	978.15	ug/L	98
17) Iodomethane	2.495	142	145239	48.99	ug/L	97
18) Carbon Disulfide	2.556	76	305343	48.77	ug/L	99
19) Acetonitrile	2.684	40	101527m	243.27	ug/L	
20) Allyl Chloride	2.714	76	62291	54.99	ug/L #	76
21) Methyl Acetate	2.751	43	195264	48.06	ug/L	92
22) Methylene Chloride	2.849	84	122407	46.36	ug/L #	80
23) TBA	3.007	59	594292	1053.61	ug/L	87
24) Acrylonitrile	3.123	53	453082	251.08	ug/L	95
25) Methyl-t-Butyl Ether	3.178	73	431576	51.02	ug/L	94
26) trans-1,2-Dichloroethene	3.159	96	110190	48.60	ug/L	100
27) 1,1-Diclethane	3.696	63	229240	51.06	ug/L	97
28) Vinyl Acetate	3.812	86	28740	50.76	ug/L #	77
29) DIPE	3.848	45	503756	44.08	ug/L	98
30) 2-Chloro-1,3-Butadiene	3.836	53	219133	41.25	ug/L	87
31) ETBE	4.428	59	441069	44.98	ug/L	97
32) 2,2-Dichloropropane	4.604	77	161007	47.37	ug/L	97
33) cis-1,2-Dichloroethene	4.617	96	128000	48.47	ug/L	90
34) 2-Butanone	4.671	43	127946	46.34	ug/L	93
35) Propionitrile	4.763	54	190648	249.97	ug/L	98

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5863.D
Acq On : 3 Feb 2016 6:55 pm
Operator : F. Naegler
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 05 08:45:07 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 08:42:39 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Bromochloromethane	5.043	130	85420	50.00	ug/L	#	84
37) Methacrylonitrile	5.055	67	79561	51.87	ug/L	#	67
38) Tetrahydrofuran	5.141	42	85349	53.91	ug/L		82
39) Chloroform	5.238	83	201158	48.36	ug/L		96
40) 1,1,1-Trichloroethane	5.513	97	165949	50.06	ug/L		95
42) Cyclohexane	5.592	41	148518	49.44	ug/L		100
44) Carbontetrachloride	5.781	121	42919	49.41	ug/L		91
45) 1,1-Dichloropropene	5.793	75	155478	53.18	ug/L		96
47) Benzene	6.104	78	480449	50.74	ug/L		97
48) 1,2-Dichloroethane	6.147	62	190939	51.11	ug/L		98
49) Iso-Butyl Alcohol	6.147	43	302456	996.02	ug/L		96
50) TAME	6.342	73	377259	46.32	ug/L		91
51) n-Heptane	6.586	43	190583	46.85	ug/L		88
52) 1-Butanol	7.073	56	456276	2623.04	ug/L		82
53) Trichloroethene	7.031	130	124745	48.80	ug/L		95
54) Methylcyclohexane	7.256	55	189954	50.46	ug/L		87
55) 1,2-Diclpropane	7.305	63	143328	51.76	ug/L		99
56) Dibromomethane	7.445	93	80943	51.49	ug/L		95
57) 1,4-Dioxane	7.506	88	54233	1005.14	ug/L		93
58) Methyl Methacrylate	7.531	69	124076	51.54	ug/L	#	81
59) Bromodichloromethane	7.665	83	155619	49.43	ug/L		96
60) 2-Nitropropane	7.945	41	117896	98.68	ug/L		91
61) 2-Chloroethylvinyl Ether	8.067	63	99409	55.57	ug/L		100
62) cis-1,3-Dichloropropene	8.201	75	207107	49.52	ug/L		97
63) 4-Methyl-2-pentanone	8.402	43	245364	50.15	ug/L		90
65) Toluene	8.561	91	501836	49.99	ug/L		100
66) trans-1,3-Dichloropropene	8.829	75	195755	51.61	ug/L		99
67) Ethyl Methacrylate	8.963	69	217166	51.81	ug/L		85
68) 1,1,2-Trichloroethane	9.012	97	119964	50.07	ug/L		96
71) Tetrachloroethene	9.146	164	96334	49.66	ug/L		95
72) 2-Hexanone	9.299	43	178805	48.26	ug/L		88
73) 1,3-Dichloropropane	9.177	76	206486	50.47	ug/L		91
74) Dibromochloromethane	9.402	129	132018	50.75	ug/L		98
75) N-Butyl Acetate	9.451	43	361365	51.42	ug/L		93
76) 1,2-Dibromoethane	9.494	107	129811	50.81	ug/L		98
77) 3-Chlorobenzotrifluoride	10.000	180	198806	49.89	ug/L		99
78) Chlorobenzene	9.981	112	336417	49.16	ug/L		96
79) 4-Chlorobenzotrifluoride	10.054	180	179212	49.95	ug/L		96
80) 1,1,1,2-Tetrachloroethane	10.067	131	122581	49.39	ug/L		93
81) Ethylbenzene	10.103	106	174951	49.80	ug/L		96
82) (m+p)Xylene	10.213	106	443393	99.91	ug/L		96
83) o-Xylene	10.567	106	221320	48.13	ug/L		96
84) Styrene	10.579	104	390928	50.08	ug/L		98
85) Bromoform	10.731	173	99414	51.88	ug/L		99
86) 2-Chlorobenzotrifluoride	10.810	180	199719	50.48	ug/L		95
87) Isopropylbenzene	10.896	105	551585	47.60	ug/L		98
88) Cyclohexanone	10.957	55	726617	1027.31	ug/L		90
89) trans-1,4-Dichloro-2-B...	11.201	53	64567	46.73	ug/L		72
91) 1,1,2,2-Tetrachloroethane	11.152	83	185203	52.23	ug/L		95
92) Bromobenzene	11.140	156	149492	49.93	ug/L		97
93) 1,2,3-Trichloropropane	11.182	110	55584	48.14	ug/L	#	87

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5863.D
Acq On : 3 Feb 2016 6:55 pm
Operator : F. Naegler
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 05 08:45:07 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 08:42:39 2016
Response via : Initial Calibration

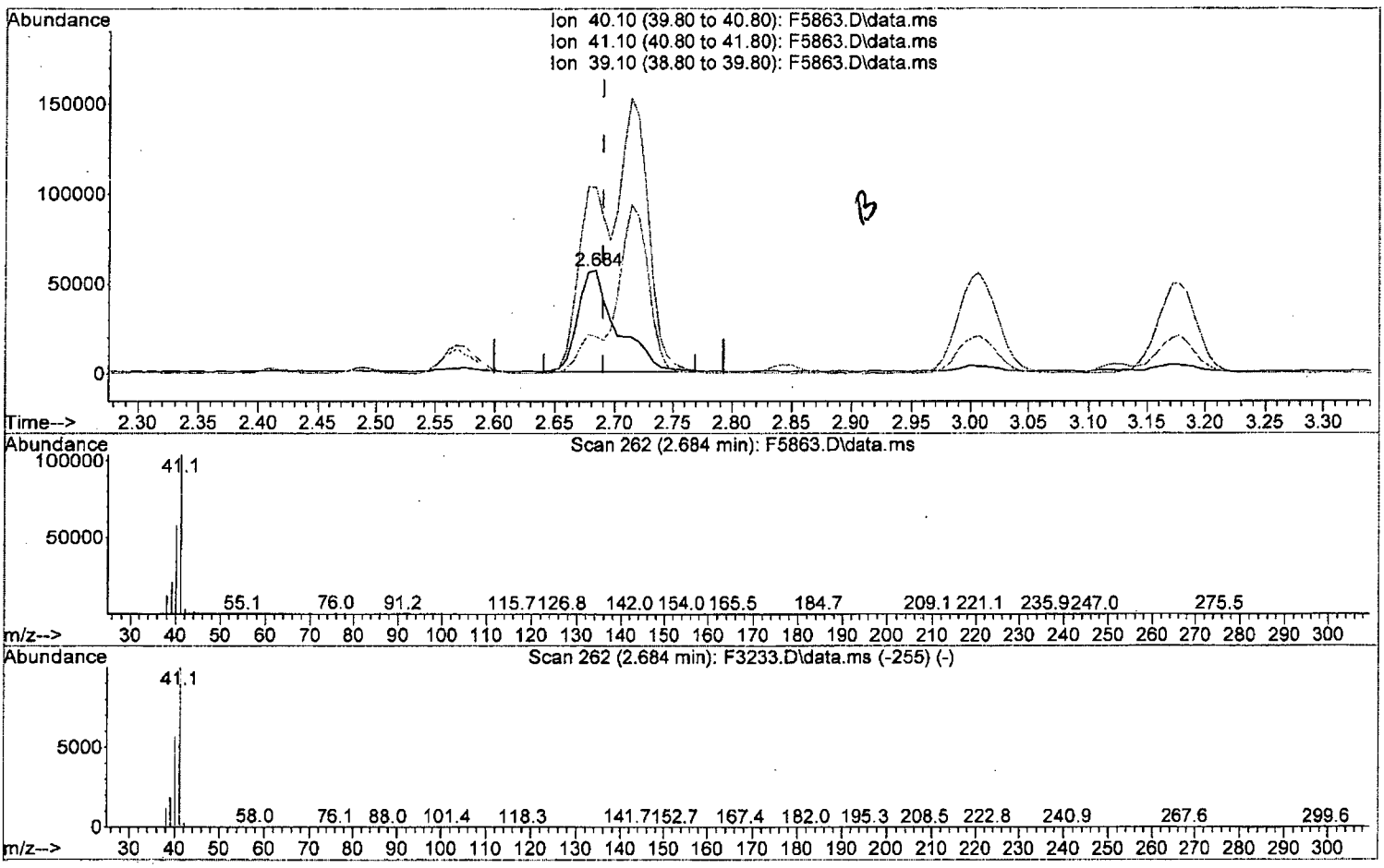
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	n-Propylbenzene	11.249	91	638622	47.52	ug/L	99
95)	2-Chlorotoluene	11.310	91	388034	49.37	ug/L	98
96)	3-Chlorotoluene	11.365	91	430570	50.52	ug/L	97
97)	4-Chlorotoluene	11.408	91	452581	50.01	ug/L	99
98)	1,3,5-Trimethylbenzene	11.402	105	475765	49.92	ug/L	100
99)	tert-Butylbenzene	11.670	119	399752	48.52	ug/L	98
100)	1,2,4-Trimethylbenzene	11.713	105	492860	50.01	ug/L	99
101)	3,4-Dichlorobenzotrifl...	11.774	214	162667	50.94	ug/L	96
102)	sec-Butylbenzene	11.853	105	586081	48.32	ug/L	98
103)	p-Isopropyltoluene	11.975	119	504609	51.50	ug/L	98
104)	1,3-Dclbenz	11.932	146	280730	49.31	ug/L	98
105)	1,4-Dclbenz	12.005	146	287452	48.35	ug/L	96
106)	2,4-Dichlorobenzotrifl...	12.060	214	145771	50.45	ug/L	94
107)	2,5-Dichlorobenzotrifl...	12.103	214	167768	51.51	ug/L	93
108)	n-Butylbenzene	12.304	91	452178	50.07	ug/L	98
109)	1,2-Dclbenz	12.310	146	282710	49.64	ug/L	98
110)	1,2-Dibromo-3-chloropr...	12.932	157	48389	51.12	ug/L	97
111)	Trielution Dichlorotol...	13.048	125	799690	154.95	ug/L	97
112)	1,3,5-Trichlorobenzene	13.103	180	218077	49.88	ug/L	97
113)	Coelution Dichlorotoluene	13.377	125	589196	102.16	ug/L	97
114)	1,2,4-Tcbenzene	13.584	180	201734	48.60	ug/L	96
115)	Hexachlorobt	13.718	225	88299	51.23	ug/L	96
116)	Naphthalen	13.773	128	650093	51.28	ug/L	98
117)	1,2,3-Tclbenzene	13.962	180	199243	46.46	ug/L	95
118)	2,4,5-Trichlorotoluene	14.547	159	166425	51.59	ug/L	97
119)	2,3,6-Trichlorotoluene	14.633	159	150649	51.45	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5863.D
Acq On : 3 Feb 2016 6:55 pm
Operator : F. Naegler
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 05 08:43:57 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 08:42:39 2016
Response via : Initial Calibration



TIC: F5863.D\data.ms

(19) Acetonitrile

2.684min (-0.006) 309.85 ug/L

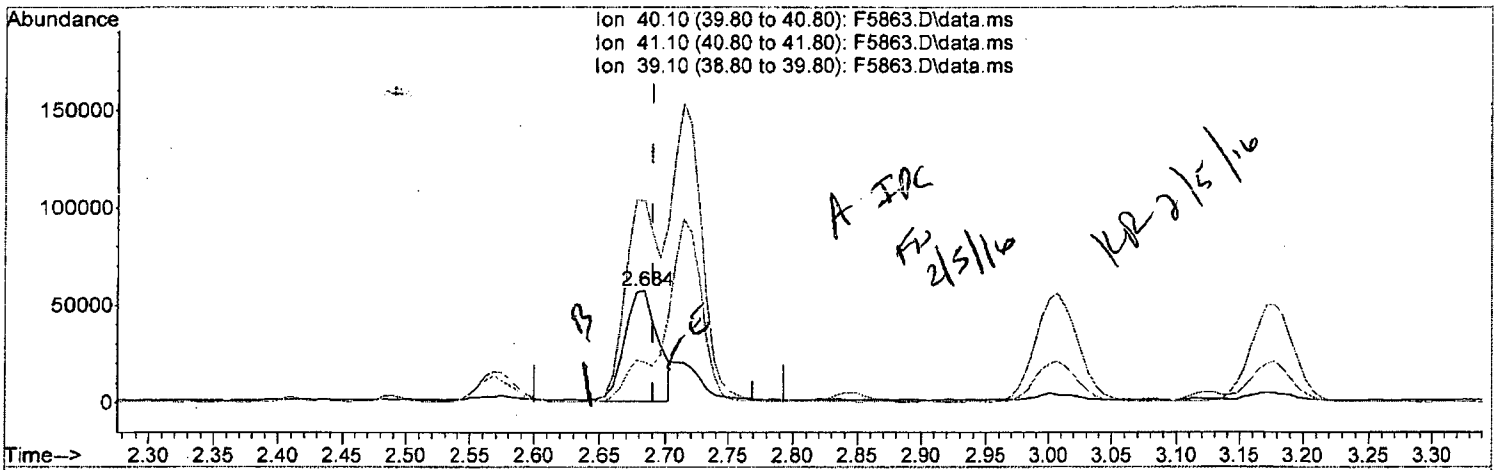
response 129316

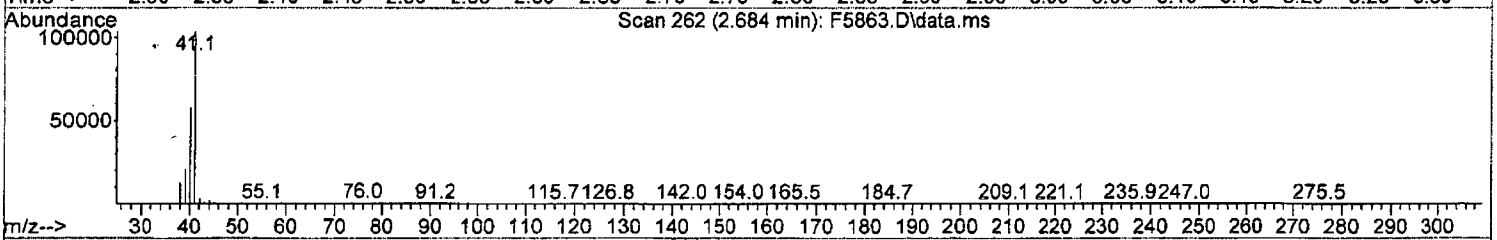
Ion	Exp%	Act%
40.10	100	100
41.10	176.40	180.45
39.10	34.00	36.15
0.00	0.00	0.00

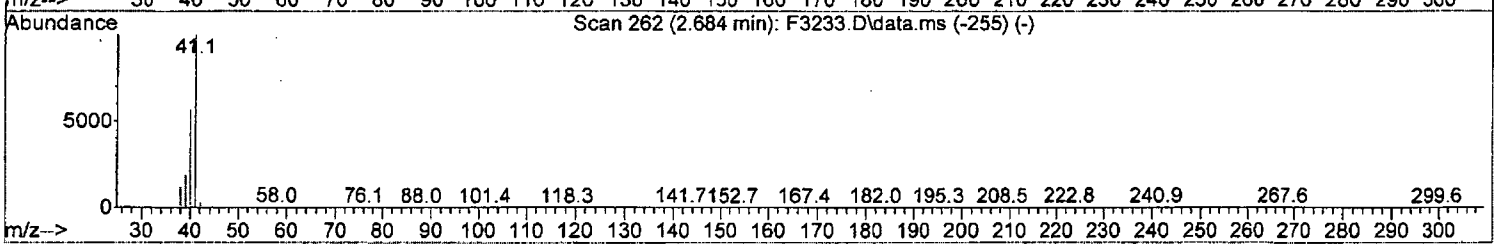
Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5863.D
Acq On : 3 Feb 2016 6:55 pm
Operator : F. Naegler
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 05 08:43:57 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 08:42:39 2016
Response via : Initial Calibration







TIC: F5863.D\data.ms

(19) Acetonitrile

2.684min (-0.006) 243.27 ug/L m

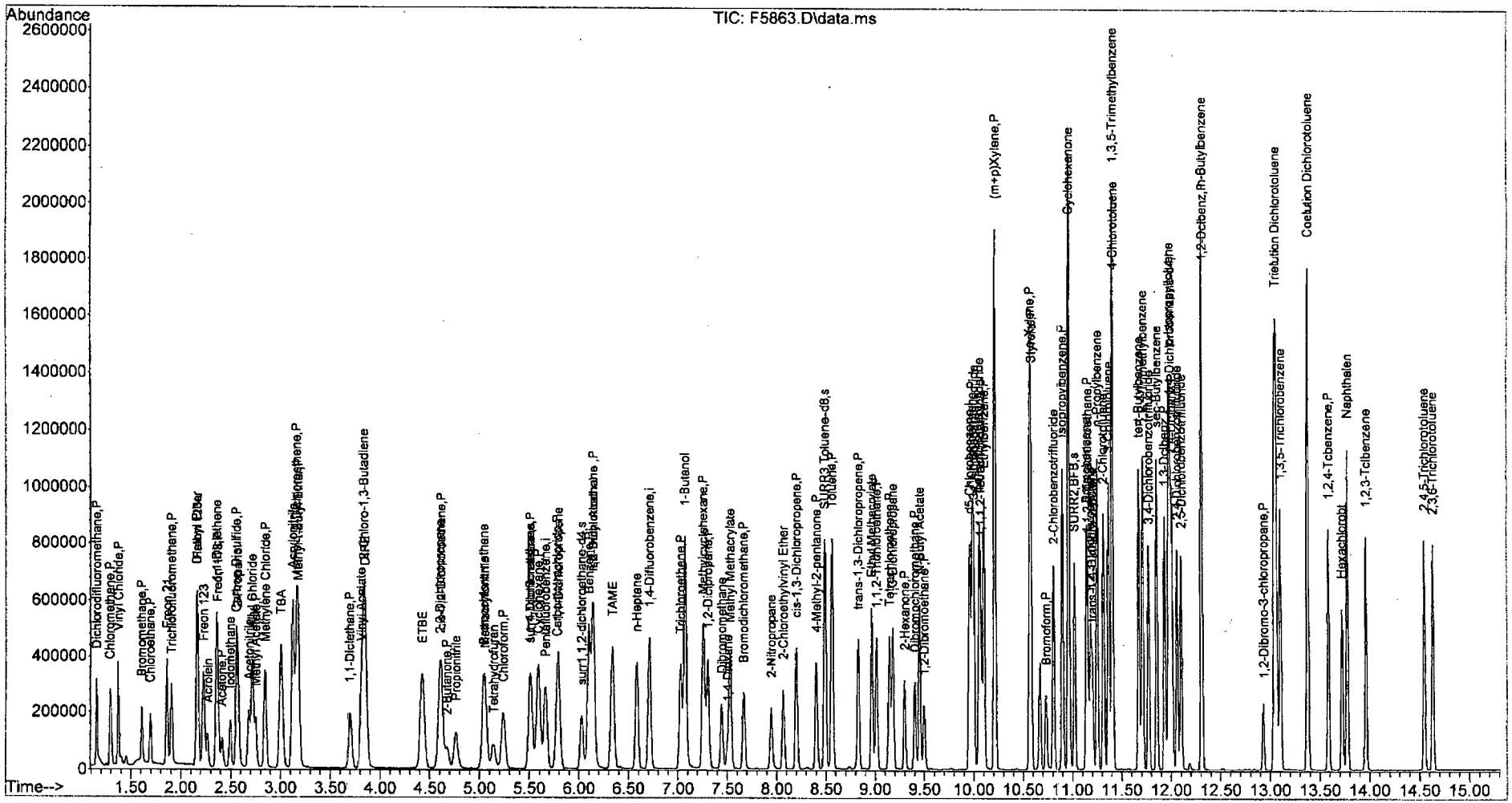
response 101527

Ion	Exp%	Act%
40.10	100	100
41.10	176.40	180.45
39.10	34.00	36.15
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5863.D
Acq On : 3 Feb 2016 6:55 pm
Operator : F. Naegler
Sample : 50 PPB ICV Inst : MSVOA10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 05 08:45:07 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 08:42:39 2016
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6050.D
Acq On : 17 Feb 2016 10:38 am
Operator : F. Naegler
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 17 10:52:34 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

FV 2/17/16

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
1	i	Pentafluorobenzene	1.0000	1.0000	0.0	101	0.00	
2	P	Dichlorodifluoromethane	0.5954	0.6337	-6.4	106	0.00	
3	P	Chloromethane	0.8960	0.9407	-5.0	109	0.00	
4	P	Vinyl Chloride	0.7105	0.7780	-9.5	113	0.00	
5	P	Bromomethane	0.3607	0.2868	1.6 ~~20.5#~~	99	0.00	
6	P	Chloroethane	0.3824	0.4027	-5.3	114	0.02	
7		Freon 21	0.8499	0.7869	7.4	101	0.00	
8	P	Trichlorofluoromethane	0.5686	0.6126	-7.7	114	0.01	
9		Diethyl Ether	0.5203	0.5256	-1.0	101	0.00	
10		Freon 123a	0.5524	0.4871	-0.4 ~~11.8~~	101	0.00	
11		Freon 123	0.5624	0.5204	7.5	101	0.00	
12		Acrolein	0.1444	0.0888	38.5#	65	0.00	(1)
13		1,1-Diclethene	0.3961	0.3916	1.1	111	0.00	
14	P	Freon 113	0.3688	0.3568	3.3	109	0.00	
15	P	Acetone	0.3484	0.2911	16.4	92	0.00	
16		2-Propanol	0.0761	0.0599	21.3#	78	-0.05	NT
17		Iodomethane	0.5336	0.6423	-13.9 ~~-20.4#~~	116	0.00	
18	P	Carbon Disulfide	1.1732	1.2666	-8.0	123	0.00	
19		Acetonitrile	0.0782	0.0647	17.3	91	-0.01	
20		Allyl Chloride	0.2123	0.2057	3.1	105	0.00	
21	P	Methyl Acetate	0.7613	0.6810	10.5	89	0.00	
22	P	Methylene Chloride	0.4948	0.4582	7.4	102	0.00	
23		TBA	0.1057	0.0808	23.6#	78	-0.07	NT
24		Acrylonitrile	0.3381	0.3031	10.4	90	0.00	
25	P	Methyl-t-Butyl Ether	1.5851	1.4167	10.6	92	0.00	
26	P	trans-1,2-Dichloroethene	0.4248	0.4264	-0.4	109	0.00	
27	P	1,1-Diclethane	0.8413	0.8842	-5.1	110	0.00	
28		Vinyl Acetate	0.1061	0.1025	3.4	99	0.00	
29		DIPE	2.1415	2.1772	-1.7	107	0.00	
30		2-Chloro-1,3-Butadiene	0.9955	1.0649	-7.0	126	0.00	
31		ETBE	1.8374	1.8545	-0.9	107	0.00	
32		2,2-Dichloropropane	0.6369	0.6179	3.0	106	0.00	
33	P	cis-1,2-Dichloroethene	0.4948	0.4757	3.9	105	0.00	
34	P	2-Butanone	0.5174	0.4291	17.1	95	0.00	
35		Propionitrile	0.1429	0.1185	17.1	86	-0.01	
36		Bromochloromethane	0.3202	0.3191	0.3	103	0.00	
37		Methacrylonitrile	0.2874	0.2336	18.7	84	0.00	
38		Tetrahydrofuran	0.2967	0.2343	21.0#	80	0.00	NT
39	P	Chloroform	0.7794	0.7399	5.1	102	0.00	
40	P	1,1,1-Trichloroethane	0.6212	0.5963	4.0	106	0.00	
41	i	1,4-Difluorobenzene	1.0000	1.0000	0.0	105	0.00	
42	P	Cyclohexane	0.3943	0.3862	2.1	108	0.00	
43	s	surr4,Dibrflmethane	0.3075	0.7739	~~-151.7#~~	~~266#~~	0.00	
44	P	Carbontetrachloride	0.1140	0.1085	4.8	107	0.00	
45		1,1-Dichloropropene	0.3838	0.3728	2.9	105	0.00	
46	s	surr1,1,2-dichloroethane-d4	0.3708	0.9910	~~-167.3#~~	~~284#~~	0.00	

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6050.D
Acq On : 17 Feb 2016 10:38 am
Operator : F. Naegler
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 17 10:52:34 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
47	P	Benzene	1.2430	1.1706	5.8	99	0.00	
48	P	1,2-Dichloroethane	0.4904	0.5082	-3.6	108	0.00	
49		Iso-Butyl Alcohol	0.0399	0.0288	27.8#	78	-0.04	NT
50		TAME	1.0693	0.9611	10.1	95	0.00	
51		n-Heptane	0.5341	0.5405	-1.2	113	0.00	
52		1-Butanol	0.0228	0.0184	19.3	84	-0.02	
53	P	Trichloroethene	0.3356	0.3237	3.5	109	0.00	
54	P	Methylcyclohexane	0.4942	0.5181	-4.8	114	0.00	
55	P	1,2-Diclpropane	0.3635	0.3610	0.7	106	0.00	
56		Dibromomethane	0.2064	0.1914	7.3	98	0.00	
57		1,4-Dioxane	0.0071	0.0056	21.1#	86	0.00	NT
58		Methyl Methacrylate	0.3161	0.2555	19.2	86	0.00	
59	P	Bromodichloromethane	0.4133	0.3822	7.5	98	0.00	
60		2-Nitropropane	0.1568	0.1204	23.2#	84	0.00	NT
61		2-Chloroethylvinyl Ether	0.2349	0.2493	-6.1	109	0.00	
62	P	cis-1,3-Dichloropropene	0.5490	0.4912	10.5	93	0.00	
63	P	4-Methyl-2-pentanone	0.6423	0.5515	14.1	94	0.00	
64	s	SURR3,Toluene-d8	1.2048	3.0395	~~-152.3#~~	~~264#~~	0.00	
65	P	Toluene	1.3178	1.2230	7.2	99	0.00	
66	P	trans-1,3-Dichloropropene	0.4980	0.4511	9.4	92	0.00	
67		Ethyl Methacrylate	0.5503	0.4644	15.6	87	0.00	
68	P	1,1,2-Trichloroethane	0.3145	0.2851	9.3	95	0.00	
69	s	SURR2,BFB	0.4708	1.2043	~~-155.8#~~	~~278#~~	0.00	
70	i	d5-Chlorobenzene	1.0000	1.0000	0.0	107	0.00	
71	P	Tetrachloroethene	0.2905	0.2713	6.6	104	0.00	
72	P	2-Hexanone	0.5550	0.4690	15.5	95	0.00	
73		1,3-Dichloropropane	0.6128	0.5425	11.5	94	0.00	
74	P	Dibromochloromethane	0.3896	0.3559	8.6	97	0.00	
75		N-Butyl Acetate	1.0526	0.8871	15.7	84	0.00	
76	P	1,2-Dibromoethane	0.3827	0.3406	11.0	94	0.00	
77		3-Chlorobenzotrifluoride	0.5968	0.4779	19.9	88	0.00	
78	P	Chlorobenzene	1.0250	0.9286	9.4	99	0.00	
79		4-Chlorobenzotrifluoride	0.5374	0.4299	20.0#	89	0.00	NT
80		1,1,1,2-Tetrachloroethane	0.3718	0.3368	9.4	99	0.00	
81	P	Ethylbenzene	0.5261	0.4748	9.8	97	0.00	
82	P	(m+p)Xylene	0.6647	0.5985	10.0	97	0.00	
83	P	o-Xylene	0.6887	0.6042	12.3	97	0.00	
84	P	Styrene	1.1692	1.0301	11.9	95	0.00	
85	P	Bromoform	0.2870	0.2430	15.3	87	0.00	
86		2-Chlorobenzotrifluoride	0.5926	0.4800	19.0	89	0.00	
87	P	Isopropylbenzene	1.7357	1.5060	13.2	97	0.00	
88		Cyclohexanone	0.1059	0.0940	11.2	99	0.00	
89		trans-1,4-Dichloro-2-Butene	0.2069	0.1818	12.1	93	0.00	
90	i	1,4-Dichlorobenzene-d4	1.0000	1.0000	0.0	112	0.00	
91	P	1,1,2,2-Tetrachloroethane	0.9743	0.7964	18.3	86	0.00	

Evaluate Continuing Calibration Report

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6050.D
Acq On : 17 Feb 2016 10:38 am
Operator : F. Naegler
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 17 10:52:34 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
92		Bromobenzene	0.8227	0.7331	10.9	100	0.00	
93		1,2,3-Trichloropropane	0.3173	0.2455	22.6#	85	0.00	(2)
94		n-Propylbenzene	3.6925	3.2392	12.3	101	0.00	
95		2-Chlorotoluene	2.1595	1.8512	14.3	98	0.00	
96		3-Chlorotoluene	2.3420	1.8635	20.4#	90	0.00	NT
97		4-Chlorotoluene	2.4870	2.2008	11.5	98	0.00	
98		1,3,5-Trimethylbenzene	2.6187	2.2211	15.2	98	0.00	
99		tert-Butylbenzene	2.2642	2.0170	10.9	102	0.00	
100		1,2,4-Trimethylbenzene	2.7083	2.3493	13.3	98	0.00	
101		3,4-Dichlorobenzotrifluorid	0.8774	0.7009	20.1#	92	0.00	NT
102		sec-Butylbenzene	3.3328	2.8655	14.0	100	0.00	
103		p-Isopropyltoluene	2.6924	2.4212	10.1	104	0.00	
104	P	1,3-Dclbenz	1.5645	1.4096	9.9	103	0.00	
105	P	1,4-Dclbenz	1.6338	1.4039	14.1	100	0.00	
106		2,4-Dichlorobenzotrifluorid	0.7939	0.6440	18.9	94	0.00	
107		2,5-Dichlorobenzotrifluorid	0.8950	0.7253	19.0	94	0.00	
108		n-Butylbenzene	2.4814	2.1880	11.8	104	0.00	
109	P	1,2-Dclbenz	1.5649	1.3838	11.6	100	0.00	
110	P	1,2-Dibromo-3-chloropropane	0.2601	0.1947	25.1#	81	0.00	(3)
111		Trielution Dichlorotoluene	1.4181	1.2886	9.1	102	0.00	
112		1,3,5-Trichlorobenzene	1.2013	1.1103	7.6	107	0.00	
113		Coelution Dichlorotoluene	1.5848	1.4714	7.2	104	0.00	
114	P	1,2,4-Tcbenzene	1.1406	1.0304	9.7	104	0.00	
115		Hexachlorobt	0.4736	0.4162	12.1	99	0.00	
116		Naphthalen	3.4833	2.9568	15.1	91	0.00	
117		1,2,3-Tclbenzene	1.1783	1.0255	13.0	100	0.00	
118		2,4,5-Trichlorotoluene	0.8865	0.8082	8.8	102	0.00	
119		2,3,6-Trichlorotoluene	0.8045	0.7126	11.4	100	0.00	

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : I:\ACQUDATA\MSVOA10\DATA\021716\
Data File : F6050.D
Acq On : 17 Feb 2016 10:38 am
Operator : F. Naegler
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 17 10:52:34 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

FU 2/17/16

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.665	168	279721	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.714	114	406846	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.957	117	358431	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	200413	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.513	113	125939	50.33	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 100.66%				
46) surr1,1,2-dichloroetha...	6.025	65	161281	53.45	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.90%				
64) SURR3,Toluene-d8	8.488	98	494648	50.46	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 100.92%				
69) SURR2,BFB	11.018	95	195988	51.16	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 102.32%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	177263	53.22	ug/L		95
3) Chloromethane	1.288	50	263122	52.49	ug/L		98
4) Vinyl Chloride	1.373	62	217629	54.75	ug/L		95
5) Bromomethane	1.611	94	80212	49.19	ug/L		93
6) Chloroethane	1.696	64	112656	52.66	ug/L		96
7) Freon 21	1.861	67	220116	46.30	ug/L		96
8) Trichlorofluoromethane	1.910	101	171351	53.86	ug/L		99
9) Diethyl Ether	2.160	59	147022	50.51	ug/L		92
10) Freon 123a	2.166	67	136244	50.19	ug/L		98
11) Freon 123	2.227	83	145559	46.27	ug/L		99
12) Acrolein	2.263	56	124246	153.85	ug/L		96
13) 1,1-Diclethene	2.361	96	109528	49.42	ug/L	#	89
14) Freon 113	2.367	101	99817	48.38	ug/L		99
15) Acetone	2.410	43	81437	41.79	ug/L		95
16) 2-Propanol	2.562	45	334865	786.68	ug/L		97
17) Iodomethane	2.495	142	179678	56.95	ug/L		95
18) Carbon Disulfide	2.556	76	354293	53.98	ug/L		99
19) Acetonitrile	2.678	40	90462	206.76	ug/L		94
20) Allyl Chloride	2.715	76	57552	48.47	ug/L	#	90
21) Methyl Acetate	2.745	43	190485	44.72	ug/L		96
22) Methylene Chloride	2.843	84	128166	46.30	ug/L	#	87
23) TBA	2.995	59	451814	764.09	ug/L		88
24) Acrylonitrile	3.123	53	423900	224.08	ug/L		96
25) Methyl-t-Butyl Ether	3.172	73	396275	44.69	ug/L		100
26) trans-1,2-Dichloroethene	3.160	96	119273	50.18	ug/L		98
27) 1,1-Diclethane	3.702	63	247341	52.55	ug/L		97
28) Vinyl Acetate	3.812	86	28685	48.33	ug/L	#	89
29) DIPE	3.848	45	608999	50.83	ug/L		98
30) 2-Chloro-1,3-Butadiene	3.836	53	297888	53.49	ug/L		97
31) ETBE	4.422	59	518751	50.47	ug/L		99
32) 2,2-Dichloropropane	4.604	77	172832	48.51	ug/L		96
33) cis-1,2-Dichloroethene	4.617	96	133065	48.07	ug/L		95
34) 2-Butanone	4.671	43	120022	41.46	ug/L		99
35) Propionitrile	4.757	54	165785	207.35	ug/L		98

Data Path : I:\ACQUDATA\MSVOA10\DATA\021716\
Data File : F6050.D
Acq On : 17 Feb 2016 10:38 am
Operator : F. Naegler
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 17 10:52:34 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Bromochloromethane	5.043	130	89248	49.83	ug/L	#	90
37) Methacrylonitrile	5.056	67	65354	40.65	ug/L	#	76
38) Tetrahydrofuran	5.135	42	65545	39.49	ug/L		81
39) Chloroform	5.238	83	206953	47.46	ug/L		99
40) 1,1,1-Trichloroethane	5.513	97	166786	48.00	ug/L		98
42) Cyclohexane	5.586	41	157123	48.97	ug/L		100
44) Carbontetrachloride	5.781	121	44134	47.57	ug/L		95
45) 1,1-Dichloropropene	5.793	75	151652	48.56	ug/L		98
47) Benzene	6.098	78	476250	47.09	ug/L		98
48) 1,2-Dichloroethane	6.141	62	206750	51.81	ug/L		97
49) Iso-Butyl Alcohol	6.141	43	234050	721.53	ug/L		99
50) TAME	6.336	73	391008	44.94	ug/L		95
51) n-Heptane	6.586	43	219902	50.60	ug/L		92
52) 1-Butanol	7.073	56	373686	2011.07	ug/L		84
53) Trichloroethene	7.031	130	131683	48.22	ug/L		95
54) Methylcyclohexane	7.256	55	210771	52.42	ug/L		97
55) 1,2-Diclpropane	7.299	63	146869	49.65	ug/L		96
56) Dibromomethane	7.439	93	77881	46.38	ug/L		94
57) 1,4-Dioxane	7.506	88	45638	791.83	ug/L		90
58) Methyl Methacrylate	7.531	69	103943	40.42	ug/L	#	81
59) Bromodichloromethane	7.665	83	155509	46.24	ug/L		96
60) 2-Nitropropane	7.945	41	98002	76.79	ug/L		98
61) 2-Chloroethylvinyl Ether	8.067	63	101419	53.07	ug/L		98
62) cis-1,3-Dichloropropene	8.201	75	199823	44.73	ug/L		96
63) 4-Methyl-2-pentanone	8.402	43	224395	42.94	ug/L		90
65) Toluene	8.561	91	497592	46.40	ug/L		98
66) trans-1,3-Dichloropropene	8.829	75	183538	45.30	ug/L		97
67) Ethyl Methacrylate	8.963	69	188924	42.19	ug/L		89
68) 1,1,2-Trichloroethane	9.012	97	115983	45.32	ug/L		95
71) Tetrachloroethene	9.146	164	97245	46.69	ug/L		94
72) 2-Hexanone	9.299	43	168095	42.25	ug/L		90
73) 1,3-Dichloropropane	9.177	76	194444	44.26	ug/L		93
74) Dibromochloromethane	9.402	129	127580	45.68	ug/L		98
75) N-Butyl Acetate	9.451	43	317959	42.14	ug/L		93
76) 1,2-Dibromoethane	9.500	107	122086	44.51	ug/L		99
77) 3-Chlorobenzotrifluoride	10.000	180	171280	40.03	ug/L		98
78) Chlorobenzene	9.981	112	332828	45.30	ug/L		95
79) 4-Chlorobenzotrifluoride	10.055	180	154093	40.00	ug/L		96
80) 1,1,1,2-Tetrachloroethane	10.067	131	120706	45.29	ug/L		98
81) Ethylbenzene	10.103	106	170197	45.12	ug/L		99
82) (m+p)Xylene	10.213	106	429055	90.05	ug/L		98
83) o-Xylene	10.567	106	216567	43.86	ug/L		99
84) Styrene	10.579	104	369212	44.05	ug/L		99
85) Bromoform	10.731	173	87106	42.34	ug/L		96
86) 2-Chlorobenzotrifluoride	10.811	180	172044	40.50	ug/L		96
87) Isopropylbenzene	10.896	105	539790	43.38	ug/L		99
88) Cyclohexanone	10.963	55	674158	887.71	ug/L		89
89) trans-1,4-Dichloro-2-B...	11.201	53	65169	43.93	ug/L		89
91) 1,1,2,2-Tetrachloroethane	11.152	83	159613	40.87	ug/L		96
92) Bromobenzene	11.140	156	146917	44.55	ug/L		96
93) 1,2,3-Trichloropropane	11.182	110	49199	38.69	ug/L	#	90

Data Path : I:\ACQUDATA\MSVOA10\DATA\021716\
Data File : F6050.D
Acq On : 17 Feb 2016 10:38 am
Operator : F. Naegler
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 17 10:52:34 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

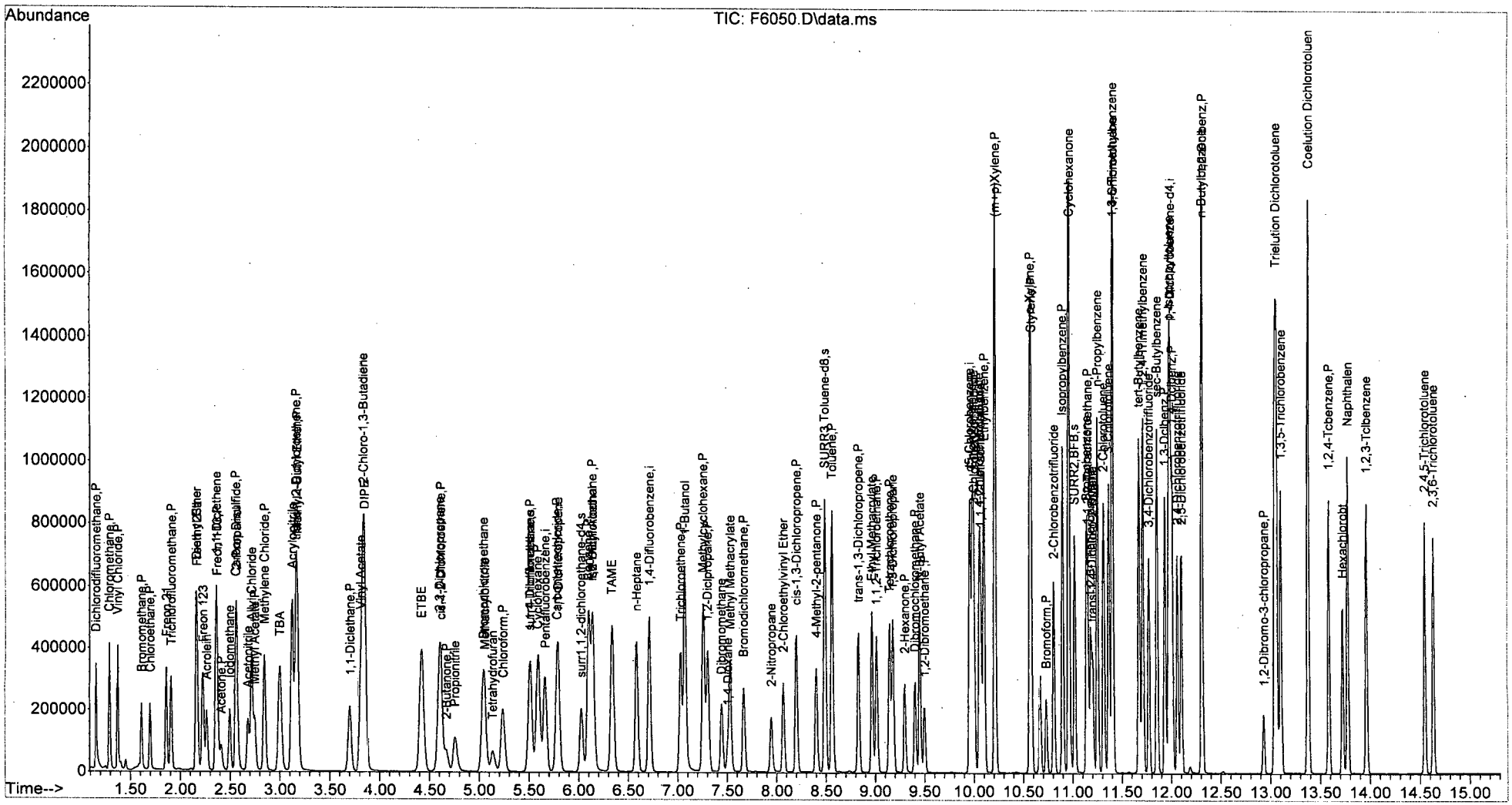
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	n-Propylbenzene	11.249	91	649171	43.86	ug/L	99
95)	2-Chlorotoluene	11.310	91	370997	42.86	ug/L	99
96)	3-Chlorotoluene	11.365	91	373470	39.78	ug/L	99
97)	4-Chlorotoluene	11.408	91	441072	44.25	ug/L	99
98)	1,3,5-Trimethylbenzene	11.402	105	445130	42.41	ug/L	98
99)	tert-Butylbenzene	11.670	119	404237	44.54	ug/L	98
100)	1,2,4-Trimethylbenzene	11.713	105	470831	43.37	ug/L	94
101)	3,4-Dichlorobenzotrifl...	11.774	214	140462	39.94	ug/L	98
102)	sec-Butylbenzene	11.853	105	574276	42.99	ug/L	98
103)	p-Isopropyltoluene	11.975	119	485249	44.96	ug/L	99
104)	1,3-Dclbenz	11.932	146	282501	45.05	ug/L	97
105)	1,4-Dclbenz	12.005	146	281362	42.96	ug/L	97
106)	2,4-Dichlorobenzotrifl...	12.060	214	129073	40.56	ug/L	97
107)	2,5-Dichlorobenzotrifl...	12.103	214	145365	40.52	ug/L	96
108)	n-Butylbenzene	12.304	91	438510	44.09	ug/L	99
109)	1,2-Dclbenz	12.310	146	277338	44.22	ug/L	99
110)	1,2-Dibromo-3-chloropr...	12.932	157	39026	37.43	ug/L	99
111)	Trielution Dichlorotol...	13.048	125	774758	136.30	ug/L	96
112)	1,3,5-Trichlorobenzene	13.103	180	222511	46.21	ug/L	97
113)	Coelution Dichlorotoluene	13.377	125	589762	92.84	ug/L	98
114)	1,2,4-Tcbenzene	13.584	180	206503	45.17	ug/L	99
115)	Hexachlorobt	13.725	225	83402	43.93	ug/L	97
116)	Naphthalen	13.773	128	592591	42.44	ug/L	98
117)	1,2,3-Tclbenzene	13.962	180	205515	43.51	ug/L	100
118)	2,4,5-Trichlorotoluene	14.548	159	161968	45.58	ug/L	98
119)	2,3,6-Trichlorotoluene	14.633	159	142811	44.29	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : I:\ACQUDATA\MSVOA10\DATA\021716\
Data File : F6050.D
Acq On : 17 Feb 2016 10:38 am
Operator : F. Naegler
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 17 10:52:34 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6083.D
Acq On : 18 Feb 2016 10:59 am
Operator : F. Naegler
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 18 12:20:08 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

FV 2/18/16

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
1	i	Pentafluorobenzene	1.0000	1.0000	0.0	105	0.00	
2	P	Dichlorodifluoromethane	0.5954	0.5948	0.1	104	0.00	
3	P	Chloromethane	0.8960	0.9112	-1.7	110	0.00	
4	P	Vinyl Chloride	0.7105	0.7493	-5.5	114	0.00	
5	P	Bromomethane	0.3607	0.2421	19.0 ~~32.9#~~	87	0.02	
6	P	Chloroethane	0.3824	0.3888	-1.7	115	0.02	
7		Freon 21	0.8499	0.8113	4.5	109	0.00	
8	P	Trichlorofluoromethane	0.5686	0.5843	-2.8	114	0.01	
9		Diethyl Ether	0.5203	0.5064	2.7	102	0.00	
10		Freon 123a	0.5524	0.4983	-2.6 ~~9.8~~	108	0.00	
11		Freon 123	0.5624	0.5301	5.7	107	0.00	
12		Acrolein	0.1444	0.1470	-1.8	113	0.00	
13		1,1-Diclethene	0.3961	0.3623	8.5	108	0.00	
14	P	Freon 113	0.3688	0.3417	7.3	110	0.00	
15	P	Acetone	0.3484	0.3008	13.7	100	0.00	
16		2-Propanol	0.0761	0.0671	11.8	92	-0.02	
17		Iodomethane	0.5336	0.6390	-13.3 ~~19.8~~	121	0.00	
18	P	Carbon Disulfide	1.1732	1.2085	-3.0	123	0.00	
19		Acetonitrile	0.0782	0.0599	23.4#	88	0.00	NT
20		Allyl Chloride	0.2123	0.1939	8.7	103	0.00	
21	P	Methyl Acetate	0.7613	0.6406	15.9	88	0.00	
22	P	Methylene Chloride	0.4948	0.4377	11.5	102	0.00	
23		TBA	0.1057	0.0881	16.7	89	-0.05	
24		Acrylonitrile	0.3381	0.3115	7.9	97	0.00	
25	P	Methyl-t-Butyl Ether	1.5851	1.3998	11.7	95	0.00	
26	P	trans-1,2-Dichloroethene	0.4248	0.3953	6.9	106	0.00	
27	P	1,1-Diclethane	0.8413	0.8541	-1.5	111	0.00	
28		Vinyl Acetate	0.1061	0.1005	5.3	101	0.00	
29		DIPE	2.1415	2.2079	-3.1	114	0.00	
30		2-Chloro-1,3-Butadiene	0.9955	1.0389	-4.4	129	0.00	
31		ETBE	1.8374	1.8448	-0.4	112	0.00	
32		2,2-Dichloropropane	0.6369	0.5776	9.3	103	0.00	
33	P	cis-1,2-Dichloroethene	0.4948	0.4494	9.2	104	0.00	
34	P	2-Butanone	0.5174	0.4239	18.1	98	0.00	
35		Propionitrile	0.1429	0.1241	13.2	95	0.00	
36		Bromochloromethane	0.3202	0.3064	4.3	103	0.00	
37		Methacrylonitrile	0.2874	0.2426	15.6	91	0.00	
38		Tetrahydrofuran	0.2967	0.2540	14.4	91	0.00	
39	P	Chloroform	0.7794	0.7141	8.4	103	0.00	
40	P	1,1,1-Trichloroethane	0.6212	0.5771	7.1	107	0.00	
41	i	1,4-Difluorobenzene	1.0000	1.0000	0.0	108	0.00	
42	P	Cyclohexane	0.3943	0.3920	0.6	113	0.00	
43	s	surr4,Dibrflmethane	0.3075	0.7561	~~145.9#~~	~~267#~~	0.00	
44	P	Carbontetrachloride	0.1140	0.1055	7.5	107	0.00	
45		1,1-Dichloropropene	0.3838	0.3632	5.4	105	0.00	
46	s	surr1,1,2-dichloroethane-d4	0.3708	0.9970	~~168.9#~~	~~294#~~	0.00	

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6083.D
Acq On : 18 Feb 2016 10:59 am
Operator : F. Naegler
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 18 12:20:08 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
47	P	Benzene	1.2430	1.1602	6.7	101	0.00	
48	P	1,2-Dichloroethane	0.4904	0.5000	-2.0	109	0.00	(1)
49		Iso-Butyl Alcohol	0.0399	0.0318	20.3#	89	-0.02	
50		TAME	1.0693	0.9574	10.5	97	0.00	
51		n-Heptane	0.5341	0.5522	-3.4	118	0.00	
52		1-Butanol	0.0228	0.0197	13.6	92	-0.01	
53	P	Trichloroethene	0.3356	0.3278	2.3	114	0.00	
54	P	Methylcyclohexane	0.4942	0.5302	-7.3	120	0.00	
55	P	1,2-Diclpropane	0.3635	0.3694	-1.6	111	0.00	
56		Dibromomethane	0.2064	0.1935	6.2	101	0.00	
57		1,4-Dioxane	0.0071	0.0061	14.1	96	0.00	
58		Methyl Methacrylate	0.3161	0.2555	19.2	88	0.00	
59	P	Bromodichloromethane	0.4133	0.3763	9.0	99	0.00	
60		2-Nitropropane	0.1568	0.1200	23.5#	86	0.00	NT
61		2-Chloroethylvinyl Ether	0.2349	0.2311	1.6	104	0.00	
62	P	cis-1,3-Dichloropropene	0.5490	0.4906	10.6	96	0.00	
63	P	4-Methyl-2-pentanone	0.6423	0.5562	13.4	97	0.00	
64	s	SURR3,Toluene-d8	1.2048	2.9989	~~148.9#~~	~~268#~~	0.00	
65	P	Toluene	1.3178	1.2349	6.3	103	0.00	
66	P	trans-1,3-Dichloropropene	0.4980	0.4360	12.4	91	0.00	
67		Ethyl Methacrylate	0.5503	0.4691	14.8	91	0.00	
68	P	1,1,2-Trichloroethane	0.3145	0.2882	8.4	98	0.00	
69	s	SURR2,BFB	0.4708	1.1879	~~152.3#~~	~~282#~~	0.00	
70	i	d5-Chlorobenzene	1.0000	1.0000	0.0	112	0.00	
71	P	Tetrachloroethene	0.2905	0.2671	8.1	107	0.00	
72	P	2-Hexanone	0.5550	0.4665	15.9	99	0.00	
73		1,3-Dichloropropane	0.6128	0.5315	13.3	96	0.00	
74	P	Dibromochloromethane	0.3896	0.3450	11.4	98	0.00	
75		N-Butyl Acetate	1.0526	0.9238	12.2	91	0.00	
76	P	1,2-Dibromoethane	0.3827	0.3407	11.0	98	0.00	
77		3-Chlorobenzotrifluoride	0.5968	0.5596	6.2	108	0.00	
78	P	Chlorobenzene	1.0250	0.9355	8.7	104	0.00	
79		4-Chlorobenzotrifluoride	0.5374	0.4983	7.3	107	0.00	
80		1,1,1,2-Tetrachloroethane	0.3718	0.3372	9.3	104	0.00	
81	P	Ethylbenzene	0.5261	0.4783	9.1	102	0.00	
82	P	(m+p)Xylene	0.6647	0.5920	10.9	100	0.00	
83	P	o-Xylene	0.6887	0.6024	12.5	100	0.00	
84	P	Styrene	1.1692	1.0336	11.6	99	0.00	
85	P	Bromoform	0.2870	0.2435	15.2	91	0.00	
86		2-Chlorobenzotrifluoride	0.5926	0.5384	9.1	104	0.00	
87	P	Isopropylbenzene	1.7357	1.4732	15.1	99	0.00	
88		Cyclohexanone	0.1059	0.1037	2.1	114	0.00	
89		trans-1,4-Dichloro-2-Butene	0.2069	0.1829	11.6	98	0.00	
90	i	1,4-Dichlorobenzene-d4	1.0000	1.0000	0.0	116	0.00	
91	P	1,1,2,2-Tetrachloroethane	0.9743	0.7923	18.7	89	0.00	

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6083.D
Acq On : 18 Feb 2016 10:59 am
Operator : F. Naegler
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 18 12:20:08 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
92		Bromobenzene	0.8227	0.7441	9.6	105	0.00	
93		1,2,3-Trichloropropane	0.3173	0.2481	21.8#	89	0.00	NT
94		n-Propylbenzene	3.6925	3.1831	13.8	103	0.00	
95		2-Chlorotoluene	2.1595	1.8543	14.1	101	0.00	
96		3-Chlorotoluene	2.3420	1.9838	15.3	99	0.00	
97		4-Chlorotoluene	2.4870	2.2009	11.5	102	0.00	
98		1,3,5-Trimethylbenzene	2.6187	2.2162	15.4	101	0.00	
99		tert-Butylbenzene	2.2642	1.9771	12.7	103	0.00	
100		1,2,4-Trimethylbenzene	2.7083	2.3176	14.4	100	0.00	
101		3,4-Dichlorobenzotrifluorid	0.8774	0.7601	13.4	103	0.00	
102		sec-Butylbenzene	3.3328	2.7935	16.2	100	0.00	
103		p-Isopropyltoluene	2.6924	2.3862	11.4	106	0.00	
104	P	1,3-Dclbenz	1.5645	1.3968	10.7	106	0.00	
105	P	1,4-Dclbenz	1.6338	1.4094	13.7	104	0.00	
106		2,4-Dichlorobenzotrifluorid	0.7939	0.6904	13.0	105	0.00	
107		2,5-Dichlorobenzotrifluorid	0.8950	0.7784	13.0	104	0.00	
108		n-Butylbenzene	2.4814	2.1746	12.4	107	0.00	
109	P	1,2-Dclbenz	1.5649	1.3761	12.1	103	0.00	
110	P	1,2-Dibromo-3-chloropropane	0.2601	0.1895	27.1#	82	0.00	(2)
111		Trielution Dichlorotoluene	1.4181	1.3486	4.9	110	0.00	
112		1,3,5-Trichlorobenzene	1.2013	1.1405	5.1	113	0.00	
113		Coelution Dichlorotoluene	1.5848	1.4957	5.6	109	0.00	
114	P	1,2,4-Tcbenzene	1.1406	1.0369	9.1	108	0.00	
115		Hexachlorobt	0.4736	0.4199	11.3	103	0.00	
116		Naphthalen	3.4833	3.0250	13.2	96	0.00	
117		1,2,3-Tclbenzene	1.1783	1.0363	12.1	105	0.00	
118		2,4,5-Trichlorotoluene	0.8865	0.8676	2.1	113	0.00	
119		2,3,6-Trichlorotoluene	0.8045	0.7748	3.7	113	0.00	

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6083.D
Acq On : 18 Feb 2016 10:59 am
Operator : F. Naegler
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 18 12:20:08 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

FW 2/18/16

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.659	168	293056	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	417759	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	373664	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	207500	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.507	113	126345	49.18	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 98.36%			
46) surr1,1,2-dichloroetha...	6.025	65	166603	53.77	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.54%			
64) SURR3,Toluene-d8	8.488	98	501135	49.78	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.56%			
69) SURR2,BFB	11.018	95	198507	50.47	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 100.94%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.154	85	174305	49.95	ug/L	96
3) Chloromethane	1.288	50	267032	50.85	ug/L	97
4) Vinyl Chloride	1.373	62	219594	52.73	ug/L	96
5) Bromomethane	1.623	94	70956	40.50	ug/L	100
6) Chloroethane	1.696	64	113946	50.84	ug/L	98
7) Freon 21	1.861	67	237751	47.73	ug/L	100
8) Trichlorofluoromethane	1.910	101	171229	51.38	ug/L	97
9) Diethyl Ether	2.160	59	148418	48.67	ug/L	93
10) Freon 123a	2.166	67	146037	51.32	ug/L	99
11) Freon 123	2.227	83	155353	47.13	ug/L	97
12) Acrolein	2.270	56	215364	254.55	ug/L	98
13) 1,1-Diclethene	2.361	96	106168	45.73	ug/L	96
14) Freon 113	2.367	101	100126	46.32	ug/L	97
15) Acetone	2.416	43	88151	43.17	ug/L	93
16) 2-Propanol	2.593	45	393253	881.81	ug/L	96
17) Iodomethane	2.495	142	187250	56.67	ug/L	94
18) Carbon Disulfide	2.556	76	354169	51.51	ug/L	99
19) Acetonitrile	2.696	40	87764m	191.47	ug/L	
20) Allyl Chloride	2.715	76	56812	45.67	ug/L #	84
21) Methyl Acetate	2.751	43	187721	42.07	ug/L	94
22) Methylene Chloride	2.843	84	128260	44.23	ug/L	89
23) TBA	3.013	59	516353	833.50	ug/L	92
24) Acrylonitrile	3.123	53	456404	230.29	ug/L	98
25) Methyl-t-Butyl Ether	3.172	73	410219	44.15	ug/L	100
26) trans-1,2-Dichloroethene	3.160	96	115840	46.52	ug/L	95
27) 1,1-Diclethane	3.696	63	250306	50.76	ug/L	98
28) Vinyl Acetate	3.812	86	29453	47.37	ug/L #	96
29) DIPE	3.849	45	647046	51.55	ug/L	97
30) 2-Chloro-1,3-Butadiene	3.836	53	304469	52.18	ug/L	95
31) ETBE	4.422	59	540642	50.20	ug/L	98
32) 2,2-Dichloropropane	4.598	77	169266	45.34	ug/L	96
33) cis-1,2-Dichloroethene	4.611	96	131689	45.40	ug/L	98
34) 2-Butanone	4.672	43	124236	40.97	ug/L	98
35) Propionitrile	4.769	54	181907	217.16	ug/L	100

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6083.D
Acq On : 18 Feb 2016 10:59 am
Operator : F. Naegler
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 18 12:20:08 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Bromochloromethane	5.043	130	89792	47.85	ug/L	#	85
37) Methacrylonitrile	5.056	67	71100	42.21	ug/L	#	81
38) Tetrahydrofuran	5.141	42	74432	42.81	ug/L		81
39) Chloroform	5.232	83	209274	45.81	ug/L		98
40) 1,1,1-Trichloroethane	5.513	97	169110	46.45	ug/L		99
42) Cyclohexane	5.592	41	163781	49.71	ug/L		99
44) Carbontetrachloride	5.781	121	44088	46.28	ug/L		94
45) 1,1-Dichloropropene	5.793	75	151714	47.31	ug/L		96
47) Benzene	6.098	78	484665	46.67	ug/L		98
48) 1,2-Dichloroethane	6.141	62	208864	50.98	ug/L		98
49) Iso-Butyl Alcohol	6.153	43	265930	798.40	ug/L		96
50) TAME	6.336	73	399969	44.77	ug/L		96
51) n-Heptane	6.586	43	230692	51.70	ug/L		93
52) 1-Butanol	7.086	56	411772	2158.15	ug/L		84
53) Trichloroethene	7.031	130	136957	48.84	ug/L		98
54) Methylcyclohexane	7.256	55	221489	53.64	ug/L		98
55) 1,2-Diclpropane	7.305	63	154335	50.81	ug/L		95
56) Dibromomethane	7.439	93	80852	46.89	ug/L		87
57) 1,4-Dioxane	7.519	88	51313	867.04	ug/L		98
58) Methyl Methacrylate	7.531	69	106725	40.41	ug/L	#	88
59) Bromodichloromethane	7.665	83	157215	45.53	ug/L		98
60) 2-Nitropropane	7.945	41	100230	76.49	ug/L		100
61) 2-Chloroethylvinyl Ether	8.067	63	96538	49.20	ug/L		97
62) cis-1,3-Dichloropropene	8.195	75	204939	44.68	ug/L		99
63) 4-Methyl-2-pentanone	8.403	43	232360	43.30	ug/L		91
65) Toluene	8.561	91	515875	46.85	ug/L		99
66) trans-1,3-Dichloropropene	8.829	75	182136	43.78	ug/L		96
67) Ethyl Methacrylate	8.963	69	195988	42.63	ug/L		92
68) 1,1,2-Trichloroethane	9.012	97	120385	45.81	ug/L		95
71) Tetrachloroethene	9.146	164	99805	45.97	ug/L		97
72) 2-Hexanone	9.299	43	174318	42.03	ug/L		93
73) 1,3-Dichloropropane	9.177	76	198602	43.37	ug/L		93
74) Dibromochloromethane	9.402	129	128931	44.28	ug/L		97
75) N-Butyl Acetate	9.451	43	345204	43.89	ug/L		92
76) 1,2-Dibromoethane	9.494	107	127290	44.51	ug/L		99
77) 3-Chlorobenzotrifluoride	10.000	180	209111	46.88	ug/L		99
78) Chlorobenzene	9.981	112	349566	45.64	ug/L		94
79) 4-Chlorobenzotrifluoride	10.055	180	186207	46.37	ug/L		97
80) 1,1,1,2-Tetrachloroethane	10.067	131	126002	45.35	ug/L		99
81) Ethylbenzene	10.103	106	178712	45.45	ug/L		98
82) (m+p)Xylene	10.213	106	442394	89.06	ug/L		95
83) o-Xylene	10.567	106	225091	43.73	ug/L		98
84) Styrene	10.579	104	386225	44.20	ug/L		98
85) Bromoform	10.731	173	91005	42.43	ug/L		99
86) 2-Chlorobenzotrifluoride	10.811	180	201181	45.43	ug/L		94
87) Isopropylbenzene	10.896	105	550482	42.44	ug/L		99
88) Cyclohexanone	10.963	55	774863	978.72	ug/L		91
89) trans-1,4-Dichloro-2-B...	11.201	53	68347	44.19	ug/L		89
91) 1,1,2,2-Tetrachloroethane	11.152	83	164393	40.66	ug/L		93
92) Bromobenzene	11.140	156	154398	45.22	ug/L		98
93) 1,2,3-Trichloropropane	11.182	110	51490	39.10	ug/L		94

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6083.D
Acq On : 18 Feb 2016 10:59 am
Operator : F. Naegler
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

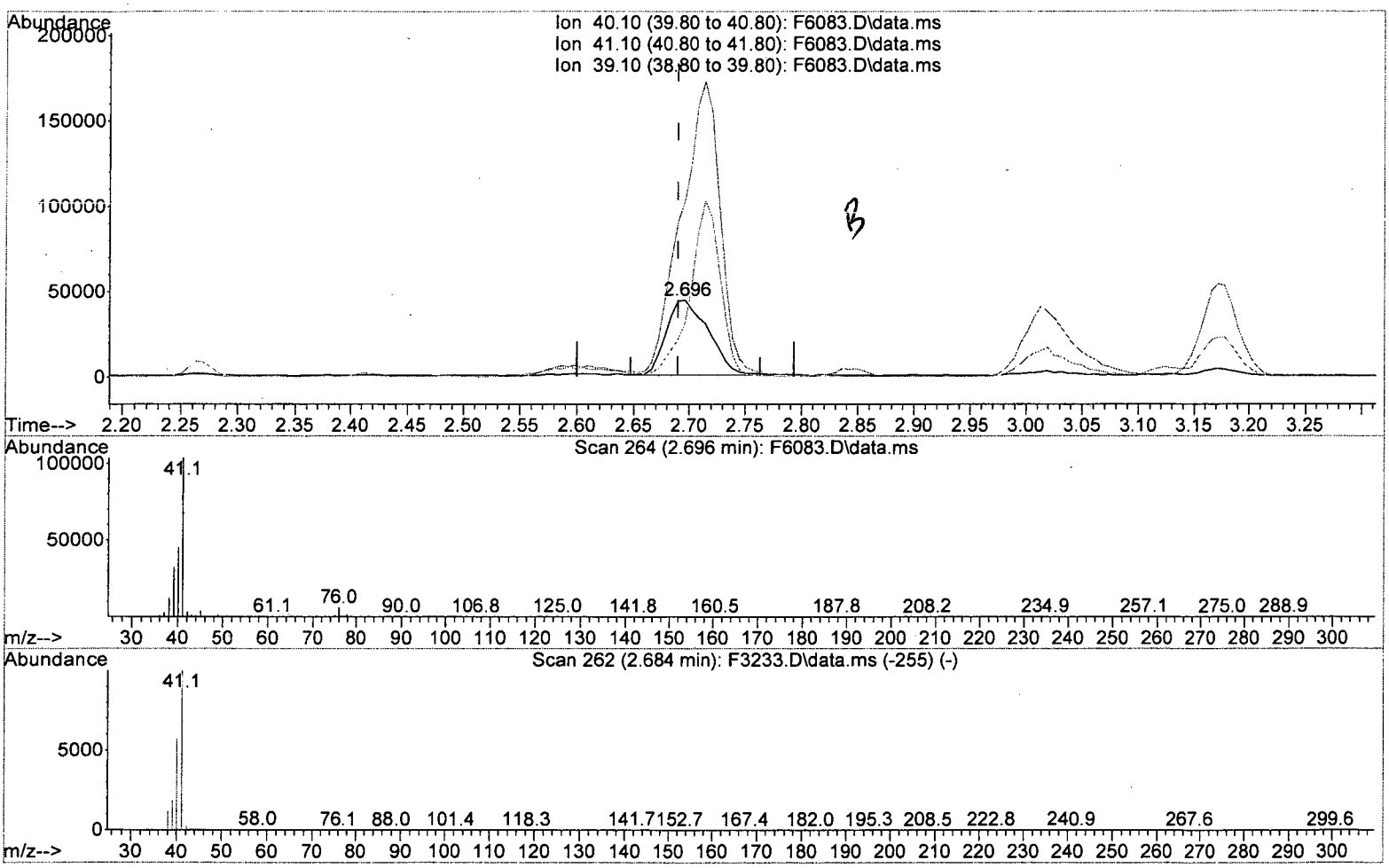
Quant Time: Feb 18 12:20:08 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	n-Propylbenzene	11.250	91	660497	43.10	ug/L	99
95)	2-Chlorotoluene	11.310	91	384759	42.93	ug/L	99
96)	3-Chlorotoluene	11.365	91	411634	42.35	ug/L	99
97)	4-Chlorotoluene	11.408	91	456685	44.25	ug/L	98
98)	1,3,5-Trimethylbenzene	11.402	105	459870	42.32	ug/L	99
99)	tert-Butylbenzene	11.670	119	410255	43.66	ug/L	98
100)	1,2,4-Trimethylbenzene	11.713	105	480896	42.79	ug/L	97
101)	3,4-Dichlorobenzotrifl...	11.774	214	157724	43.31	ug/L	98
102)	sec-Butylbenzene	11.853	105	579641	41.91	ug/L	99
103)	p-Isopropyltoluene	11.975	119	495137	44.31	ug/L	98
104)	1,3-Dclbenz	11.932	146	289827	44.64	ug/L	97
105)	1,4-Dclbenz	12.005	146	292454	43.13	ug/L	98
106)	2,4-Dichlorobenzotrifl...	12.060	214	143256	43.48	ug/L	98
107)	2,5-Dichlorobenzotrifl...	12.103	214	161524	43.49	ug/L	97
108)	n-Butylbenzene	12.304	91	451228	43.82	ug/L	98
109)	1,2-Dclbenz	12.310	146	285540	43.97	ug/L	97
110)	1,2-Dibromo-3-chloropr...	12.932	157	39318	36.43	ug/L	96
111)	Trielution Dichlorotol...	13.048	125	839492	142.64	ug/L	97
112)	1,3,5-Trichlorobenzene	13.103	180	236661	47.47	ug/L	99
113)	Coelution Dichlorotoluene	13.377	125	620734	94.38	ug/L	97
114)	1,2,4-Tcbenzene	13.584	180	215152	45.45	ug/L	98
115)	Hexachlorobt	13.719	225	87130	44.33	ug/L	98
116)	Naphthalen	13.773	128	627679	43.42	ug/L	98
117)	1,2,3-Tclbenzene	13.962	180	215041	43.98	ug/L	99
118)	2,4,5-Trichlorotoluene	14.548	159	180029	48.94	ug/L	98
119)	2,3,6-Trichlorotoluene	14.633	159	160771	48.15	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6083.D
Acq On : 18 Feb 2016 10:59 am
Operator : F. Naegler
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 18 11:14:08 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6083.D\data.ms

(19) Acetonitrile

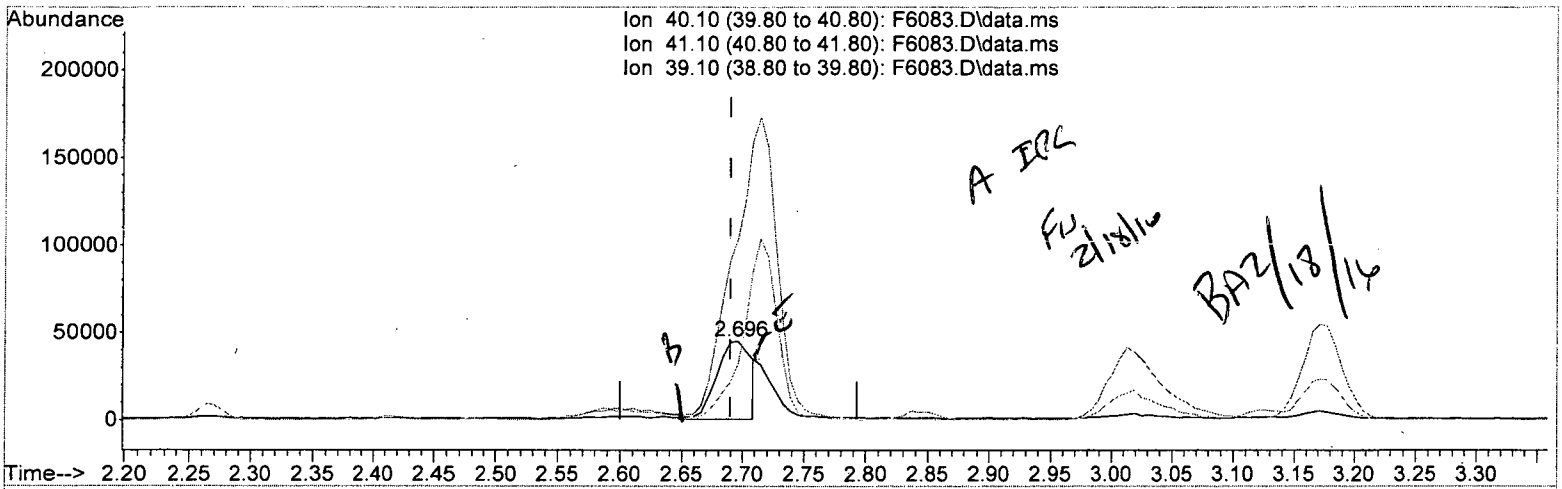
2.696min (+0.006) 253.36 ug/L

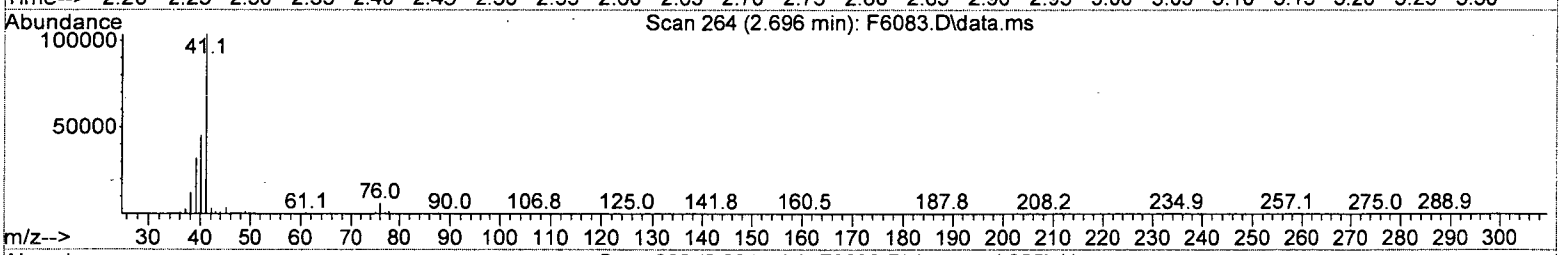
response 116132

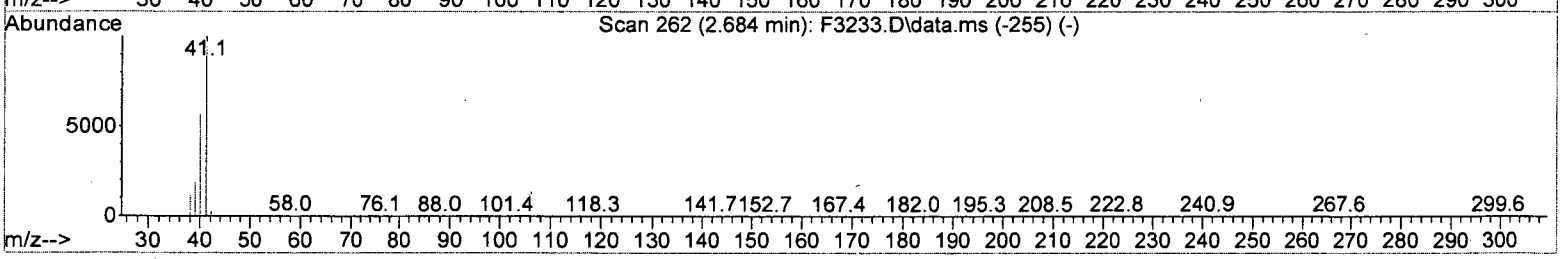
Ion	Exp%	Act%
40.10	100	100
41.10	176.40	229.78#
39.10	34.00	70.88#
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6083.D
Acq On : 18 Feb 2016 10:59 am
Operator : F. Naegler
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 18 11:14:08 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration







TIC: F6083.D\data.ms

(19) Acetonitrile

2.696min (+0.006) 191.47 ug/L m

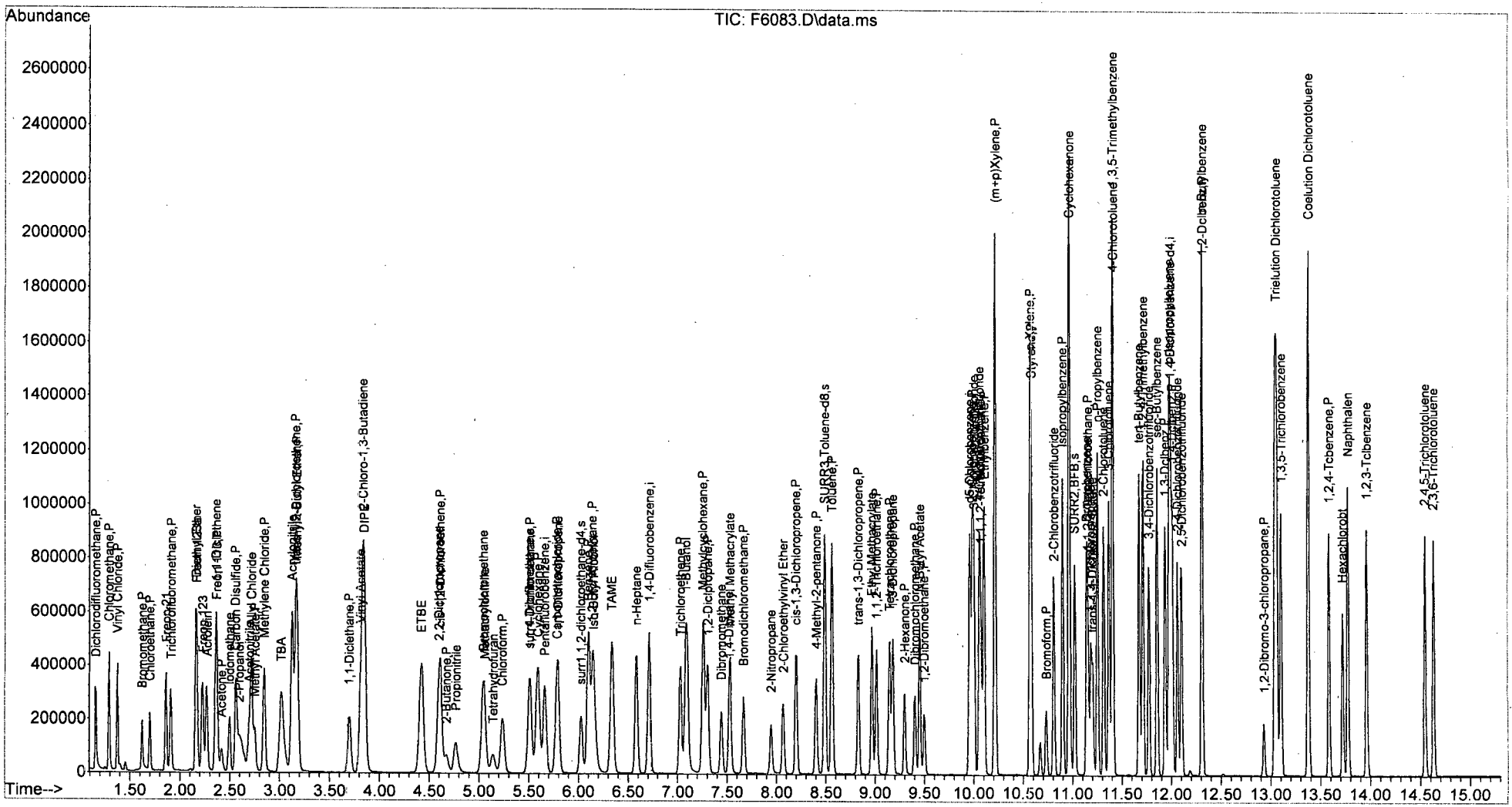
response 87764

Ion	Exp%	Act%
40.10	100	100
41.10	176.40	229.78#
39.10	34.00	70.88#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6083.D
Acq On : 18 Feb 2016 10:59 am
Operator : F. Naegler
Sample : CCV Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 18 12:20:08 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

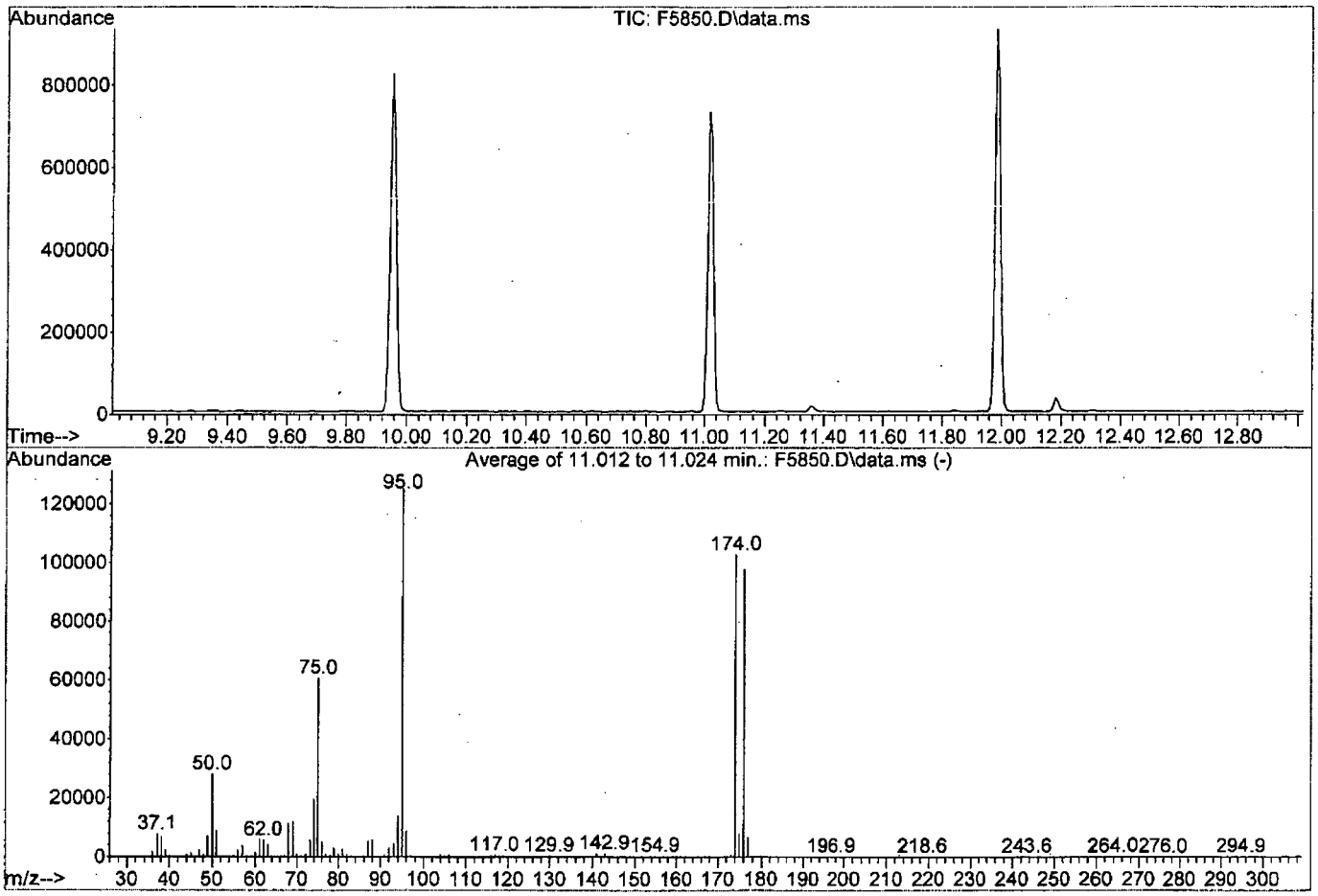


Data Path : I:\ACQUDATA\msvoa10\data\020316\
Data File : F5850.D
Acq On : 3 Feb 2016 12:39 pm
Operator : F. Naegler
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: CPD4.P

FV 2/5/16

Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Title : MS#10 - 8260B WATERS 10mL Purge
Last Update : Tue Jan 19 12:07:22 2016



AutoFind: Scans 1628, 1629, 1630; Background Corrected with Scan 1623

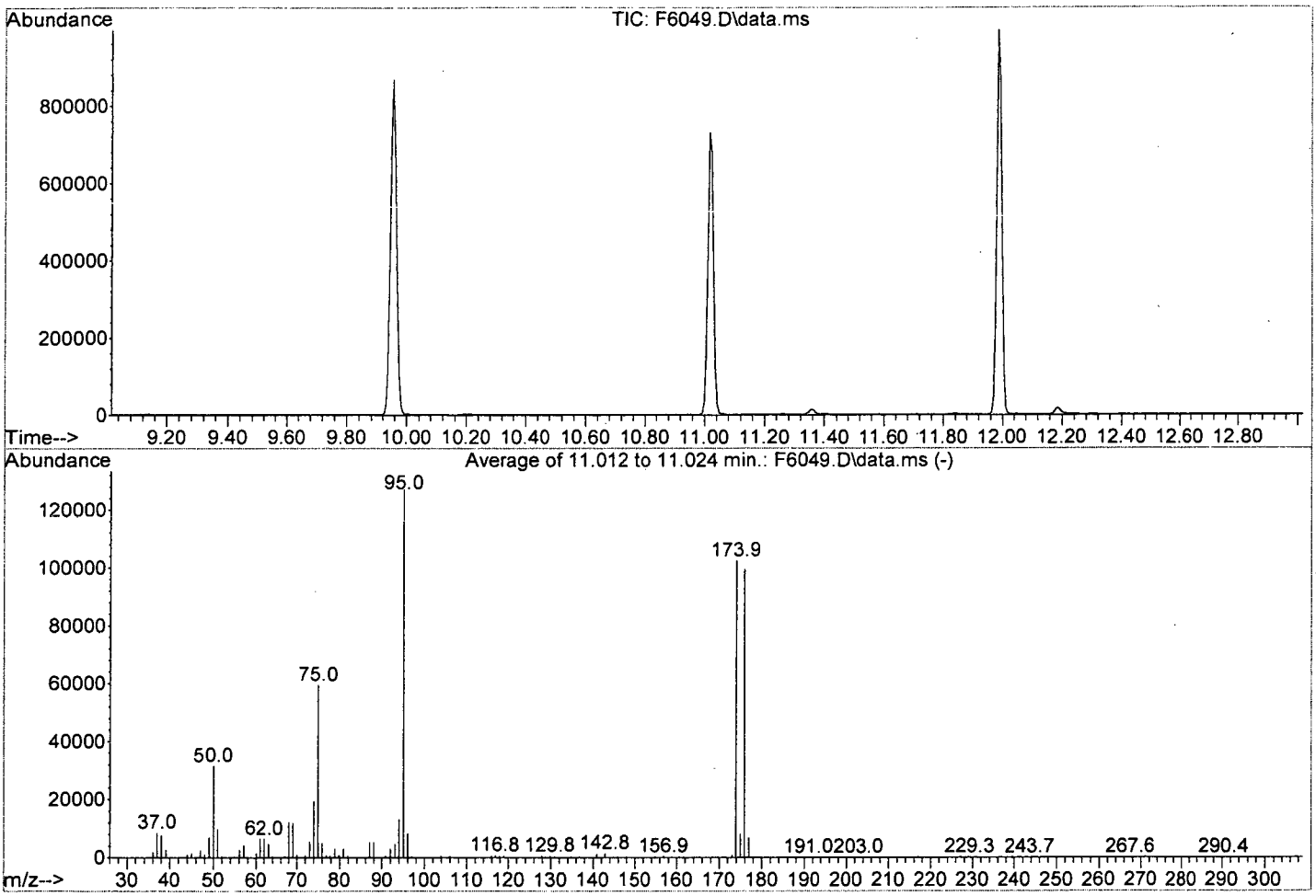
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	28019	PASS
75	95	30	60	48.5	60637	PASS
95	95	100	100	100.0	125093	PASS
96	95	5	9	6.9	8579	PASS
173	174	0.00	2	0.5	544	PASS
174	95	50	120	82.1	102696	PASS
175	174	5	9	7.5	7704	PASS
176	174	95	101	95.2	97757	PASS
177	176	5	9	6.5	6356	PASS

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6049.D
Acq On : 17 Feb 2016 9:53 am
Operator : F. Naegler
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 1 Sample Multiplier: 1

FU 2/17/16

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Title : MS#10 - 8260B WATERS 10mL Purge
Last Update : Fri Feb 05 11:39:51 2016



AutoFind: Scans 1628, 1629, 1630; Background Corrected with Scan 1623

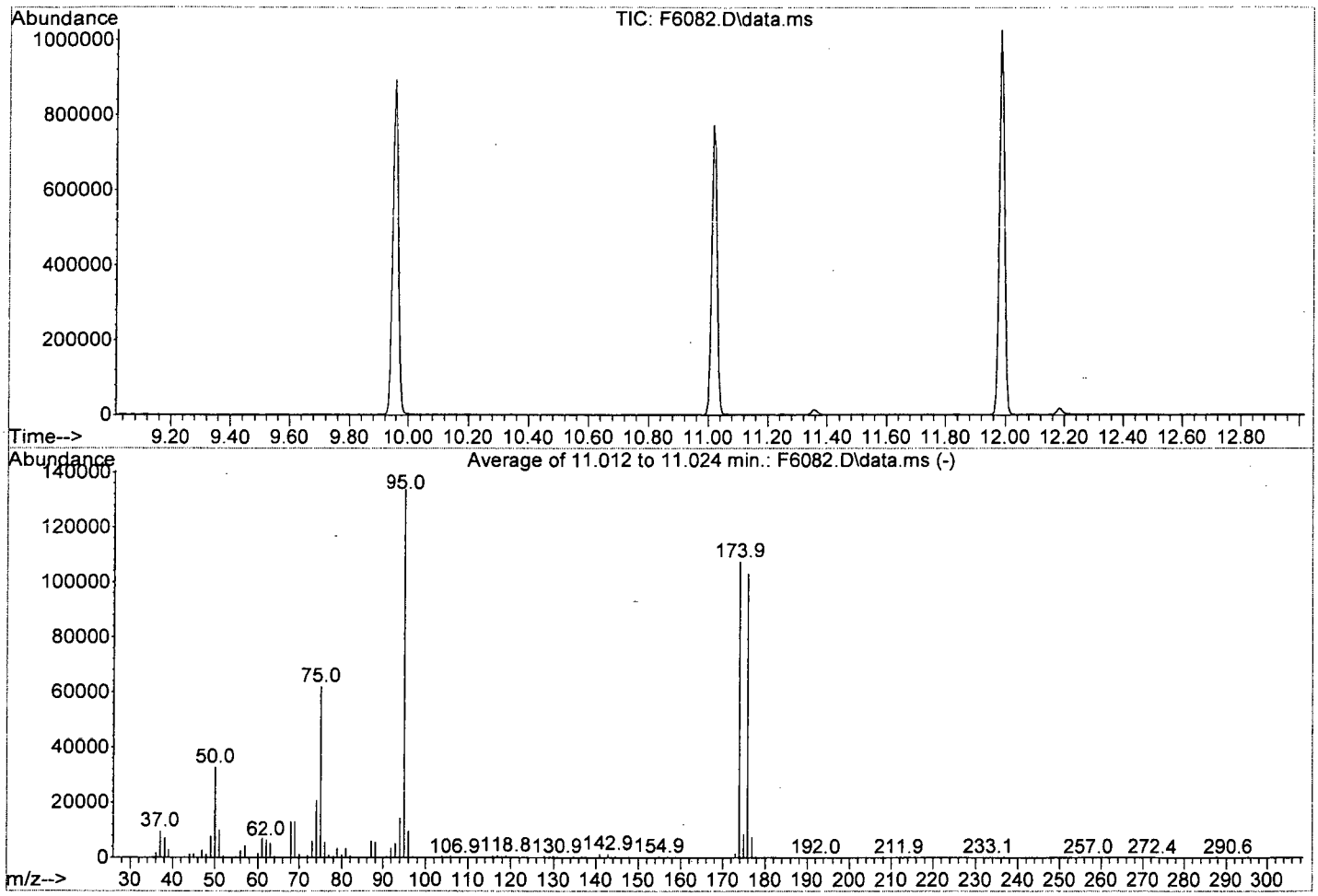
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.7	31408	PASS
75	95	30	60	46.7	59365	PASS
95	95	100	100	100.0	127011	PASS
96	95	5	9	6.5	8273	PASS
173	174	0.00	2	0.7	741	PASS
174	95	50	120	80.5	102296	PASS
175	174	5	9	7.8	7966	PASS
176	174	95	101	97.0	99225	PASS
177	176	5	9	6.8	6794	PASS

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6082.D
Acq On : 18 Feb 2016 10:20 am
Operator : F. Naegler
Sample : TUNE Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

FU 2/18/16

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Title : MS#10 - 8260B WATERS 10mL Purge
Last Update : Fri Feb 05 11:39:51 2016



AutoFind: Scans 1628, 1629, 1630; Background Corrected with Scan 1623

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.4	32675	PASS
75	95	30	60	46.4	61973	PASS
95	95	100	100	100.0	133697	PASS
96	95	5	9	7.1	9447	PASS
173	174	0.00	2	1.2	1294	PASS
174	95	50	120	80.3	107317	PASS
175	174	5	9	7.7	8238	PASS
176	174	95	101	96.0	102989	PASS
177	176	5	9	7.1	7329	PASS

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6053.D
Acq On : 17 Feb 2016 12:02 pm
Operator : F. Naegler
Sample : MBLK Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 18 09:37:21 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.659	168	274722	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	393081	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	345944	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	180760	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	120154	49.70	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 99.40%			
46) surr1,1,2-dichloroetha...	6.025	65	155963	53.50	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.00%			
64) SURR3,Toluene-d8	8.488	98	471763	49.81	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.62%			
69) SURR2,BFB	11.018	95	182298	49.26	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.52%			
Target Compounds						Qvalue
15) Acetone	2.428	43	1003	0.52	ug/L	76
111) Trielution Dichlorotol...	13.042	125	1202	0.23	ug/L #	60
118) 2,4,5-Trichlorotoluene	14.548	159	704	0.22	ug/L #	73

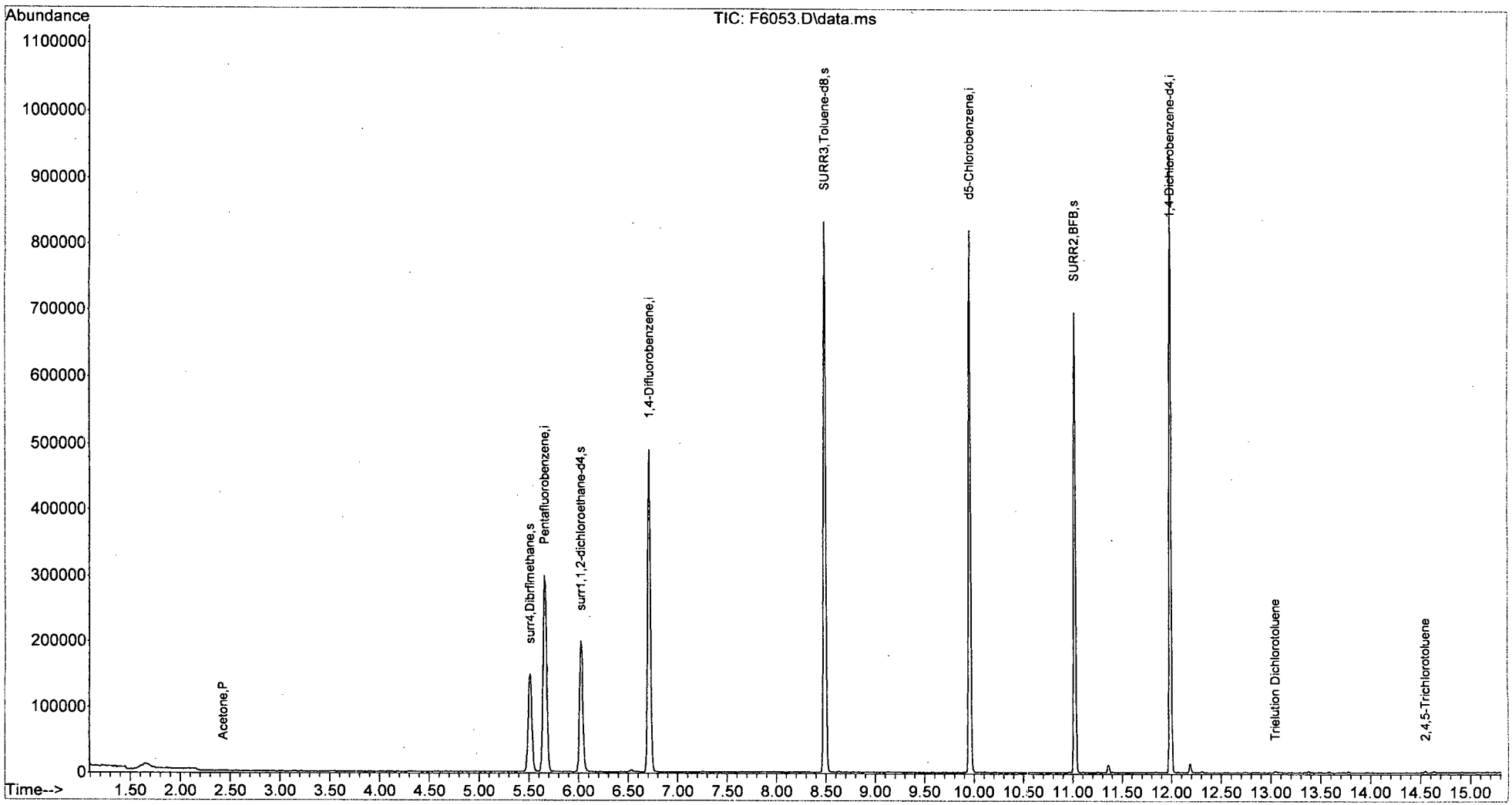
(#) = qualifier out of range (m) = manual integration (+) = signals summed

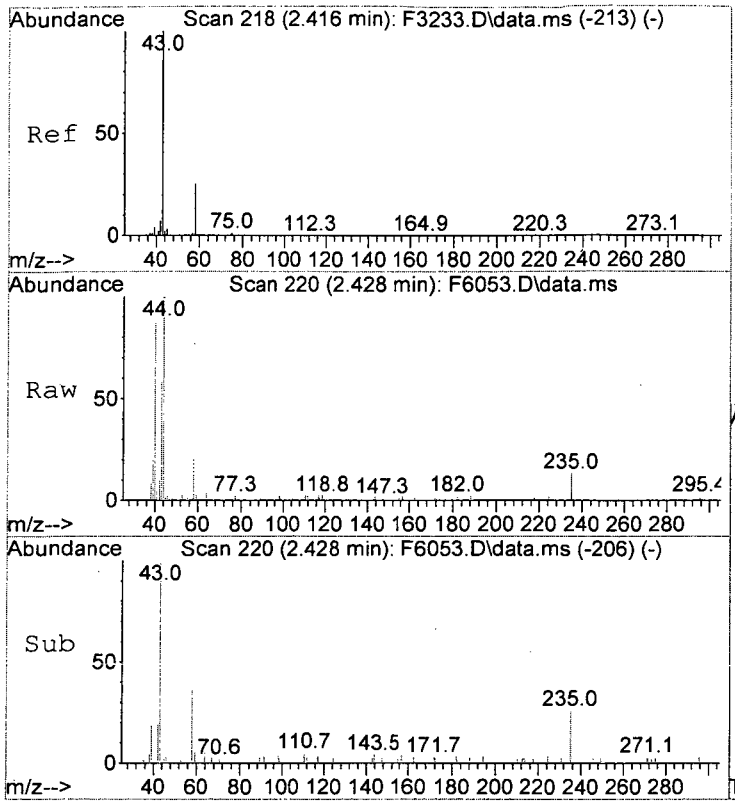
FU
2/18/16

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6053.D
Acq On : 17 Feb 2016 12:02 pm
Operator : F. Naegler
Sample : MBLK Inst : MSVOA10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 18 09:37:21 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

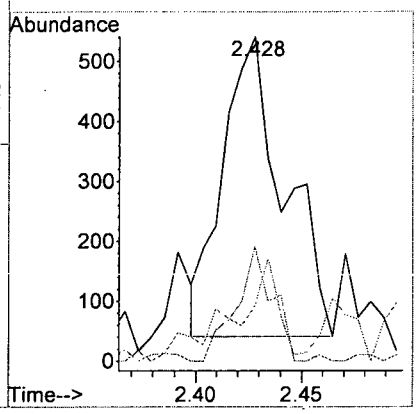


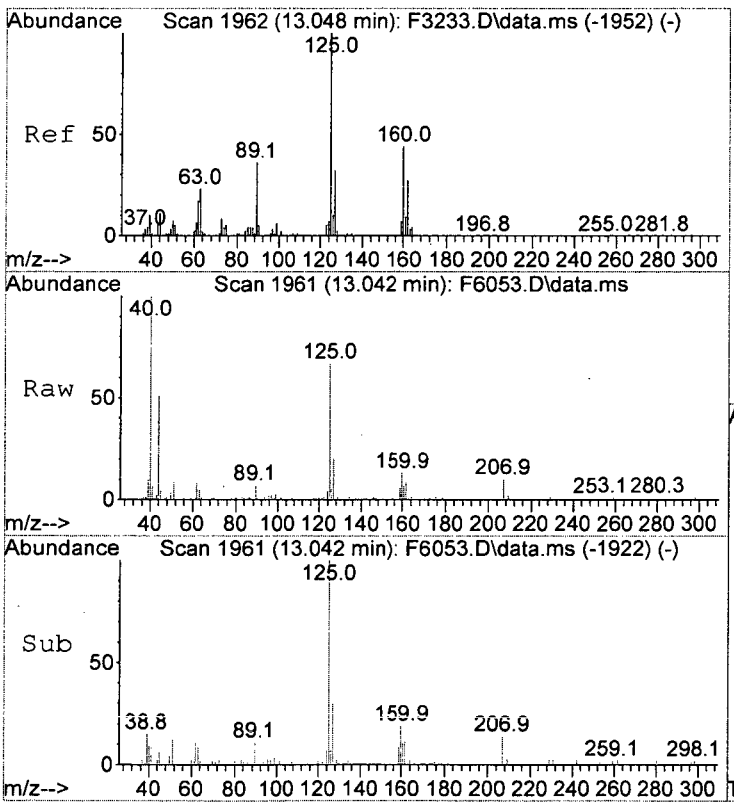


#15
Acetone
Concen: 0.52 ug/L
RT: 2.428 min Scan# 220
Delta R.T. 0.012 min
Lab File: F6053.D
Acq: 17 Feb 2016 12:02 pm

Tgt Ion: 43 Resp: 1003

Ion	Ratio	Lower	Upper
43	100		
58	35.5	4.3	44.3
42	17.0	0.0	27.3

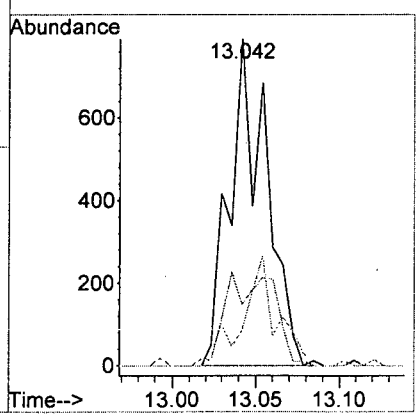


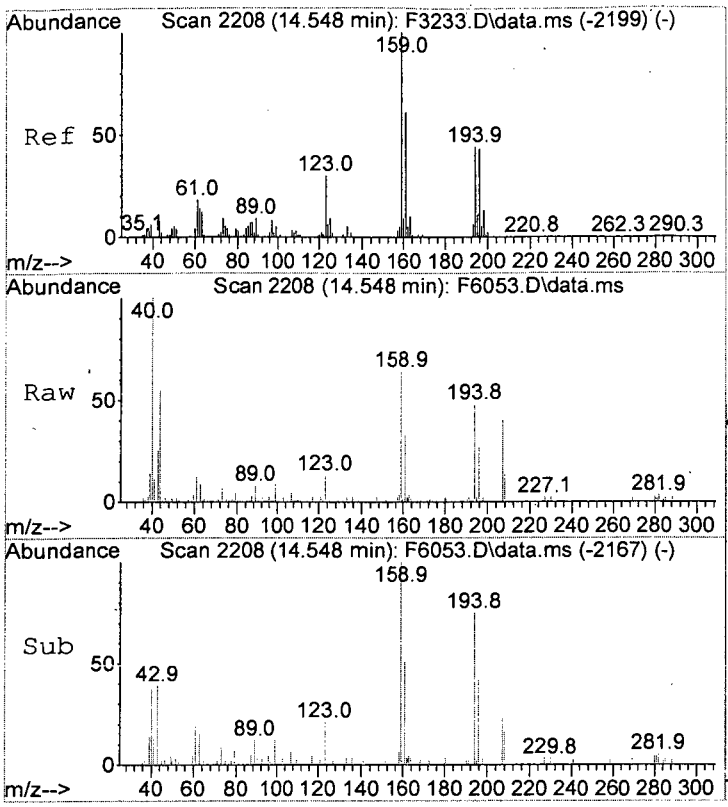


#111
Trielution Dichlorotoluene
Concen: 0.23 ug/L
RT: 13.042 min Scan# 1961
Delta R.T. -0.012 min
Lab File: F6053.D
Acq: 17 Feb 2016 12:02 pm

Tgt Ion:125 Resp: 1202

Ion	Ratio	Lower	Upper
125	100		
160	18.8	23.7	63.7#
89	10.6	15.6	55.6#

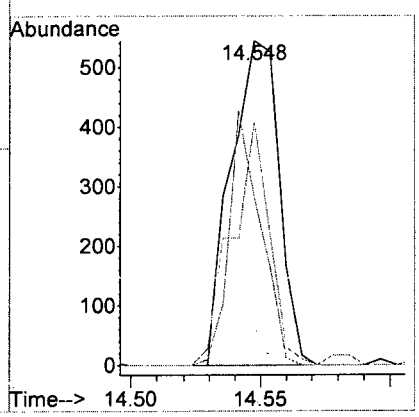




#118
2,4,5-Trichlorotoluene
Concen: 0.22 ug/L
RT: 14.548 min Scan# 2208
Delta R.T. 0.000 min
Lab File: F6053.D
Acq: 17 Feb 2016 12:02 pm

Tgt Ion:159 Resp: 704

Ion	Ratio	Lower	Upper
159	100		
161	50.5	40.9	80.9
194	73.7	23.8	63.8#



Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6087.D
Acq On : 18 Feb 2016 1:02 pm
Operator : F. Naegler
Sample : MBLK Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 19 10:30:52 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

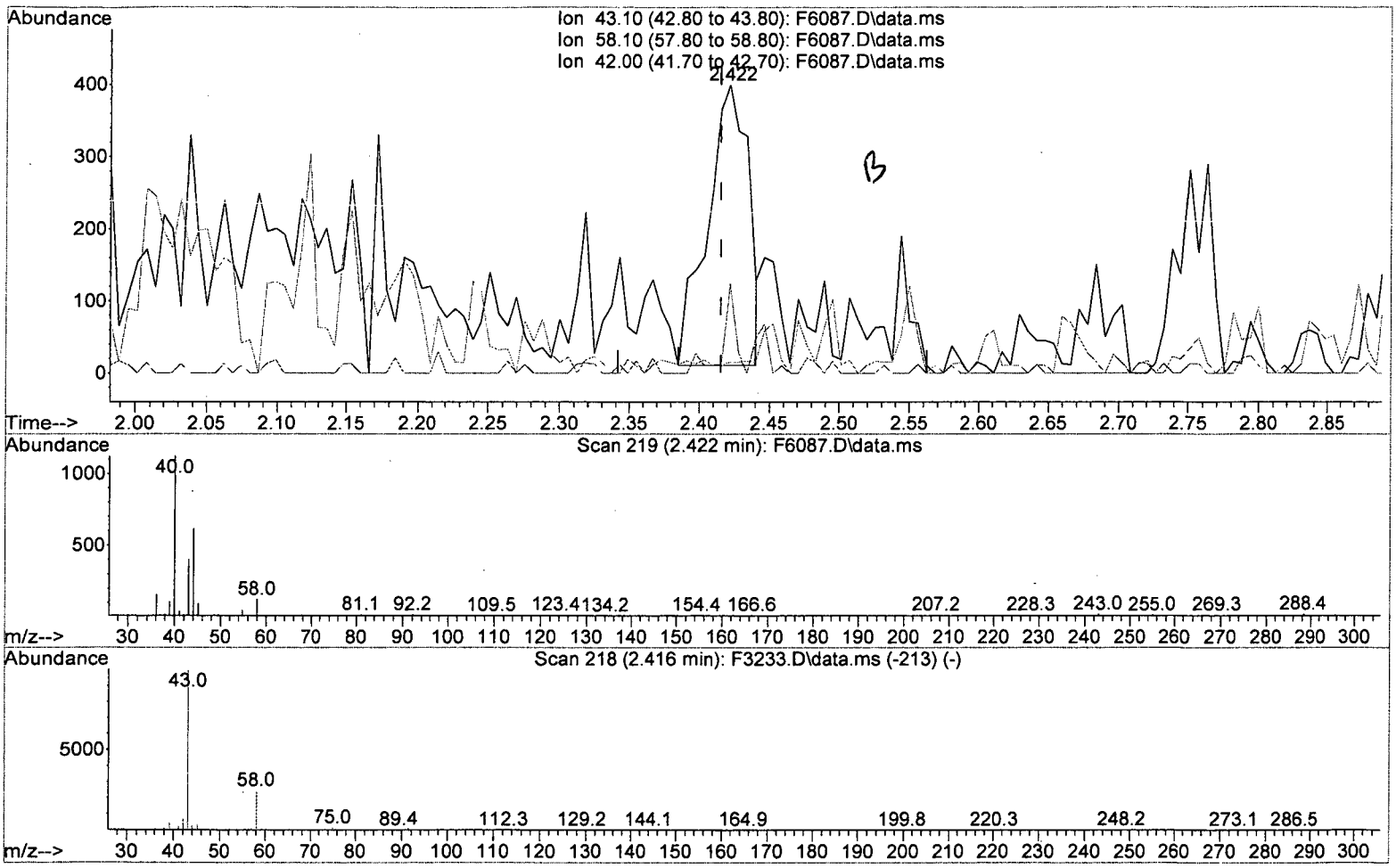
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.665	168	287303	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.714	114	413549	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.957	117	359132	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	188755	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.513	113	122317	48.09	ug/L	0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 96.18%			
46) surr1,1,2-dichloroetha...	6.025	65	162908	53.12	ug/L	0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 106.24%			
64) SURR3,Toluene-d8	8.488	98	487180	48.89	ug/L	0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.78%			
69) SURR2,BFB	11.018	95	182867	46.97	ug/L	0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 93.94%			
Target Compounds						Qvalue
15) Acetone	2.422	43	967m	0.48	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

FU 2/19/16

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6087.D
Acq On : 18 Feb 2016 1:02 pm
Operator : F. Naegler
Sample : MBLK Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 18 13:16:42 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6087.D\data.ms

(15) Acetone (P)

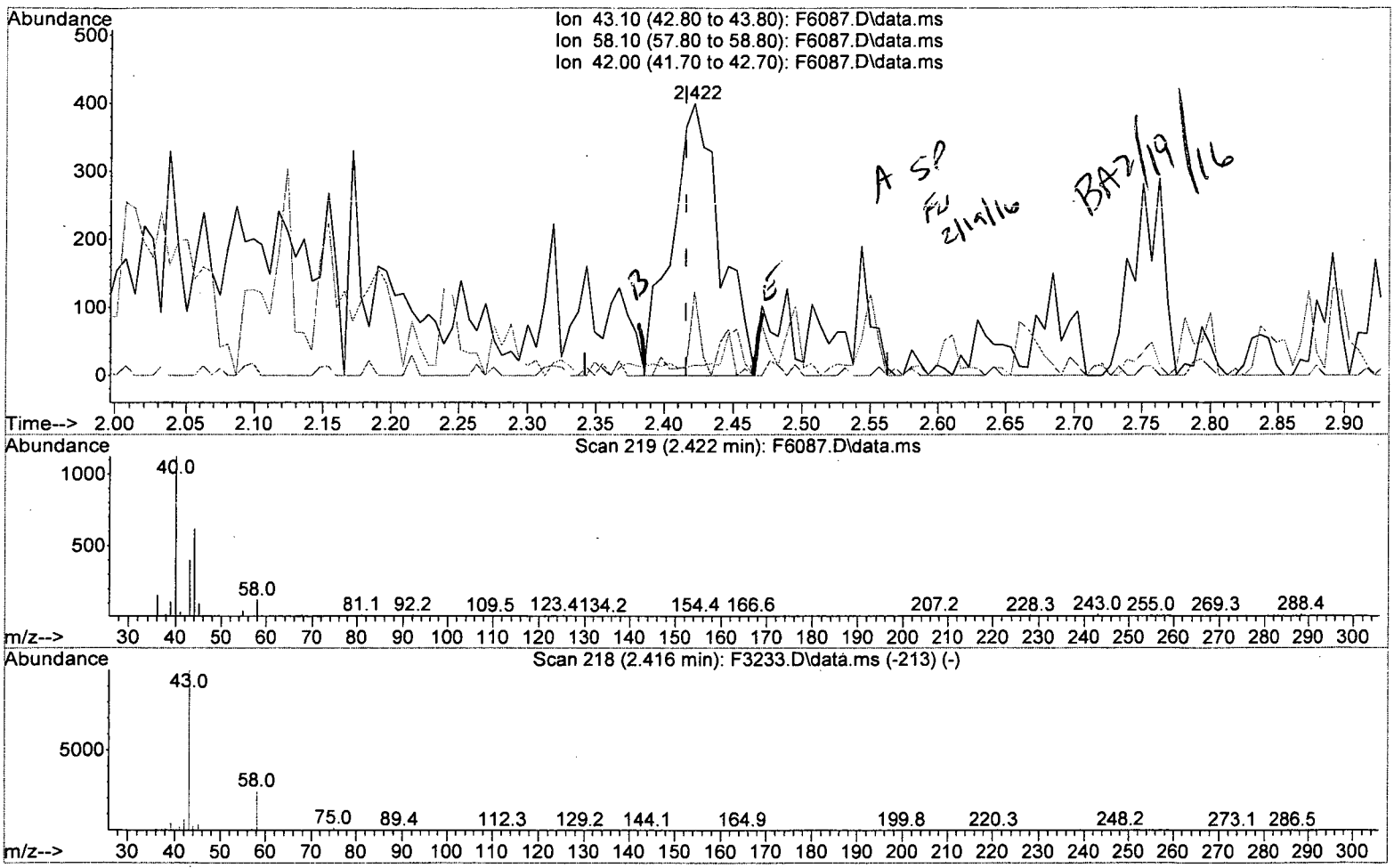
2.422min (+0.006) 0.39 ug/L

response 782

Ion	Exp%	Act%
43.10	100	100
58.10	24.30	30.83
42.00	7.30	3.76
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6087.D
Acq On : 18 Feb 2016 1:02 pm
Operator : F. Naegler
Sample : MBLK Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 18 13:16:42 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6087.D\data.ms

(15) Acetone (P)

2.422min (+0.006) 0.48 ug/L m

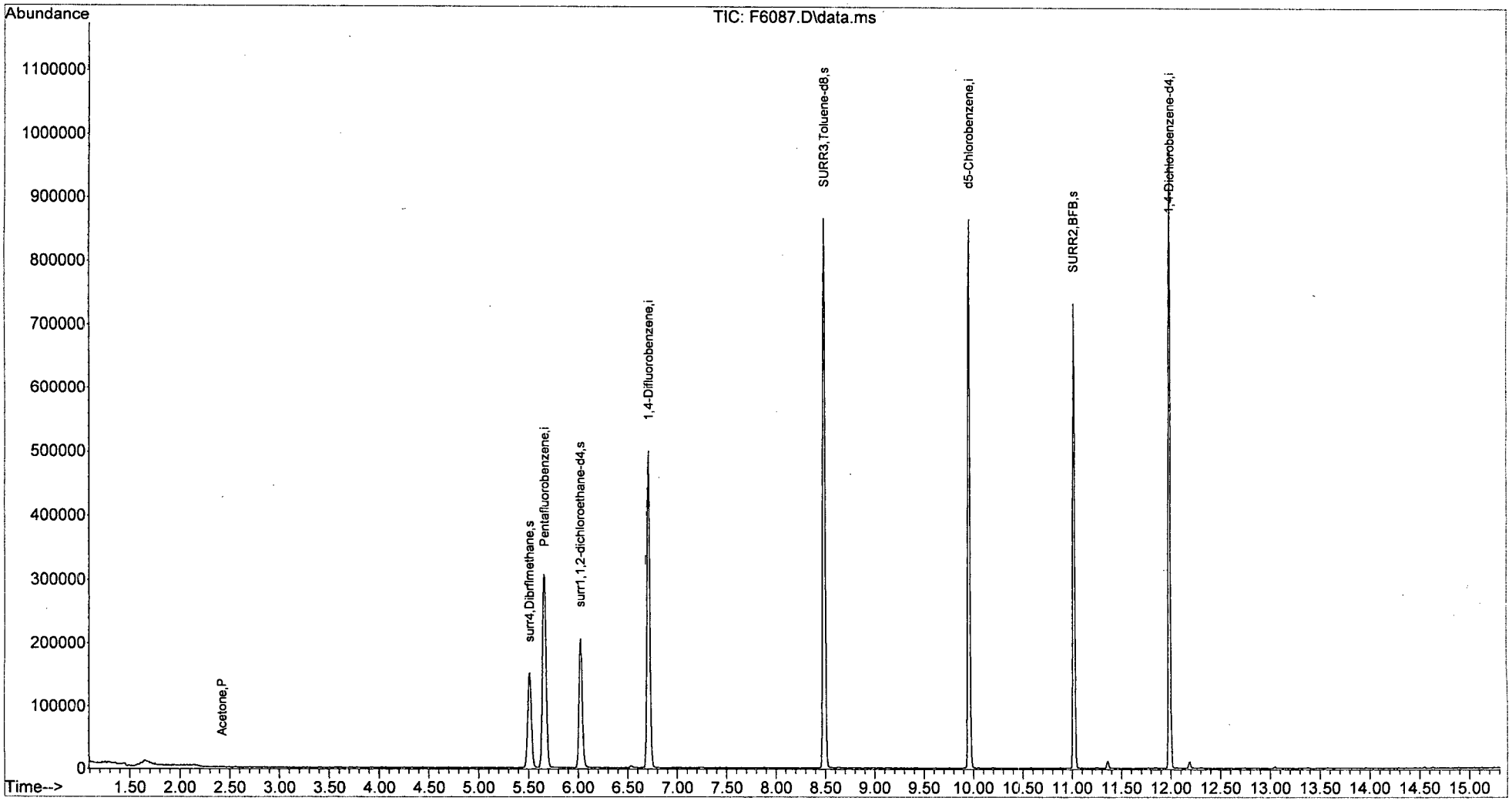
response 967

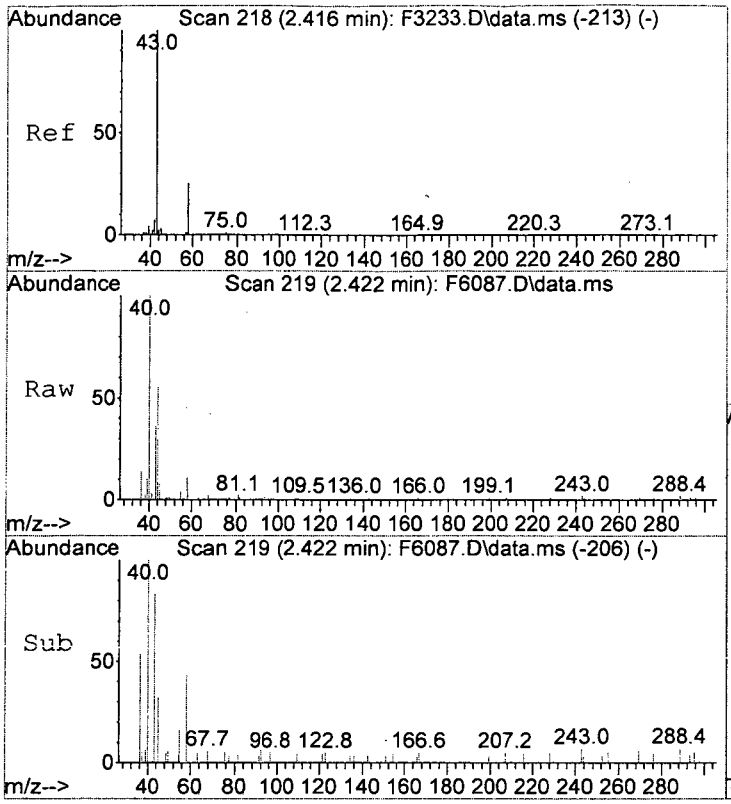
Ion	Exp%	Act%
43.10	100	100
58.10	24.30	30.83
42.00	7.30	3.76
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6087.D
Acq On : 18 Feb 2016 1:02 pm
Operator : F. Naegler
Sample : MBLK Inst : MSVOA10
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 19 10:30:52 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

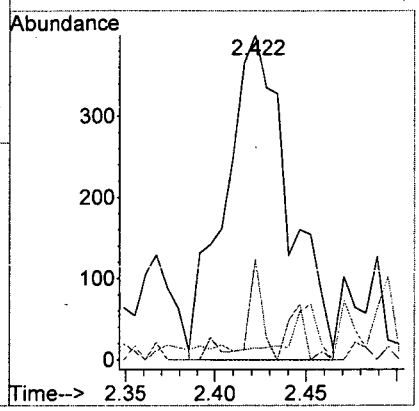




#15
Acetone
Concen: 0.48 ug/L m
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: F6087.D
Acq: 18 Feb 2016 1:02 pm

Tgt Ion: 43 Resp: 967

Ion	Ratio	Lower	Upper
43	100		
58	30.8	4.3	44.3
42	3.8	0.0	27.3



Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6051.D
Acq On : 17 Feb 2016 11:10 am
Operator : F. Naegler
Sample : LCS Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 17 12:24:06 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

FJ 2/17/16

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.665	168	281631	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.714	114	401847	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.957	117	350859	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	188999	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.513	113	124930	50.55	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 101.10%				
46) surr1,1,2-dichloroetha...	6.031	65	159958	53.67	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 107.34%				
64) SURR3,Toluene-d8	8.488	98	479457	49.52	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 99.04%				
69) SURR2,BFB	11.018	95	188283	49.76	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 99.52%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.160	85	64089	19.11	ug/L		94
3) Chloromethane	1.288	50	91209	18.07	ug/L		98
4) Vinyl Chloride	1.373	62	81434	20.35	ug/L		100
5) Bromomethane	1.623	94	29844	16.41	ug/L		95
6) Chloroethane	1.697	64	39960	18.55	ug/L		99
7) Freon 21	1.861	67	105395	22.02	ug/L		97
8) Trichlorofluoromethane	1.910	101	61820	19.30	ug/L		100
9) Diethyl Ether	2.160	59	60271	20.57	ug/L		95
10) Freon 123a	2.166	67	65895	24.34	ug/L		99
11) Freon 123	2.227	83	66169	20.89	ug/L		96
12) Acrolein	2.270	56	20290	24.95	ug/L		94
13) 1,1-Diclethene	2.361	96	39861	17.86	ug/L		97
14) Freon 113	2.367	101	35805	17.24	ug/L		98
15) Acetone	2.416	43	42571	21.70	ug/L		91
16) 2-Propanol	2.593	45	156736	365.71	ug/L		99
17) Iodomethane	2.495	142	58669	20.84	ug/L		96
18) Carbon Disulfide	2.562	76	132443	20.04	ug/L		98
19) Acetonitrile	2.696	40	42215m	95.83	ug/L		
20) Allyl Chloride	2.721	76	24219	20.26	ug/L	#	81
21) Methyl Acetate	2.751	43	69538	16.22	ug/L		91
22) Methylene Chloride	2.849	84	48731	17.49	ug/L	#	84
23) TBA	3.019	59	240330	403.68	ug/L		90
24) Acrylonitrile	3.123	53	188763	99.11	ug/L		97
25) Methyl-t-Butyl Ether	3.178	73	172845	19.36	ug/L		97
26) trans-1,2-Dichloroethene	3.166	96	43526	18.19	ug/L		95
27) 1,1-Diclethane	3.702	63	96781	20.42	ug/L		95
28) Vinyl Acetate	3.806	86	11525	19.29	ug/L	#	84
29) DIPE	3.849	45	221437	18.36	ug/L		96
30) 2-Chloro-1,3-Butadiene	3.836	53	107858	19.24	ug/L		97
31) ETBE	4.428	59	192180	18.57	ug/L		98
32) 2,2-Dichloropropane	4.598	77	61497	17.14	ug/L		93
33) cis-1,2-Dichloroethene	4.617	96	51337	18.42	ug/L		96
34) 2-Butanone	4.678	43	53860	18.48	ug/L		98
35) Propionitrile	4.775	54	79667	98.96	ug/L		98

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6051.D
Acq On : 17 Feb 2016 11:10 am
Operator : F. Naegler
Sample : LCS Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 17 12:24:06 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Bromochloromethane	5.043	130	36352	20.16	ug/L	#	82
37) Methacrylonitrile	5.056	67	29861	18.45	ug/L	#	67
38) Tetrahydrofuran	5.141	42	33028	19.77	ug/L		80
39) Chloroform	5.239	83	80644	18.37	ug/L		99
40) 1,1,1-Trichloroethane	5.513	97	61644	17.62	ug/L		91
42) Cyclohexane	5.592	41	65879	20.79	ug/L		100
44) Carbontetrachloride	5.781	121	15893	17.34	ug/L		94
45) 1,1-Dichloropropene	5.793	75	58275	18.89	ug/L		96
47) Benzene	6.104	78	182236	18.24	ug/L		99
48) 1,2-Dichloroethane	6.141	62	85062	21.58	ug/L		97
49) Iso-Butyl Alcohol	6.159	43	115644	360.94	ug/L		100
50) TAME	6.342	73	147456	17.16	ug/L		94
51) n-Heptane	6.586	43	87072	20.29	ug/L		87
52) 1-Butanol	7.086	56	170933	931.35	ug/L		82
53) Trichloroethene	7.031	130	52365	19.41	ug/L		99
54) Methylcyclohexane	7.256	55	89948	22.65	ug/L		97
55) 1,2-Diclpropane	7.305	63	60701	20.78	ug/L		99
56) Dibromomethane	7.445	93	33288	20.07	ug/L		91
57) 1,4-Dioxane	7.525	88	23688	416.11	ug/L		95
58) Methyl Methacrylate	7.531	69	46038	18.12	ug/L	#	86
59) Bromodichloromethane	7.665	83	60883	18.33	ug/L		96
60) 2-Nitropropane	7.945	41	44525	35.32	ug/L		95
61) 2-Chloroethylvinyl Ether	8.067	63	39618	20.99	ug/L		94
62) cis-1,3-Dichloropropene	8.201	75	81317	18.43	ug/L		97
63) 4-Methyl-2-pentanone	8.403	43	98741	19.13	ug/L		86
65) Toluene	8.561	91	188525	17.80	ug/L		99
66) trans-1,3-Dichloropropene	8.829	75	77030	19.25	ug/L		97
67) Ethyl Methacrylate	8.963	69	82599	18.68	ug/L		93
68) 1,1,2-Trichloroethane	9.012	97	49966	19.77	ug/L		95
71) Tetrachloroethene	9.146	164	36689	18.00	ug/L		91
72) 2-Hexanone	9.299	43	73724	18.93	ug/L		92
73) 1,3-Dichloropropane	9.177	76	85398	19.86	ug/L		91
74) Dibromochloromethane	9.402	129	51235	18.74	ug/L		98
75) N-Butyl Acetate	9.451	43	135365	18.33	ug/L		92
76) 1,2-Dibromoethane	9.494	107	53241	19.83	ug/L		99
77) 3-Chlorobenzotrifluoride	10.000	180	64480	15.40	ug/L		97
78) Chlorobenzene	9.982	112	131605	18.30	ug/L		95
79) 4-Chlorobenzotrifluoride	10.055	180	58923	15.63	ug/L		99
80) 1,1,1,2-Tetrachloroethane	10.067	131	47587	18.24	ug/L		97
81) Ethylbenzene	10.103	106	64374	17.44	ug/L		96
82) (m+p)Xylene	10.213	106	166774	35.76	ug/L		94
83) o-Xylene	10.567	106	83831	17.35	ug/L		97
84) Styrene	10.579	104	145401	17.72	ug/L		97
85) Bromoform	10.731	173	35925	17.84	ug/L		97
86) 2-Chlorobenzotrifluoride	10.805	180	64662	15.55	ug/L		98
87) Isopropylbenzene	10.896	105	203101	16.68	ug/L		96
88) Cyclohexanone	10.963	55	354822	477.30	ug/L		90
89) trans-1,4-Dichloro-2-B...	11.201	53	27415	18.88	ug/L		92
91) 1,1,2,2-Tetrachloroethane	11.152	83	68363	18.56	ug/L		91
92) Bromobenzene	11.140	156	61075	19.64	ug/L		94
93) 1,2,3-Trichloropropane	11.183	110	22338	18.63	ug/L		94

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6051.D
Acq On : 17 Feb 2016 11:10 am
Operator : F. Naegler
Sample : LCS Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

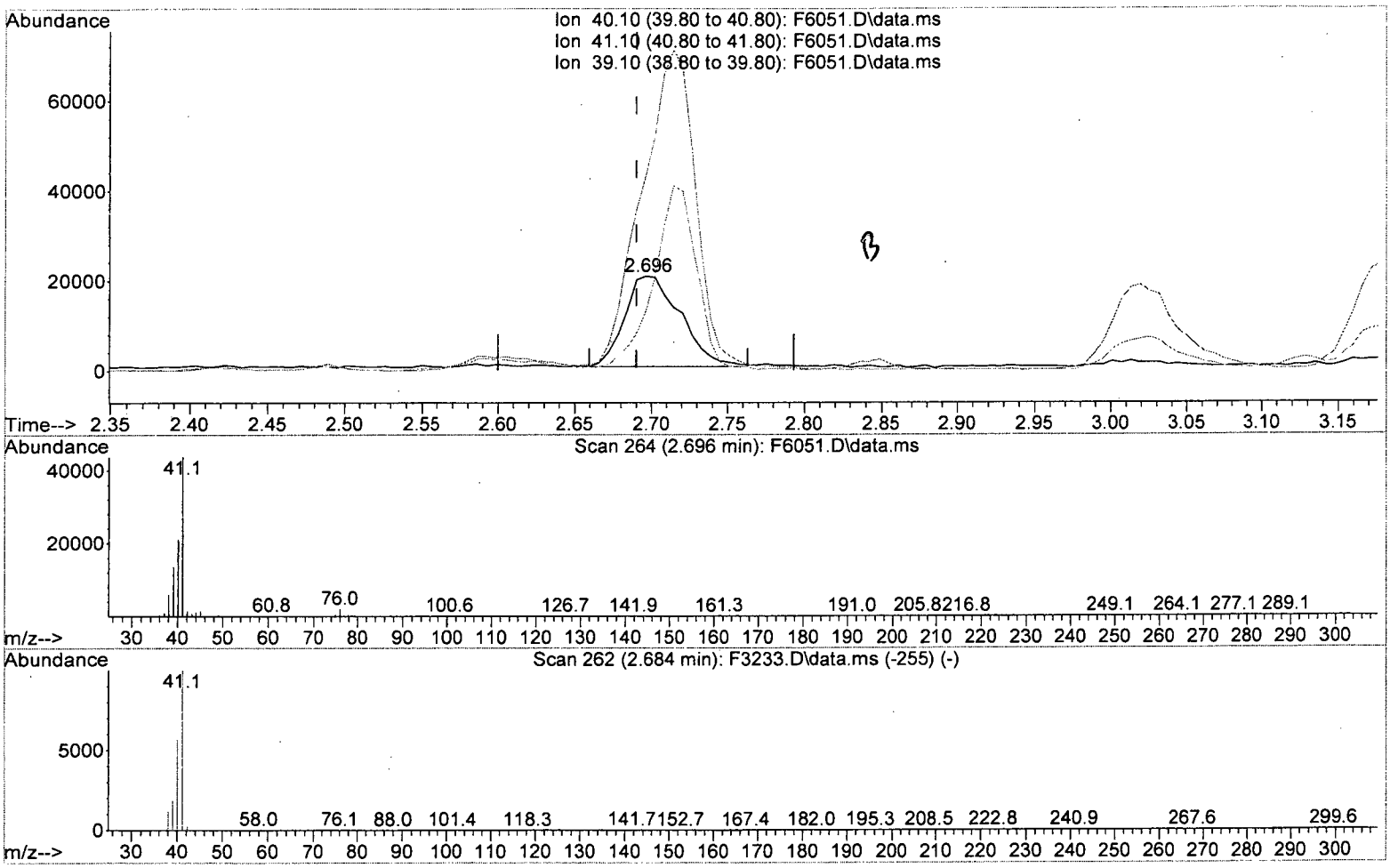
Quant Time: Feb 17 12:24:06 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	n-Propylbenzene	11.250	91	239036	17.13	ug/L	99
95)	2-Chlorotoluene	11.311	91	146632	17.96	ug/L	99
96)	3-Chlorotoluene	11.365	91	142450	16.09	ug/L	98
97)	4-Chlorotoluene	11.402	91	175811	18.70	ug/L	95
98)	1,3,5-Trimethylbenzene	11.402	105	176308	17.81	ug/L	99
99)	tert-Butylbenzene	11.670	119	150017	17.53	ug/L	99
100)	1,2,4-Trimethylbenzene	11.713	105	183365	17.91	ug/L	95
101)	3,4-Dichlorobenzotrifl...	11.774	214	51096	15.41	ug/L	97
102)	sec-Butylbenzene	11.853	105	211877	16.82	ug/L	99
103)	p-Isopropyltoluene	11.975	119	192808	18.94	ug/L	98
104)	1,3-Dclbenz	11.932	146	113408	19.18	ug/L	98
105)	1,4-Dclbenz	12.006	146	114685	18.57	ug/L	97
106)	2,4-Dichlorobenzotrifl...	12.060	214	47391	15.79	ug/L	98
107)	2,5-Dichlorobenzotrifl...	12.103	214	54901	16.23	ug/L	94
108)	n-Butylbenzene	12.304	91	170157	18.14	ug/L	98
109)	1,2-Dclbenz	12.310	146	114631	19.38	ug/L	99
110)	1,2-Dibromo-3-chloropr...	12.932	157	17245	17.54	ug/L	97
111)	Trielution Dichlorotol...	13.048	125	287665	53.66	ug/L	95
112)	1,3,5-Trichlorobenzene	13.103	180	82696	18.21	ug/L	97
113)	Coelution Dichlorotoluene	13.377	125	218995	36.56	ug/L	98
114)	1,2,4-Tcbenzene	13.584	180	90542	21.00	ug/L	99
115)	Hexachlorobt	13.719	225	33580	18.76	ug/L	97
116)	Naphthalen	13.773	128	266280	20.22	ug/L	98
117)	1,2,3-Tclbenzene	13.962	180	88496	19.87	ug/L	98
118)	2,4,5-Trichlorotoluene	14.548	159	62486	18.65	ug/L	95
119)	2,3,6-Trichlorotoluene	14.633	159	57897	19.04	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6051.D
Acq On : 17 Feb 2016 11:10 am
Operator : F. Naegler
Sample : LCS Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 17 11:24:51 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6051.D\data.ms

(19) Acetonitrile

2.696min (+0.006) 115.55 ug/L

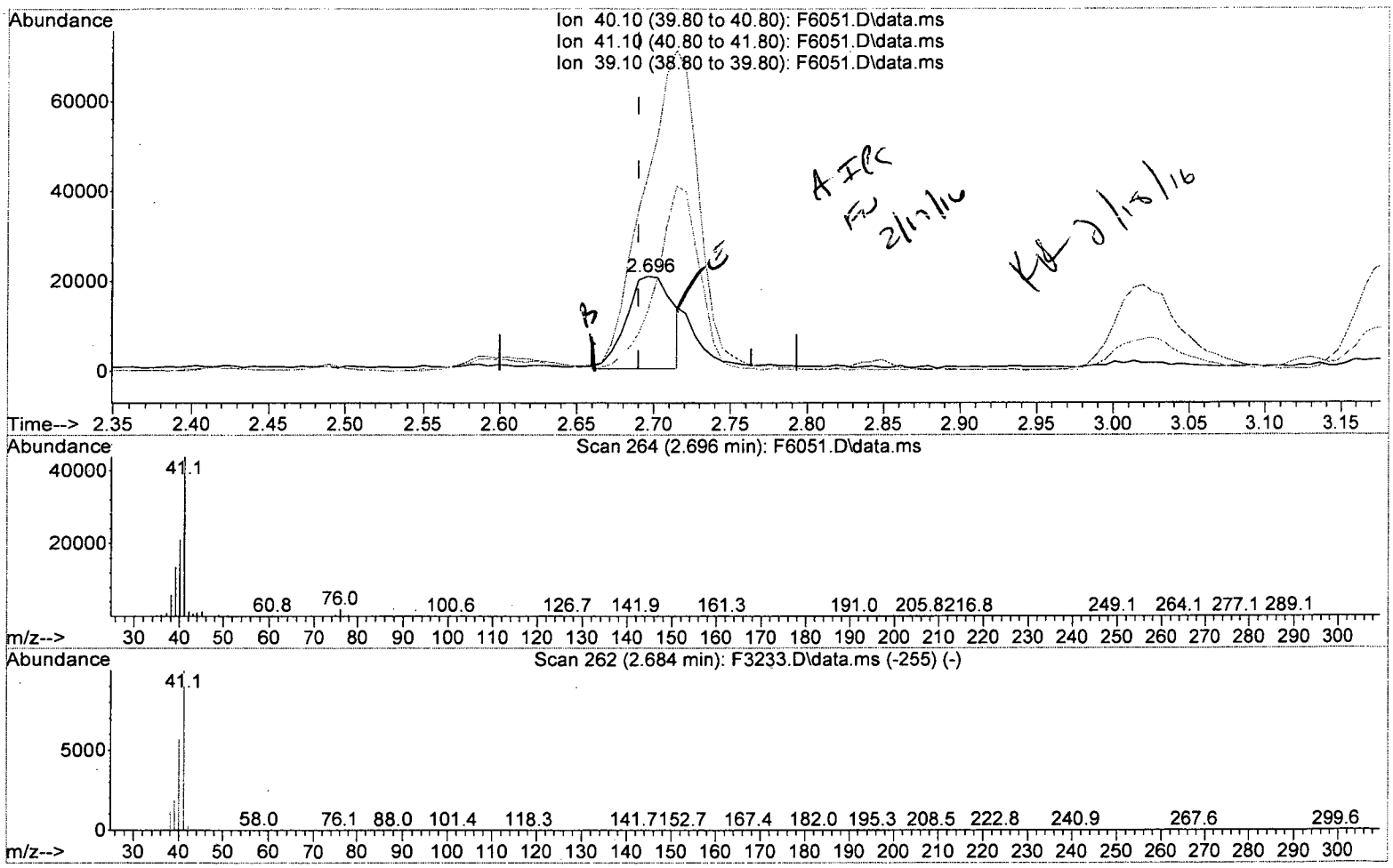
response 50900

Ion	Exp%	Act%
40.10	100	100
41.10	176.40	208.09#
39.10	34.00	64.19#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6051.D
Acq On : 17 Feb 2016 11:10 am
Operator : F. Naegler
Sample : LCS Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 17 11:24:51 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6051.D\data.ms

(19) Acetonitrile

2.696min (+0.006) 95.83 ug/L m

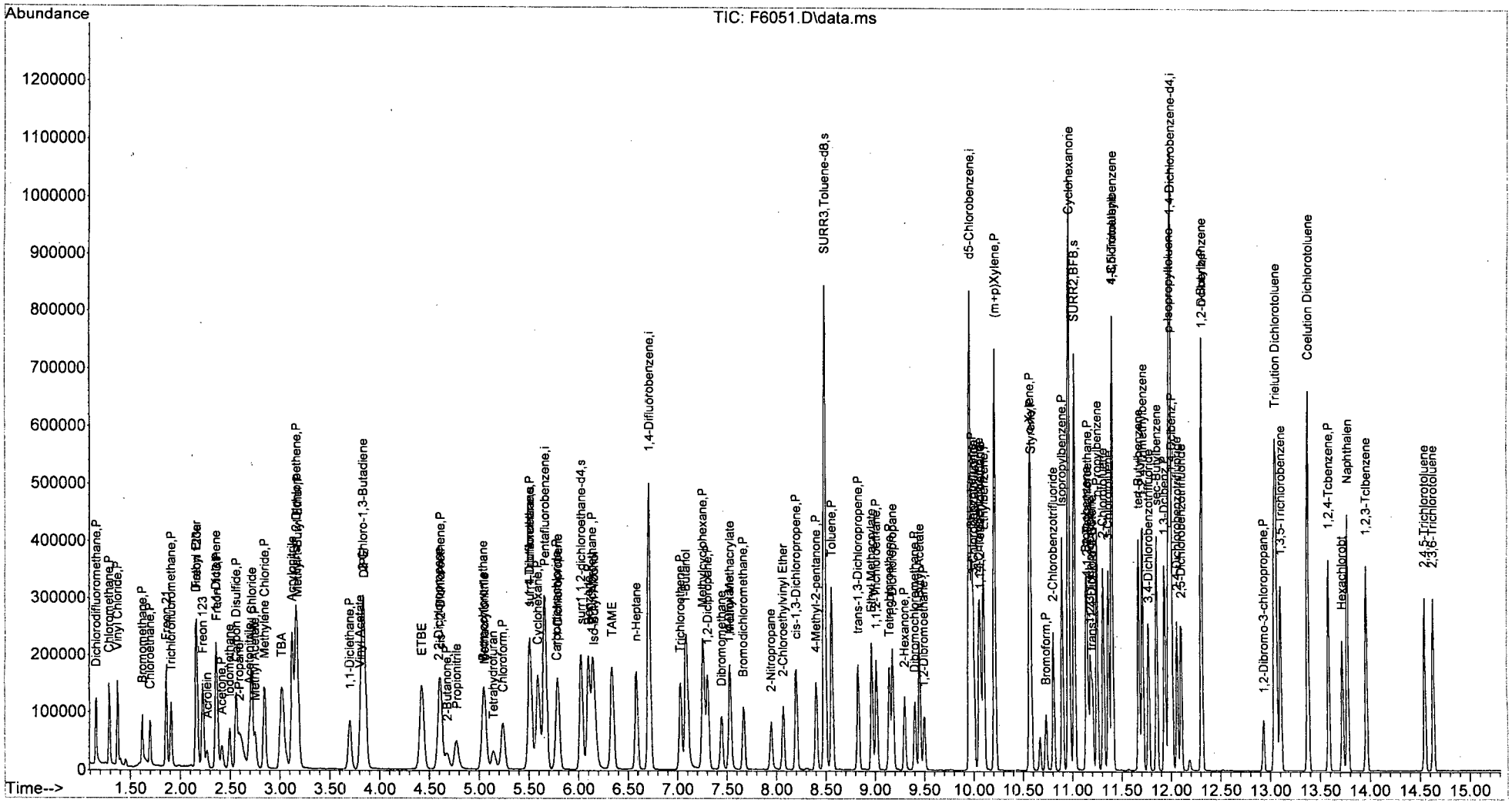
response 42215

Ion	Exp%	Act%
40.10	100	100
41.10	176.40	208.09#
39.10	34.00	64.19#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6051.D
Acq On : 17 Feb 2016 11:10 am
Operator : F. Naegler
Sample : LCS Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 17 12:24:06 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6084.D
Acq On : 18 Feb 2016 11:40 am
Operator : F. Naegler
Sample : LCS Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 18 12:21:53 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

FU 2/18/16

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.659	168	304963	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.708	114	443225	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.957	117	382928	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	207137	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.513	113	136253	49.99	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 99.98%				
46) surr1,1,2-dichloroetha...	6.025	65	171644	52.22	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.44%				
64) SURR3,Toluene-d8	8.488	98	521956	48.87	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 97.74%				
69) SURR2,BFB	11.018	95	205790	49.31	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.62%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	70463	19.40	ug/L		95
3) Chloromethane	1.288	50	102838	18.82	ug/L		97
4) Vinyl Chloride	1.373	62	90225	20.82	ug/L		97
5) Bromomethane	1.623	94	32071	16.28	ug/L		95
6) Chloroethane	1.697	64	42700	18.31	ug/L		96
7) Freon 21	1.861	67	112506	21.70	ug/L		96
8) Trichlorofluoromethane	1.910	101	70863	20.43	ug/L		97
9) Diethyl Ether	2.160	59	64525	20.33	ug/L		92
10) Freon 123a	2.166	67	69366	23.66	ug/L		98
11) Freon 123	2.227	83	68077	19.85	ug/L		98
12) Acrolein	2.263	56	31692	36.00	ug/L		96
13) 1,1-Diclethene	2.361	96	44414	18.38	ug/L		94
14) Freon 113	2.367	101	42046	18.69	ug/L		100
15) Acetone	2.416	43	40950	19.27	ug/L		90
16) 2-Propanol	2.593	45	144444	311.25	ug/L		97
17) Iodomethane	2.495	142	55558	18.59	ug/L		95
18) Carbon Disulfide	2.556	76	109077	15.24	ug/L		99
19) Acetonitrile	2.702	40	31433m	65.90	ug/L		
20) Allyl Chloride	2.715	76	26440	20.42	ug/L	#	91
21) Methyl Acetate	2.751	43	70505	15.18	ug/L		92
22) Methylene Chloride	2.843	84	51797	17.16	ug/L		92
23) TBA	3.019	59	217066	336.71	ug/L		87
24) Acrylonitrile	3.123	53	189638	91.95	ug/L		98
25) Methyl-t-Butyl Ether	3.172	73	177663	18.38	ug/L		99
26) trans-1,2-Dichloroethene	3.160	96	47712	18.41	ug/L		91
27) 1,1-Diclethane	3.696	63	105026	20.47	ug/L		98
28) Vinyl Acetate	3.812	86	12367	19.11	ug/L	#	95
29) DIPE	3.849	45	256355	19.63	ug/L		97
30) 2-Chloro-1,3-Butadiene	3.836	53	91192	15.02	ug/L		95
31) ETBE	4.422	59	210493	18.78	ug/L		97
32) 2,2-Dichloropropane	4.604	77	69093	17.79	ug/L		95
33) cis-1,2-Dichloroethene	4.611	96	54916	18.20	ug/L		94
34) 2-Butanone	4.678	43	52409	16.61	ug/L		99
35) Propionitrile	4.769	54	77281	88.66	ug/L		97

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6084.D
Acq On : 18 Feb 2016 11:40 am
Operator : F. Naegler
Sample : LCS Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 18 12:21:53 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Bromochloromethane	5.037	130	38130	19.53	ug/L	#	89
37) Methacrylonitrile	5.050	67	30669	17.50	ug/L		89
38) Tetrahydrofuran	5.141	42	34066	18.83	ug/L		78
39) Chloroform	5.232	83	84006	17.67	ug/L		95
40) 1,1,1-Trichloroethane	5.507	97	71805	18.95	ug/L		98
42) Cyclohexane	5.592	41	69427	19.86	ug/L		99
44) Carbontetrachloride	5.775	121	17742	17.55	ug/L		92
45) 1,1-Dichloropropene	5.793	75	66668	19.59	ug/L		98
47) Benzene	6.098	78	200857	18.23	ug/L		98
48) 1,2-Dichloroethane	6.141	62	88293	20.31	ug/L		98
49) Iso-Butyl Alcohol	6.153	43	105698	299.10	ug/L		99
50) TAME	6.336	73	161409	17.03	ug/L		96
51) n-Heptane	6.586	43	97652	20.63	ug/L		87
52) 1-Butanol	7.086	56	153315	757.37	ug/L		83
53) Trichloroethene	7.031	130	58433	19.64	ug/L		96
54) Methylcyclohexane	7.256	55	95455	21.79	ug/L		97
55) 1,2-Diclpropane	7.299	63	66686	20.69	ug/L		96
56) Dibromomethane	7.439	93	35203	19.24	ug/L		97
57) 1,4-Dioxane	7.525	88	21594	343.91	ug/L		98
58) Methyl Methacrylate	7.525	69	45897	16.38	ug/L		89
59) Bromodichloromethane	7.665	83	65027	17.75	ug/L		98
60) 2-Nitropropane	7.945	41	42812	30.79	ug/L		95
61) 2-Chloroethylvinyl Ether	8.067	63	37631	18.08	ug/L		96
62) cis-1,3-Dichloropropene	8.201	75	84453	17.35	ug/L		97
63) 4-Methyl-2-pentanone	8.403	43	98811	17.36	ug/L		85
65) Toluene	8.561	91	209960	17.97	ug/L		97
66) trans-1,3-Dichloropropene	8.829	75	78293	17.74	ug/L		94
67) Ethyl Methacrylate	8.963	69	82145	16.84	ug/L		93
68) 1,1,2-Trichloroethane	9.012	97	51776	18.57	ug/L		97
71) Tetrachloroethene	9.140	164	42258	18.99	ug/L		95
72) 2-Hexanone	9.299	43	72479	17.05	ug/L		89
73) 1,3-Dichloropropane	9.177	76	88542	18.87	ug/L		95
74) Dibromochloromethane	9.402	129	53591	17.96	ug/L		98
75) N-Butyl Acetate	9.451	43	136824	16.97	ug/L		94
76) 1,2-Dibromoethane	9.494	107	55613	18.98	ug/L		100
77) 3-Chlorobenzotrifluoride	10.000	180	89923	19.67	ug/L		98
78) Chlorobenzene	9.982	112	148181	18.88	ug/L		92
79) 4-Chlorobenzotrifluoride	10.055	180	81967	19.92	ug/L		96
80) 1,1,1,2-Tetrachloroethane	10.067	131	51113	17.95	ug/L		98
81) Ethylbenzene	10.097	106	75257	18.68	ug/L		95
82) (m+p)Xylene	10.213	106	184041	36.15	ug/L		98
83) o-Xylene	10.567	106	90048	17.07	ug/L		98
84) Styrene	10.579	104	157425	17.58	ug/L		98
85) Bromoform	10.731	173	36168	16.45	ug/L		100
86) 2-Chlorobenzotrifluoride	10.811	180	87183	19.21	ug/L		86
87) Isopropylbenzene	10.896	105	228940	17.22	ug/L		100
88) Cyclohexanone	10.963	55	324864	400.41	ug/L		88
89) trans-1,4-Dichloro-2-B...	11.201	53	26656	16.82	ug/L		86
91) 1,1,2,2-Tetrachloroethane	11.152	83	69370	17.19	ug/L		92
92) Bromobenzene	11.140	156	64086	18.80	ug/L		97
93) 1,2,3-Trichloropropane	11.182	110	22720	17.28	ug/L	#	80

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6084.D
Acq On : 18 Feb 2016 11:40 am
Operator : F. Naegler
Sample : LCS Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

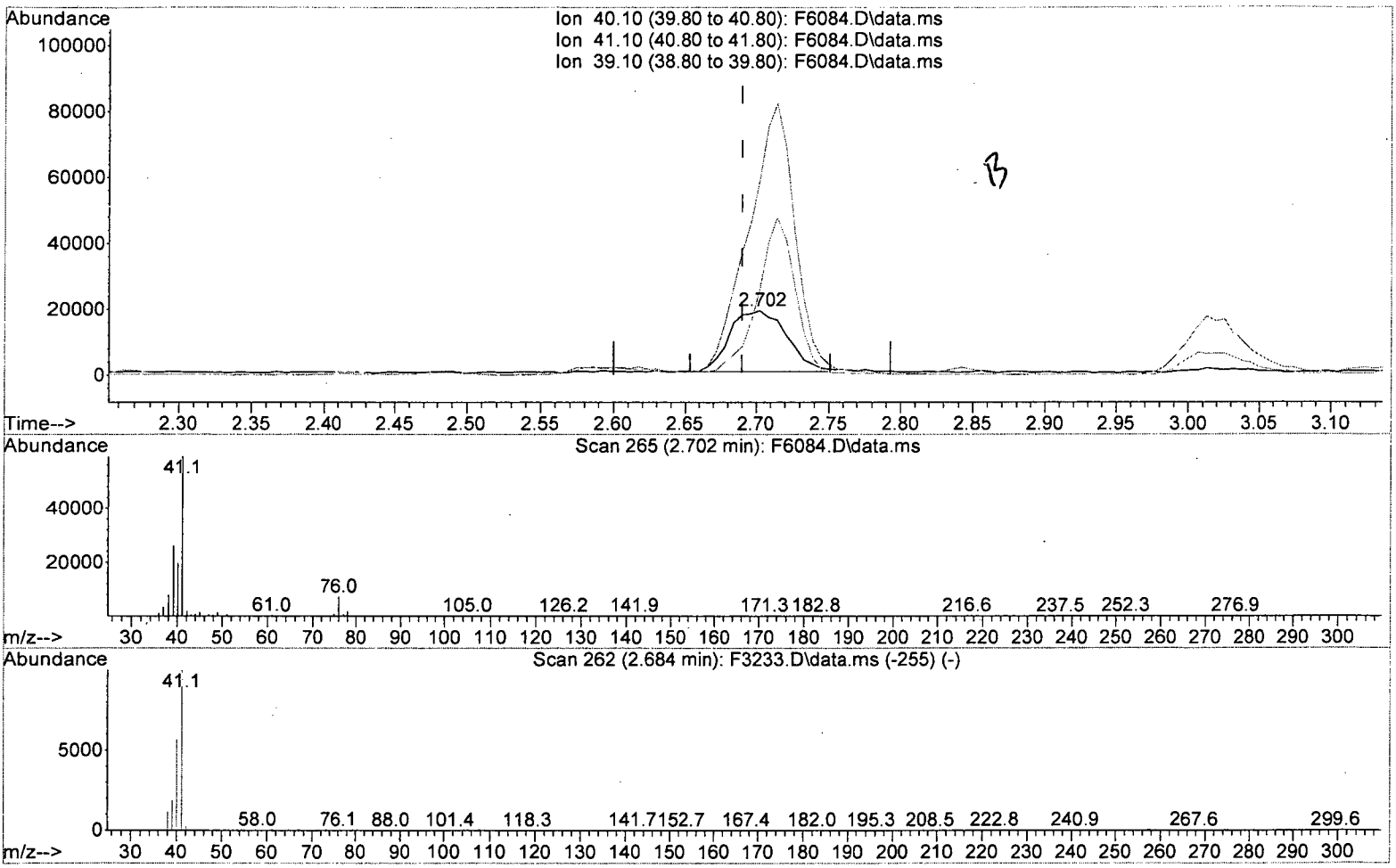
Quant Time: Feb 18 12:21:53 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	n-Propylbenzene	11.250	91	270648	17.69	ug/L	99
95)	2-Chlorotoluene	11.310	91	159600	17.84	ug/L	99
96)	3-Chlorotoluene	11.365	91	176914	18.23	ug/L	98
97)	4-Chlorotoluene	11.408	91	192070	18.64	ug/L	98
98)	1,3,5-Trimethylbenzene	11.402	105	198647	18.31	ug/L	99
99)	tert-Butylbenzene	11.670	119	171206	18.25	ug/L	97
100)	1,2,4-Trimethylbenzene	11.713	105	200211	17.84	ug/L	97
101)	3,4-Dichlorobenzotrifl...	11.774	214	65167	17.93	ug/L	99
102)	sec-Butylbenzene	11.853	105	241333	17.48	ug/L	99
103)	p-Isopropyltoluene	11.975	119	215503	19.32	ug/L	99
104)	1,3-Dclbenz	11.932	146	123096	18.99	ug/L	96
105)	1,4-Dclbenz	12.005	146	123510	18.25	ug/L	96
106)	2,4-Dichlorobenzotrifl...	12.060	214	60186	18.30	ug/L	94
107)	2,5-Dichlorobenzotrifl...	12.103	214	67804	18.29	ug/L	96
108)	n-Butylbenzene	12.304	91	193037	18.78	ug/L	97
109)	1,2-Dclbenz	12.310	146	120988	18.66	ug/L	99
110)	1,2-Dibromo-3-chloropr...	12.932	157	15415	14.31	ug/L	97
111)	Trielution Dichlorotol...	13.048	125	344272	58.60	ug/L	96
112)	1,3,5-Trichlorobenzene	13.103	180	95957	19.28	ug/L	97
113)	Coelution Dichlorotoluene	13.377	125	250771	38.20	ug/L	97
114)	1,2,4-Tcbenzene	13.584	180	93913	19.87	ug/L	97
115)	Hexachlorobt	13.725	225	35482	18.08	ug/L	96
116)	Naphthalen	13.773	128	261239	18.10	ug/L	98
117)	1,2,3-Tclbenzene	13.962	180	87652	17.96	ug/L	98
118)	2,4,5-Trichlorotoluene	14.548	159	71549	19.48	ug/L	98
119)	2,3,6-Trichlorotoluene	14.633	159	65181	19.56	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6084.D
Acq On : 18 Feb 2016 11:40 am
Operator : F. Naegler
Sample : LCS Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 18 11:54:57 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6084.D\data.ms

(19) Acetonitrile

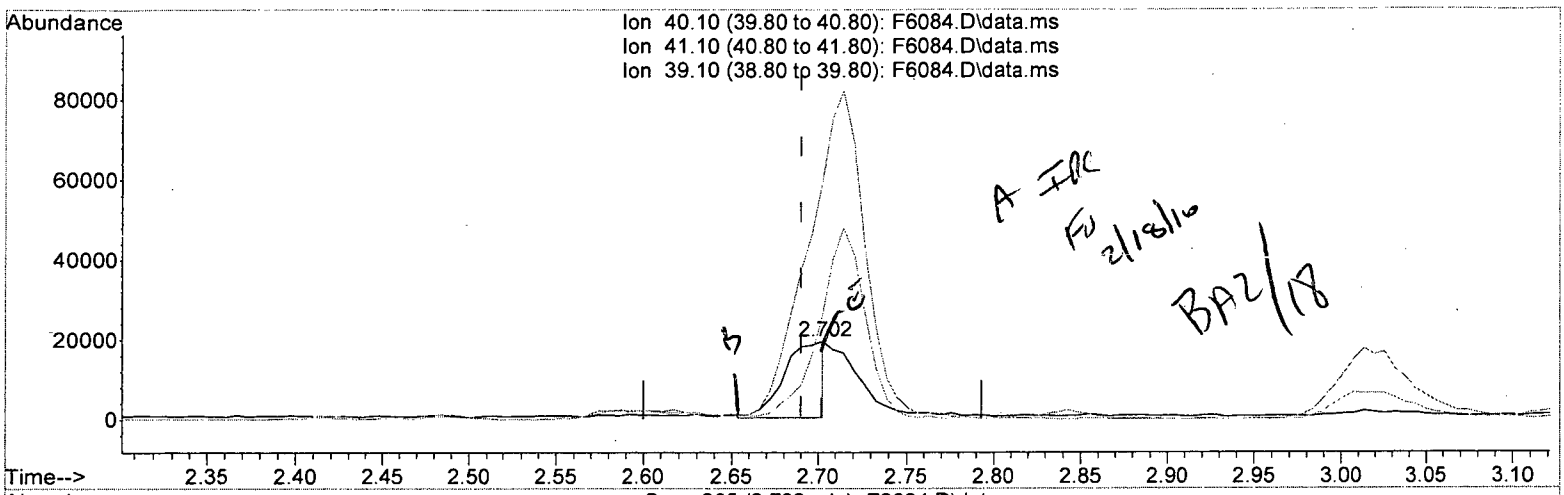
2.702min (+0.012) 106.38 ug/L

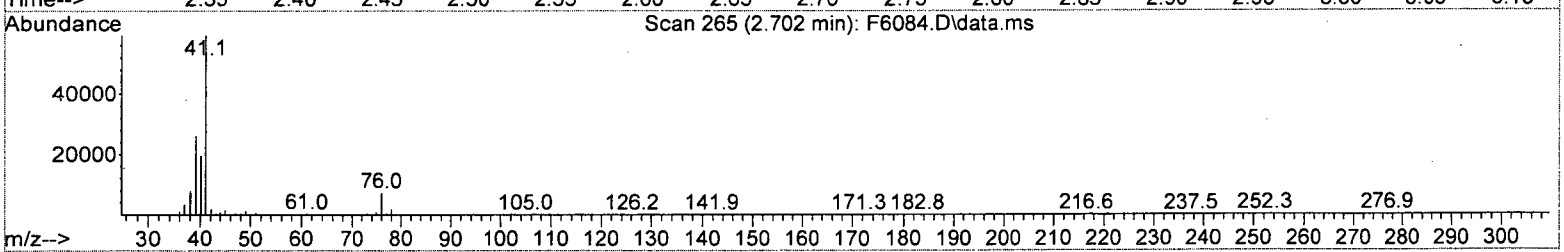
response 50745

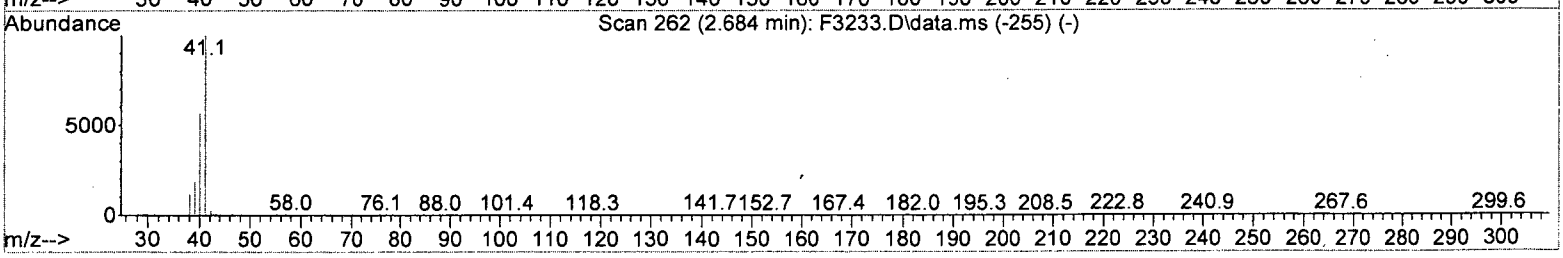
Ion	Exp%	Act%
40.10	100	100
41.10	176.40	302.45#
39.10	34.00	132.60#
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6084.D
Acq On : 18 Feb 2016 11:40 am
Operator : F. Naegler
Sample : LCS Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 18 11:54:57 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration







TIC: F6084.D\data.ms

(19) Acetonitrile

2.702min (+0.012) 65.90 ug/L m

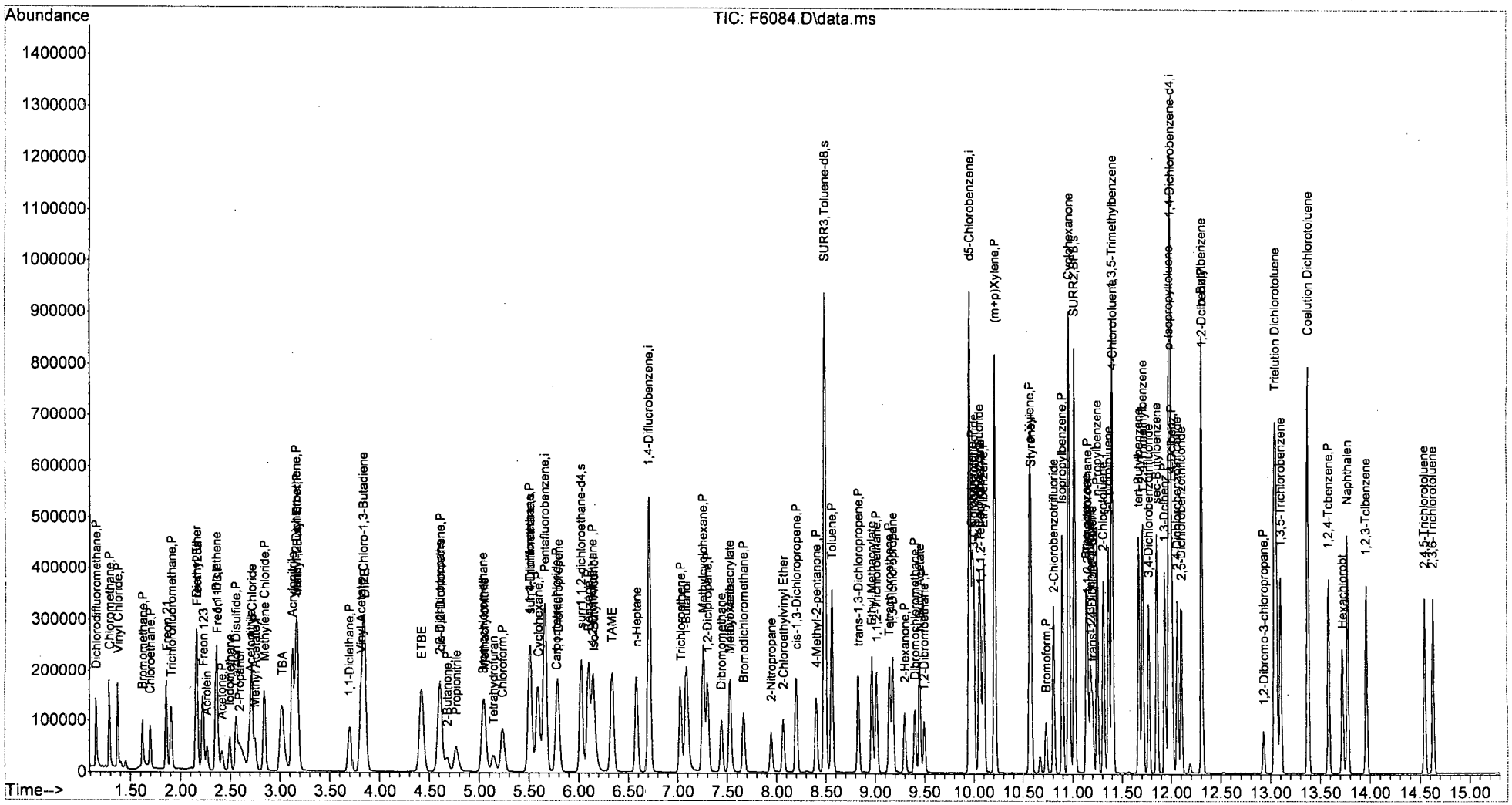
response 31433

Ion	Exp%	Act%
40.10	100	100
41.10	176.40	302.45#
39.10	34.00	132.60#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021816\
Data File : F6084.D
Acq On : 18 Feb 2016 11:40 am
Operator : F. Naegler
Sample : LCS Inst : MSVOA10
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 18 12:21:53 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6073.D
Acq On : 17 Feb 2016 8:30 pm
Operator : F. Naegler
Sample : R1601321-012MS|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 18 10:43:16 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

FJ 2/18/16

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.665	168	279845	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.714	114	399481	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.957	117	347724	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	193377	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.513	113	122988	50.06	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 100.12%				
46) surrl,1,2-dichloroetha...	6.025	65	156885	52.95	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 105.90%				
64) SURR3,Toluene-d8	8.488	98	474708	49.32	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.64%				
69) SURR2,BFB	11.018	95	184739	49.12	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.24%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	177667	53.32	ug/L		96
3) Chloromethane	1.288	50	254341	50.72	ug/L		99
4) Vinyl Chloride	1.373	62	226505	56.96	ug/L		91
5) Bromomethane	1.617	94	62176	36.76	ug/L		100
6) Chloroethane	1.696	64	117942	55.10	ug/L		95
7) Freon 21	1.861	67	240750	50.61	ug/L		97
8) Trichlorofluoromethane	1.910	101	180523	56.72	ug/L		98
9) Diethyl Ether	2.160	59	146543	50.32	ug/L		95
10) Freon 123a	2.166	67	148621	54.59	ug/L		98
11) Freon 123	2.227	83	149427	47.47	ug/L		97
12) Acrolein	2.269	56	62442	77.29	ug/L		96
13) 1,1-Diclethene	2.361	96	111103	50.11	ug/L		94
14) Freon 113	2.367	101	105370	51.05	ug/L		100
15) Acetone	2.416	43	78194	40.10	ug/L		95
16) 2-Propanol	2.587	45	339615	797.49	ug/L		100
17) Iodomethane	2.495	142	164456	52.52	ug/L		97
18) Carbon Disulfide	2.562	76	318666	48.53	ug/L		98
19) Acetonitrile	2.690	40	83899m	191.68	ug/L		
20) Allyl Chloride	2.715	76	61548	51.81	ug/L		98
21) Methyl Acetate	2.751	43	136588	32.05	ug/L		94
22) Methylene Chloride	2.843	84	125326	45.26	ug/L	#	85
23) TBA	3.013	59	544706	920.78	ug/L		90
24) Acrylonitrile	3.123	53	439744	232.36	ug/L		97
25) Methyl-t-Butyl Ether	3.178	73	402146	45.33	ug/L		99
26) trans-1,2-Dichloroethene	3.160	96	122018	51.32	ug/L		99
27) 1,1-Diclethane	3.702	63	256574	54.49	ug/L		98
28) Vinyl Acetate	3.812	86	24159	40.69	ug/L	#	86
29) DIPE	3.848	45	588029	49.06	ug/L		97
30) 2-Chloro-1,3-Butadiene	3.836	53	265845	47.71	ug/L		91
31) ETBE	4.422	59	493540	47.99	ug/L		98
32) 2,2-Dichloropropane	4.604	77	147990	41.52	ug/L		97
33) cis-1,2-Dichloroethene	4.611	96	141893	51.23	ug/L		97
34) 2-Butanone	4.678	43	118106	40.78	ug/L		99
35) Propionitrile	4.763	54	181413	226.79	ug/L		99

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6073.D
Acq On : 17 Feb 2016 8:30 pm
Operator : F. Naegler
Sample : R1601321-012MS|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 18 10:43:16 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Bromochloromethane	5.037	130	87235	48.68	ug/L	#	88
37) Methacrylonitrile	5.056	67	73502	45.70	ug/L	#	79
38) Tetrahydrofuran	5.141	42	77350	46.59	ug/L		83
39) Chloroform	5.232	83	209441	48.01	ug/L		98
40) 1,1,1-Trichloroethane	5.513	97	181531	52.22	ug/L		93
42) Cyclohexane	5.592	41	149107	47.33	ug/L		99
44) Carbontetrachloride	5.781	121	47604	52.25	ug/L		93
45) 1,1-Dichloropropene	5.793	75	171447	55.91	ug/L		98
47) Benzene	6.104	78	494384	49.78	ug/L		98
48) 1,2-Dichloroethane	6.141	62	206225	52.63	ug/L		96
49) Iso-Butyl Alcohol	6.153	43	270139	848.14	ug/L		97
50) TAME	6.342	73	371005	43.43	ug/L		93
51) n-Heptane	6.586	43	202266	47.40	ug/L		91
52) 1-Butanol	7.086	56	431583	2365.47	ug/L		83
53) Trichloroethene	7.031	130	139217	51.92	ug/L		99
54) Methylcyclohexane	7.256	55	193506	49.01	ug/L		100
55) 1,2-Diclpropane	7.305	63	156562	53.90	ug/L		97
56) Dibromomethane	7.439	93	78418	47.56	ug/L		95
57) 1,4-Dioxane	7.518	88	51651	912.68	ug/L		89
58) Methyl Methacrylate	7.531	69	108716	43.05	ug/L	#	85
59) Bromodichloromethane	7.665	83	150615	45.61	ug/L		97
60) 2-Nitropropane	7.945	41	97004	77.41	ug/L		98
61) 2-Chloroethylvinyl Ether	8.006	63	823	0.44	ug/L	#	58
62) cis-1,3-Dichloropropene	8.201	75	192572	43.90	ug/L		95
63) 4-Methyl-2-pentanone	8.402	43	236396	46.07	ug/L		92
65) Toluene	8.561	91	523724	49.74	ug/L		100
66) trans-1,3-Dichloropropene	8.829	75	177492	44.61	ug/L		96
67) Ethyl Methacrylate	8.963	69	194564	44.25	ug/L		94
68) 1,1,2-Trichloroethane	9.012	97	114984	45.76	ug/L		94
71) Tetrachloroethene	9.146	164	163558	80.95	ug/L		96
72) 2-Hexanone	9.299	43	166684	43.19	ug/L		88
73) 1,3-Dichloropropane	9.177	76	201792	47.35	ug/L		94
74) Dibromochloromethane	9.402	129	121812	44.96	ug/L		97
75) N-Butyl Acetate	9.451	43	268374	36.66	ug/L		91
76) 1,2-Dibromoethane	9.494	107	125462	47.15	ug/L		95
77) 3-Chlorobenzotrifluoride	10.000	180	198093	47.72	ug/L		96
78) Chlorobenzene	9.981	112	353899	49.65	ug/L		95
79) 4-Chlorobenzotrifluoride	10.055	180	177746	47.56	ug/L		96
80) 1,1,1,2-Tetrachloroethane	10.067	131	122378	47.34	ug/L		95
81) Ethylbenzene	10.103	106	183618	50.18	ug/L		99
82) (m+p)Xylene	10.213	106	457908	99.06	ug/L		96
83) o-Xylene	10.567	106	225393	47.06	ug/L		96
84) Styrene	10.579	104	376737	46.33	ug/L		98
85) Bromoform	10.731	173	86155	43.16	ug/L		94
86) 2-Chlorobenzotrifluoride	10.804	180	194787	47.27	ug/L		97
87) Isopropylbenzene	10.896	105	582715	48.27	ug/L		99
88) Cyclohexanone	10.963	55	207987	282.30	ug/L		86
89) trans-1,4-Dichloro-2-B...	11.201	53	60902	42.32	ug/L		85
91) 1,1,2,2-Tetrachloroethane	11.152	83	164204	43.58	ug/L		96
92) Bromobenzene	11.140	156	151270	47.54	ug/L		98
93) 1,2,3-Trichloropropane	11.182	110	52680	42.93	ug/L	#	87

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6073.D
Acq On : 17 Feb 2016 8:30 pm
Operator : F. Naegler
Sample : R1601321-012MS|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 18 10:43:16 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

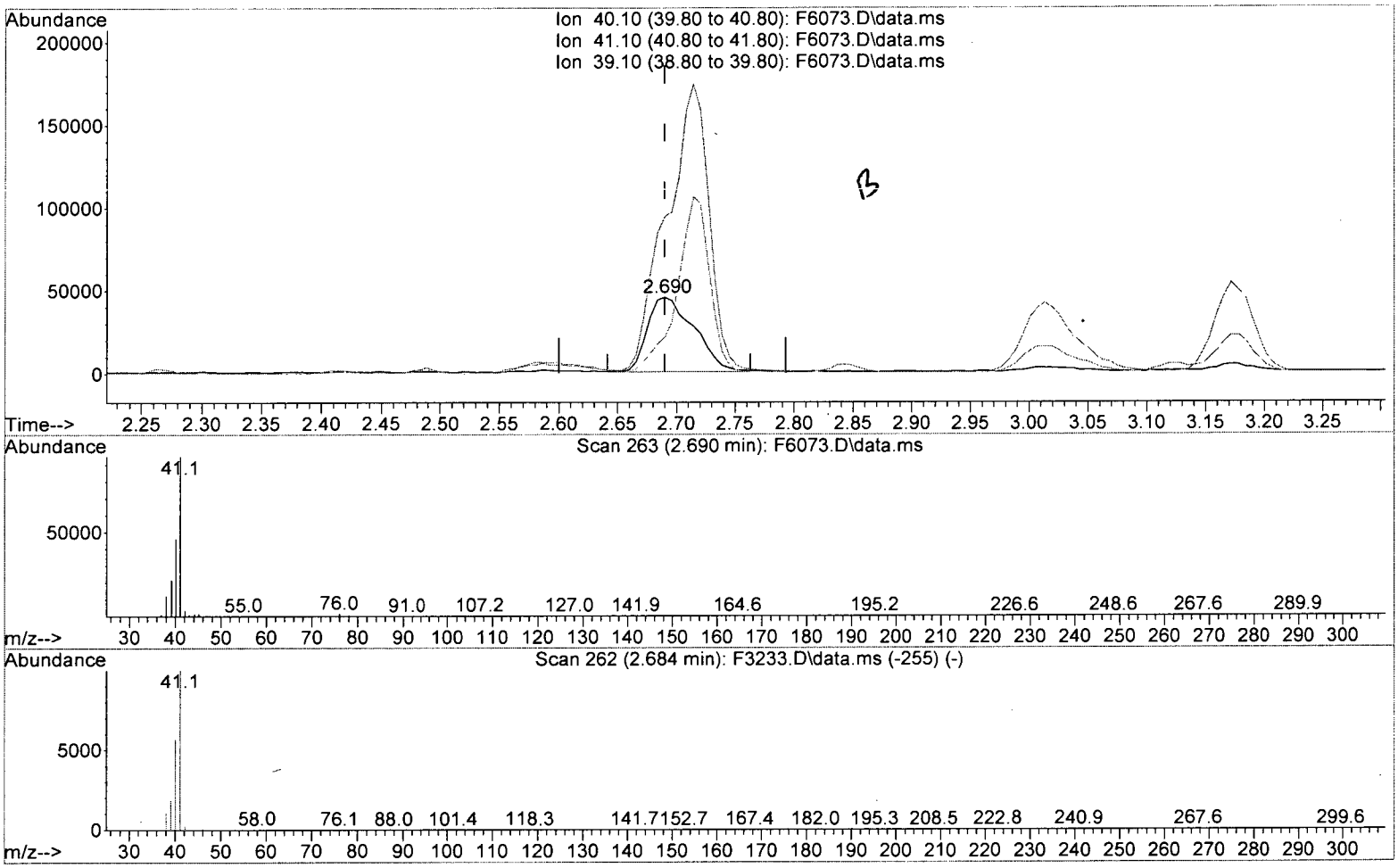
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
94)	n-Propylbenzene	11.249	91	680793	47.67 ug/L	99
95)	2-Chlorotoluene	11.310	91	401413	48.06 ug/L	99
96)	3-Chlorotoluene	11.365	91	402953	44.49 ug/L	99
97)	4-Chlorotoluene	11.402	91	462942	48.13 ug/L	94
98)	1,3,5-Trimethylbenzene	11.402	105	489143	48.30 ug/L	100
99)	tert-Butylbenzene	11.670	119	431349	49.26 ug/L	97
100)	1,2,4-Trimethylbenzene	11.713	105	487673	46.56 ug/L	94
101)	3,4-Dichlorobenzotrifl...	11.774	214	141749	41.77 ug/L	98
102)	sec-Butylbenzene	11.853	105	616707	47.84 ug/L	98
103)	p-Isopropyltoluene	11.975	119	537138	51.58 ug/L	98
104)	1,3-Dclbenz	11.932	146	289184	47.79 ug/L	96
105)	1,4-Dclbenz	12.005	146	291417	46.12 ug/L	98
106)	2,4-Dichlorobenzotrifl...	12.060	214	130111	42.37 ug/L	98
107)	2,5-Dichlorobenzotrifl...	12.103	214	147215	42.53 ug/L	95
108)	n-Butylbenzene	12.304	91	471714	49.15 ug/L	99
109)	1,2-Dclbenz	12.310	146	285268	47.13 ug/L	98
110)	1,2-Dibromo-3-chloropr...	12.932	157	40783	40.54 ug/L	98
111)	Trielution Dichlorotol...	13.048	125	795185	144.98 ug/L	95
112)	1,3,5-Trichlorobenzene	13.103	180	221757	47.73 ug/L	98
113)	Coelution Dichlorotoluene	13.377	125	585505	95.53 ug/L	97
114)	1,2,4-Tcbenzene	13.584	180	217696	49.35 ug/L	97
115)	Hexachlorobt	13.718	225	88564	48.35 ug/L	97
116)	Naphthalen	13.773	128	648070	48.11 ug/L	98
117)	1,2,3-Tclbenzene	13.962	180	215702	47.33 ug/L	99
118)	2,4,5-Trichlorotoluene	14.548	159	159668	46.57 ug/L	98
119)	2,3,6-Trichlorotoluene	14.633	159	149098	47.92 ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6073.D
Acq On : 17 Feb 2016 8:30 pm
Operator : F. Naegler
Sample : R1601321-012MS|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 17 20:44:36 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6073.D\data.ms

(19) Acetonitrile

2.690min (+0.000) 281.22 ug/L

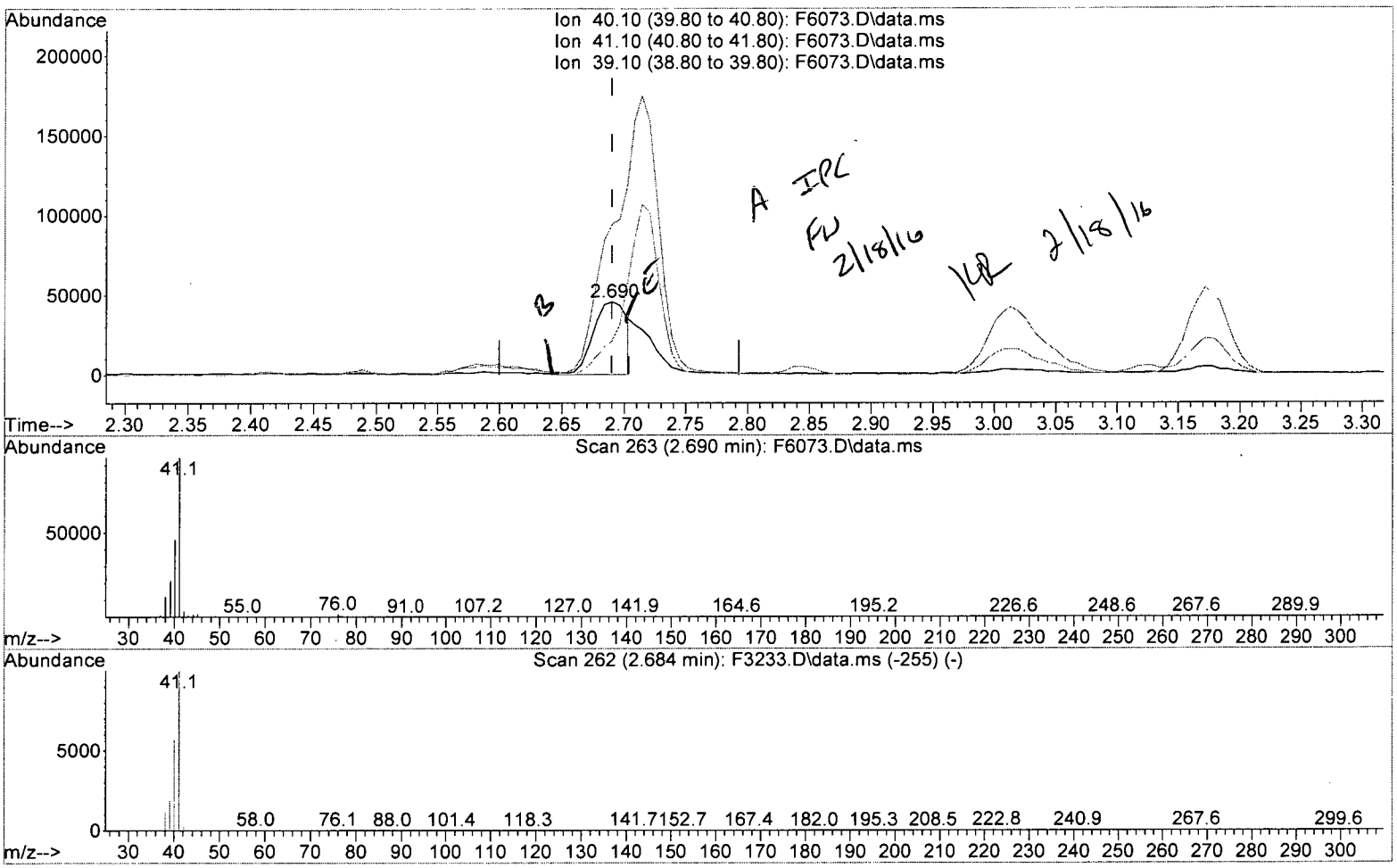
response 123091

Ion	Exp%	Act%
40.10	100	100
41.10	176.40	206.36#
39.10	34.00	47.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6073.D
Acq On : 17 Feb 2016 8:30 pm
Operator : F. Naegler
Sample : R1601321-012MS|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 17 20:44:36 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6073.D\data.ms

(19) Acetonitrile

2.690min (+0.000) 191.68 ug/L m

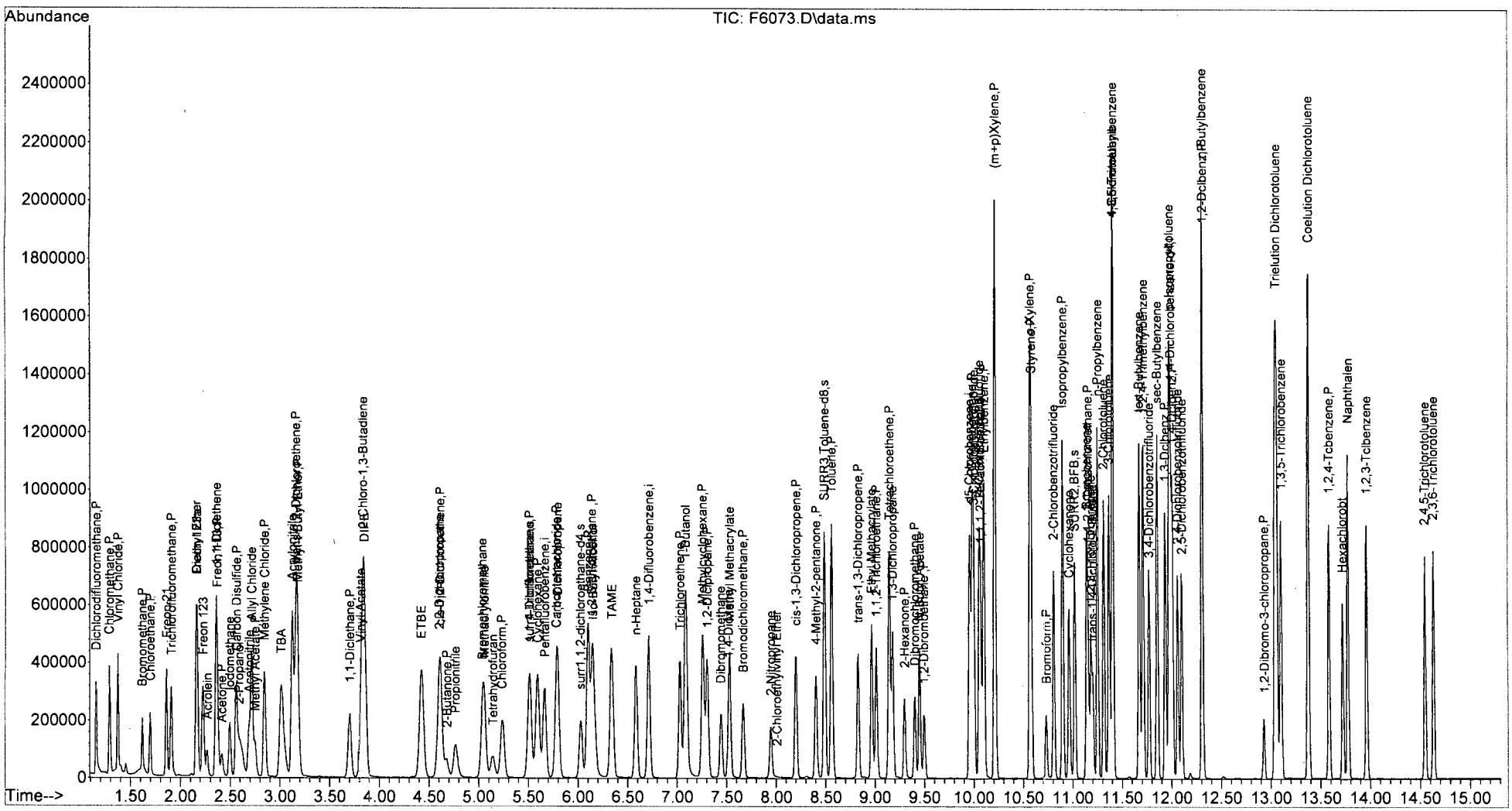
response 83899

Ion	Exp%	Act%
40.10	100	100
41.10	176.40	206.36#
39.10	34.00	47.10
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6073.D
Acq On : 17 Feb 2016 8:30 pm
Operator : F. Naegler
Sample : R1601321-012MS|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 18 10:43:16 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6074.D
Acq On : 17 Feb 2016 8:54 pm
Operator : F. Naegler
Sample : R1601321-012DMS|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 18 10:45:12 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

FJ 2/18/16

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.665	168	272528	50.00	ug/L		0.00
41) 1,4-Difluorobenzene	6.714	114	397725	50.00	ug/L		0.00
70) d5-Chlorobenzene	9.957	117	344632	50.00	ug/L		0.00
90) 1,4-Dichlorobenzene-d4	11.987	152	188306	50.00	ug/L		0.00
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.513	113	120459	49.25	ug/L		0.00
Spiked Amount 50.000	Range 89 - 119		Recovery = 98.50%				
46) surr1,1,2-dichloroetha...	6.025	65	154398	52.34	ug/L		0.00
Spiked Amount 50.000	Range 73 - 125		Recovery = 104.68%				
64) SURR3,Toluene-d8	8.488	98	470258	49.07	ug/L		0.00
Spiked Amount 50.000	Range 87 - 121		Recovery = 98.14%				
69) SURR2,BFB	11.018	95	185211	49.46	ug/L		0.00
Spiked Amount 50.000	Range 85 - 122		Recovery = 98.92%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.154	85	182939	56.37	ug/L		96
3) Chloromethane	1.288	50	261236	53.49	ug/L		100
4) Vinyl Chloride	1.373	62	233749	60.36	ug/L		90
5) Bromomethane	1.617	94	61361	37.31	ug/L		93
6) Chloroethane	1.697	64	120775	57.94	ug/L		95
7) Freon 21	1.861	67	268332	57.93	ug/L		100
8) Trichlorofluoromethane	1.904	101	182546	58.90	ug/L		97
9) Diethyl Ether	2.160	59	150000	52.89	ug/L		92
10) Freon 123a	2.166	67	165142	62.04	ug/L		97
11) Freon 123	2.227	83	163887	53.47	ug/L		96
12) Acrolein	2.264	56	61678	78.39	ug/L		96
13) 1,1-Diclethene	2.361	96	113953	52.78	ug/L		91
14) Freon 113	2.367	101	108973	54.21	ug/L		97
15) Acetone	2.410	43	81899	43.13	ug/L		97
16) 2-Propanol	2.581	45	393967	949.95	ug/L		100
17) Iodomethane	2.495	142	175276	57.01	ug/L		98
18) Carbon Disulfide	2.556	76	330411	51.67	ug/L		99
19) Acetonitrile	2.684	40	102832m	241.24	ug/L		
20) Allyl Chloride	2.715	76	62885	54.36	ug/L	#	90
21) Methyl Acetate	2.751	43	152603	36.77	ug/L		95
22) Methylene Chloride	2.843	84	123145	45.66	ug/L		91
23) TBA	3.007	59	566157	982.73	ug/L		90
24) Acrylonitrile	3.123	53	448301	243.24	ug/L		97
25) Methyl-t-Butyl Ether	3.172	73	414999	48.03	ug/L		97
26) trans-1,2-Dichloroethene	3.160	96	122903	53.08	ug/L		95
27) 1,1-Diclethane	3.696	63	263841	57.53	ug/L		96
28) Vinyl Acetate	3.812	86	24315	42.05	ug/L	#	93
29) DIPE	3.849	45	587030	50.29	ug/L		97
30) 2-Chloro-1,3-Butadiene	3.836	53	270732	49.90	ug/L		93
31) ETBE	4.428	59	494021	49.33	ug/L		98
32) 2,2-Dichloropropane	4.598	77	151505	43.64	ug/L		96
33) cis-1,2-Dichloroethene	4.617	96	146198	54.20	ug/L		99
34) 2-Butanone	4.672	43	120274	42.65	ug/L		98
35) Propionitrile	4.763	54	184896	237.36	ug/L		95

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6074.D
Acq On : 17 Feb 2016 8:54 pm
Operator : F. Naegler
Sample : R1601321-012DMS|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 18 10:45:12 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Bromochloromethane	5.043	130	88805	50.89	ug/L	#	89
37) Methacrylonitrile	5.056	67	74864	47.79	ug/L	#	81
38) Tetrahydrofuran	5.135	42	77764	48.09	ug/L		86
39) Chloroform	5.239	83	213109	50.16	ug/L		99
40) 1,1,1-Trichloroethane	5.507	97	184629	54.53	ug/L		96
42) Cyclohexane	5.592	41	164321	52.39	ug/L		97
44) Carbontetrachloride	5.781	121	48748	53.74	ug/L		100
45) 1,1-Dichloropropene	5.793	75	174043	57.00	ug/L		99
47) Benzene	6.098	78	505005	51.07	ug/L		98
48) 1,2-Dichloroethane	6.141	62	205072	52.57	ug/L		98
49) Iso-Butyl Alcohol	6.153	43	279390	881.06	ug/L		99
50) TAME	6.342	73	375357	44.13	ug/L		95
51) n-Heptane	6.580	43	209069	49.21	ug/L		90
52) 1-Butanol	7.080	56	454780	2503.62	ug/L		85
53) Trichloroethene	7.031	130	142457	53.37	ug/L		98
54) Methylcyclohexane	7.256	55	214572	54.58	ug/L		99
55) 1,2-Diclpropane	7.305	63	158298	54.74	ug/L		98
56) Dibromomethane	7.439	93	80125	48.81	ug/L		95
57) 1,4-Dioxane	7.513	88	55251	980.60	ug/L		99
58) Methyl Methacrylate	7.531	69	113216	45.03	ug/L	#	86
59) Bromodichloromethane	7.665	83	155064	47.17	ug/L		96
60) 2-Nitropropane	7.945	41	103486	82.95	ug/L		96
61) 2-Chloroethylvinyl Ether	8.000	63	827	0.44	ug/L	#	50
62) cis-1,3-Dichloropropene	8.195	75	199528	45.69	ug/L		98
63) 4-Methyl-2-pentanone	8.403	43	240080	46.99	ug/L		91
65) Toluene	8.561	91	531136	50.67	ug/L		99
66) trans-1,3-Dichloropropene	8.829	75	179922	45.42	ug/L		98
67) Ethyl Methacrylate	8.963	69	199028	45.47	ug/L		91
68) 1,1,2-Trichloroethane	9.012	97	117708	47.05	ug/L		94
71) Tetrachloroethene	9.146	164	168178	83.98	ug/L		95
72) 2-Hexanone	9.299	43	173311	45.31	ug/L		88
73) 1,3-Dichloropropane	9.177	76	203968	48.29	ug/L		94
74) Dibromochloromethane	9.402	129	127290	47.40	ug/L		99
75) N-Butyl Acetate	9.451	43	298974	41.21	ug/L		92
76) 1,2-Dibromoethane	9.494	107	126919	48.12	ug/L		98
77) 3-Chlorobenzotrifluoride	10.000	180	209270	50.87	ug/L		95
78) Chlorobenzene	9.982	112	359795	50.93	ug/L		93
79) 4-Chlorobenzotrifluoride	10.055	180	183893	49.65	ug/L		98
80) 1,1,1,2-Tetrachloroethane	10.067	131	126714	49.45	ug/L		98
81) Ethylbenzene	10.103	106	190906	52.64	ug/L		94
82) (m+p)Xylene	10.213	106	471570	102.93	ug/L		96
83) o-Xylene	10.567	106	231742	48.82	ug/L		94
84) Styrene	10.579	104	387167	48.04	ug/L		98
85) Bromoform	10.731	173	87965	44.46	ug/L		99
86) 2-Chlorobenzotrifluoride	10.805	180	208779	51.12	ug/L		97
87) Isopropylbenzene	10.896	105	592620	49.54	ug/L		99
88) Cyclohexanone	10.957	55	222958	305.34	ug/L		88
89) trans-1,4-Dichloro-2-B...	11.201	53	60924	42.71	ug/L		89
91) 1,1,2,2-Tetrachloroethane	11.152	83	170701	46.52	ug/L		94
92) Bromobenzene	11.140	156	156856	50.62	ug/L		98
93) 1,2,3-Trichloropropane	11.182	110	53492	44.77	ug/L	#	86

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6074.D
Acq On : 17 Feb 2016 8:54 pm
Operator : F. Naegler
Sample : R1601321-012DMS|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 18 10:45:12 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration

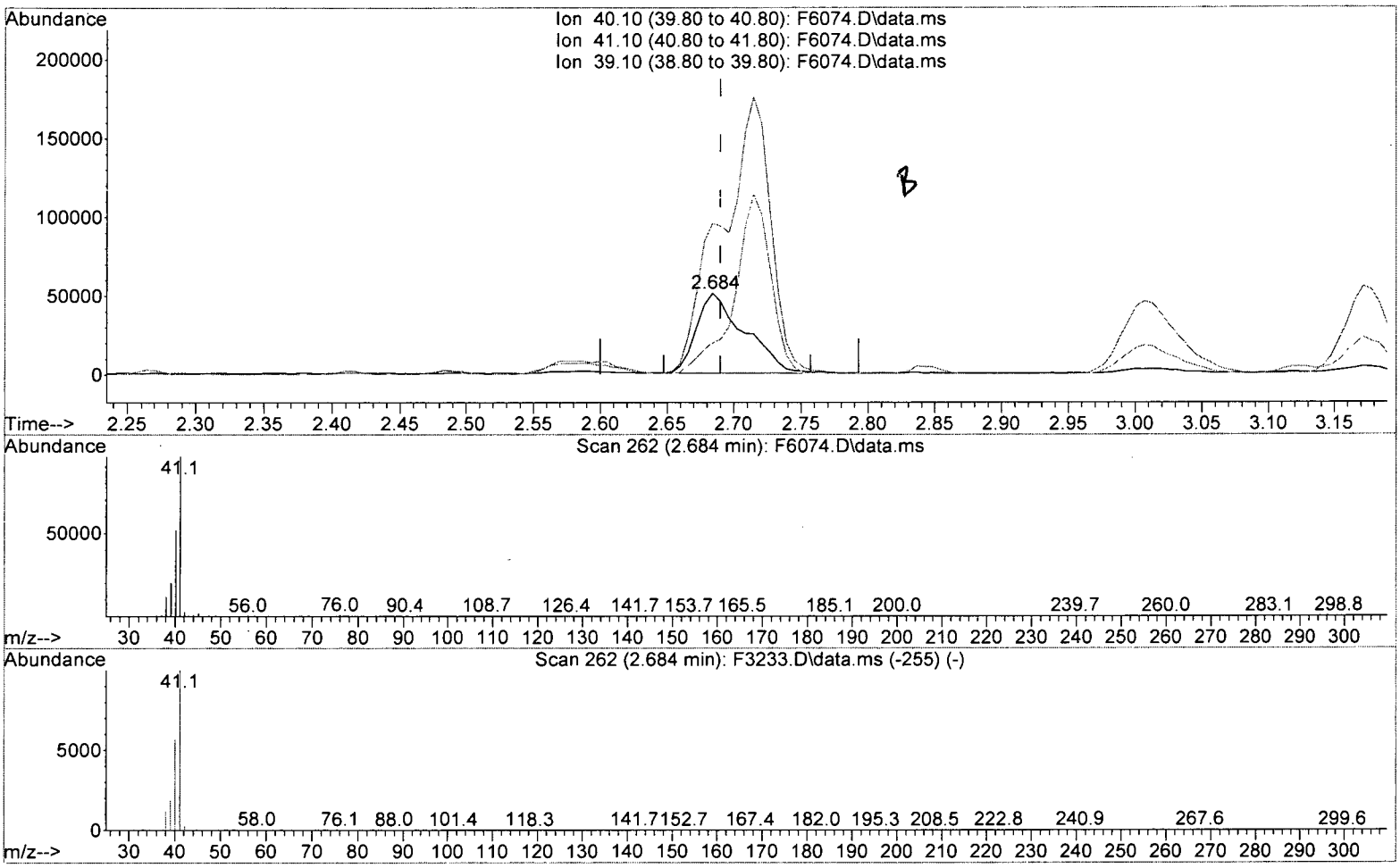
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
94)	n-Propylbenzene	11.250	91	702226	50.50 ug/L	100
95)	2-Chlorotoluene	11.311	91	409239	50.32 ug/L	99
96)	3-Chlorotoluene	11.365	91	430125	48.77 ug/L	99
97)	4-Chlorotoluene	11.402	91	470864	50.27 ug/L	95
98)	1,3,5-Trimethylbenzene	11.402	105	497532	50.45 ug/L	99
99)	tert-Butylbenzene	11.670	119	447281	52.45 ug/L	98
100)	1,2,4-Trimethylbenzene	11.707	105	506273	49.64 ug/L	100
101)	3,4-Dichlorobenzotrifl...	11.774	214	153966	46.59 ug/L	97
102)	sec-Butylbenzene	11.853	105	628721	50.09 ug/L	99
103)	p-Isopropyltoluene	11.975	119	560849	55.31 ug/L	98
104)	1,3-Dclbenz	11.932	146	295164	50.10 ug/L	97
105)	1,4-Dclbenz	12.006	146	303743	49.36 ug/L	98
106)	2,4-Dichlorobenzotrifl...	12.060	214	140095	46.85 ug/L	94
107)	2,5-Dichlorobenzotrifl...	12.103	214	162587	48.24 ug/L	96
108)	n-Butylbenzene	12.304	91	494355	52.90 ug/L	98
109)	1,2-Dclbenz	12.310	146	299831	50.87 ug/L	98
110)	1,2-Dibromo-3-chloropr...	12.932	157	44292	45.22 ug/L	97
111)	Trielution Dichlorotol...	13.048	125	857804	160.61 ug/L	98
112)	1,3,5-Trichlorobenzene	13.103	180	241768	53.44 ug/L	100
113)	Coelution Dichlorotoluene	13.377	125	639584	107.16 ug/L	98
114)	1,2,4-Tcbenzene	13.584	180	233274	54.30 ug/L	100
115)	Hexachlorobt	13.725	225	95415	53.49 ug/L	95
116)	Naphthalen	13.773	128	685191	52.23 ug/L	97
117)	1,2,3-Tclbenzene	13.962	180	228888	51.58 ug/L	99
118)	2,4,5-Trichlorotoluene	14.548	159	175808	52.66 ug/L	98
119)	2,3,6-Trichlorotoluene	14.633	159	163187	53.86 ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6074.D
Acq On : 17 Feb 2016 8:54 pm
Operator : F. Naegler
Sample : R1601321-012DMS|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 17 21:08:38 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6074.D\data.ms

(19) Acetonitrile

2.684min (-0.006) 294.15 ug/L

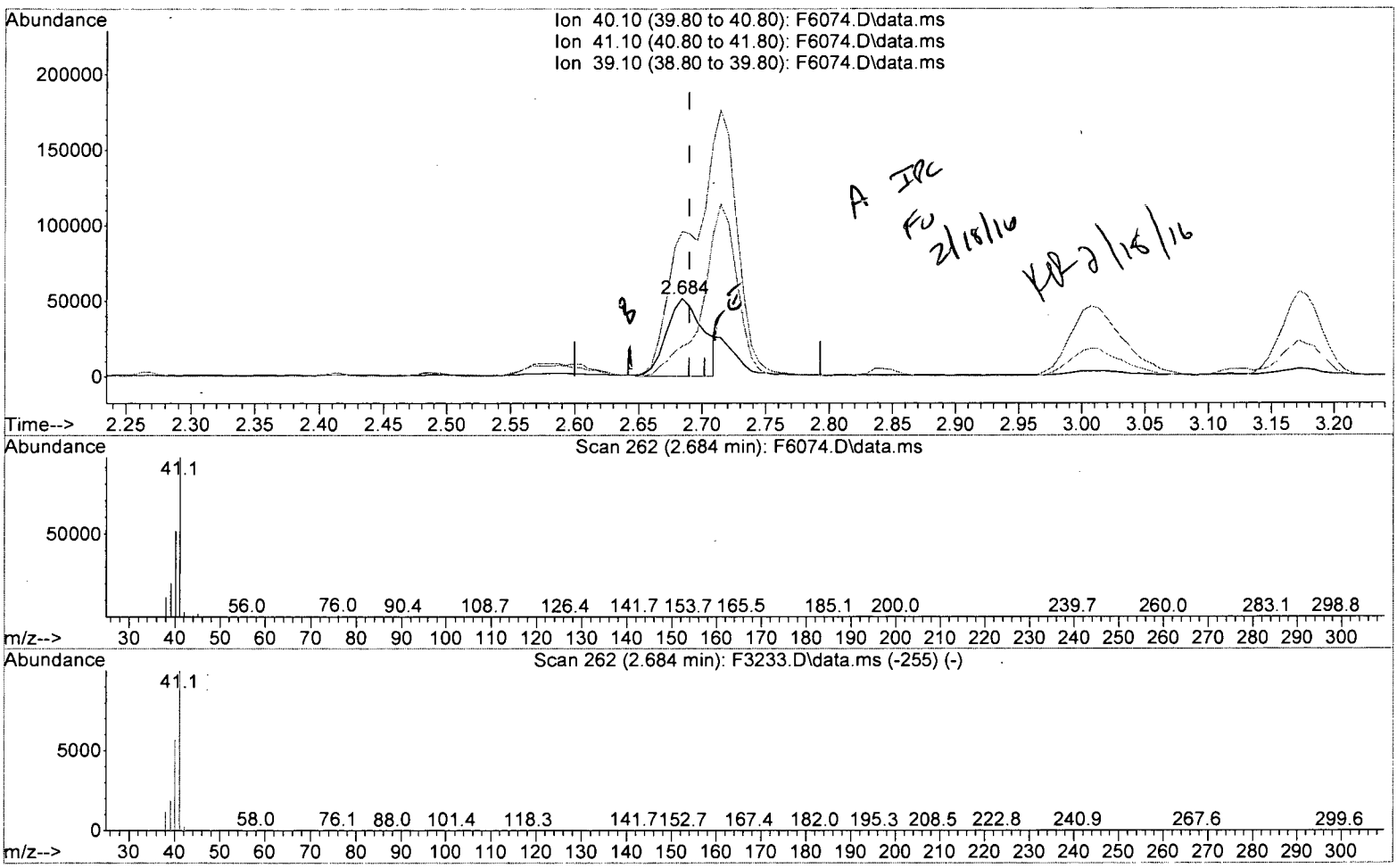
response 125388

Ion	Exp%	Act%
40.10	100	100
41.10	176.40	185.85
39.10	34.00	38.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6074.D
Acq On : 17 Feb 2016 8:54 pm
Operator : F. Naegler
Sample : R1601321-012DMS|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 17 21:08:38 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



TIC: F6074.D\data.ms

(19) Acetonitrile

2.684min (-0.006) 241.24 ug/L m

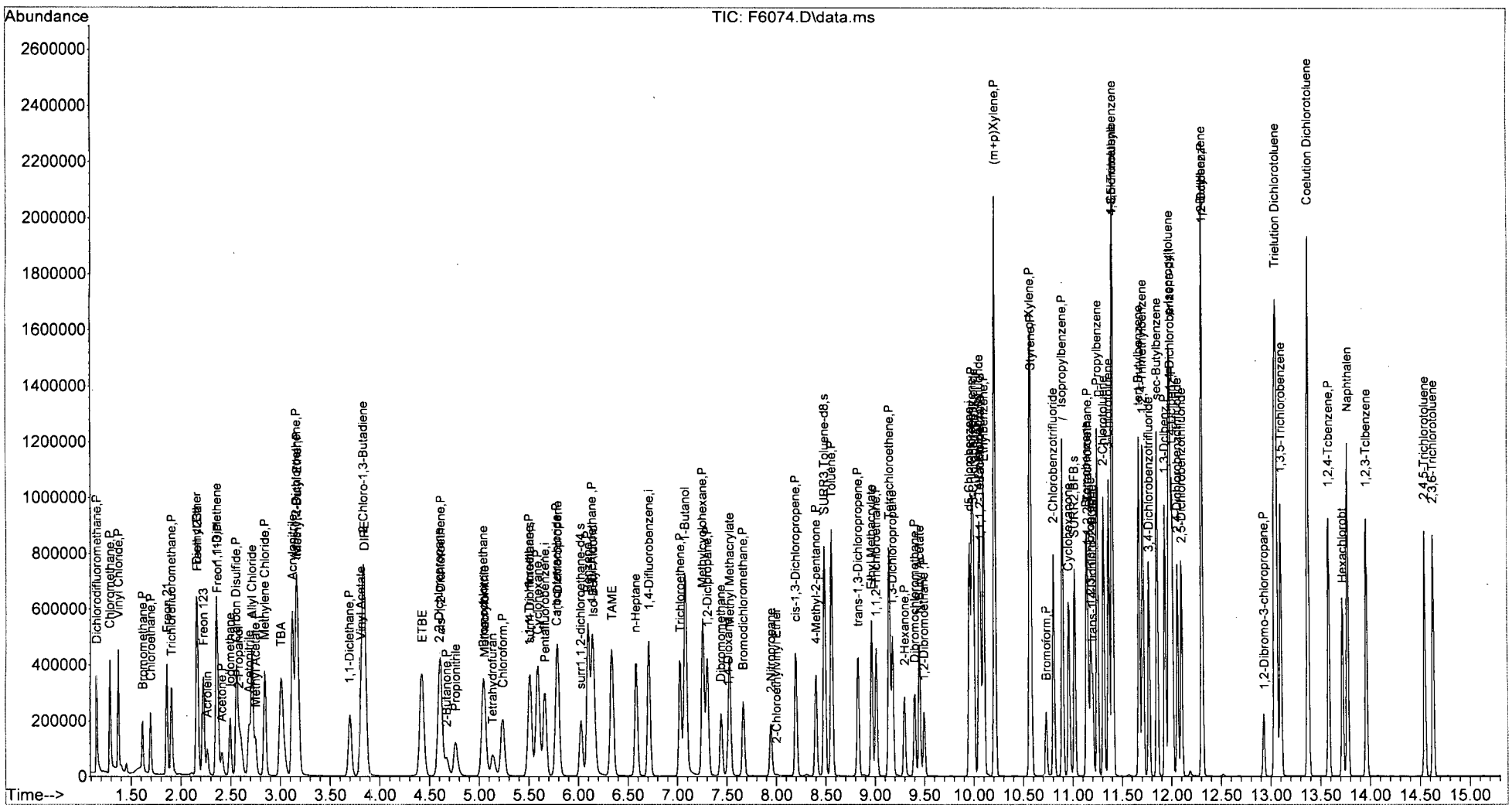
response 102832

Ion	Exp%	Act%
40.10	100	100
41.10	176.40	185.85
39.10	34.00	38.88
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\msvoa10\data\021716\
Data File : F6074.D
Acq On : 17 Feb 2016 8:54 pm
Operator : F. Naegler
Sample : R1601321-012DMS|1.0 Inst : MSVOA10
Misc : EAE 8997 T4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 18 10:45:12 2016
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W020316.M
Quant Title : MS#10 - 8260B WATERS 10mL Purge
QLast Update : Fri Feb 05 11:39:51 2016
Response via : Initial Calibration



Analysis: 8260C | Analyst: F. Naegler | Tune Method: —

Date: 2/3/16 | Data Path: j:\acqudata\msvoa 65\ 020316 | Run Method: W020316.M

Instr. MS #10 | LIMS Run# : —

Pos.	Sample	Diln.	Diln. Prep.	Client	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK								F5848	Y	
2	BLK								49	Y	
1	TUNE								50	Y	
1	ICAL BLK								51	Y	
2	0.5 ppb Std								52	Y	
3	1.0 ppb Std								53	Y	
4	2.0		ATOMIX ADD						54	Y	
5	5.0		+ 1mL SURR						55	Y	
6	20		+ 2mL (Not used)						56	Y	
7	50		+2mL						57	Y	
8	100		+5mL						58	Y	
9	150		+10mL						59	Y	
10	200		+20mL						60	Y	
11	BLK								61	Y	
12	BLK								62	Y	
13	50 ppb ICV								63	Y	
14	BLK								64	Y	
15	BLK								65	Y	

WATER ICAL TABLE

CONC (PPB)	0.5	1.0	2.0	5.0	20	50	100	150	200
1° T|G = 87763	10mL/1mL 5mL/5mL	10mL/5mL	20mL/5mL	50mL/5mL	2mL/5mL	5mL/50mL	10mL/5mL	15mL/5mL	20mL/5mL
1° HSL = 87721	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° Fr = 87802	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° HBO = 87833	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° OCC = 87656	↓	↓	↓	↓	↓	↓	↓	↓	↓

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

Primary SEE TABLE ABOVE
Primary ↓
Primary ↓
Primary ↓
Primary ↓

Fr Secondary 200 : 87775 – 12.5uL
T/G Secondary 200 : ~~87769~~ 87804 – 5uL
HSL Secondary ↓ : 87727 –
HBO Secondary ↓ : 87835 –
OCC Secondary ↓ : 87657 – ↓

50mL (ICV)

Combined IS/Surr —
Surrogate 50 : 87770
Internal Std 50 : 87769

Analysis: 8260C	Analyst: F. Nagler		Tune Method: W020316.M		
Date: 2/17/16	Data Path: j:\acqudata\msvoa1o\021716		Run Method: ↓		
Instr. MS#10			LIMS Run#: 484304		

Pos.	Sample	Diln.	Diln. Prep.	Client	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK								F6047	Y	
2	BLK								48	Y	
1	TUNE								49	Y	
1	CCV								50	Y	
2	LCS								51	Y	
3	MBLK								52	(N)	
4	MBLK								53	Y	RQ1601789-01
5	R1600446-001	1.0	P.E.	Phenova	6776	1	–	–	54	Y	
6	BLK								55	Y	
7	R1601025-007	1.0		Oneida	6813	4	2	<2	56	Y	
8	↓ -005	1.0		↓	↓	↓	2	<2	57	Y	
9	R1601060-001	1.0		ARC	132467	2	2	<2	58	Y	
10	R1601156-004	50.0	1/50mL	ARC	67167	2	2	<2	59	Y	DL
11	BLK								60	Y	
12	R1601321-005	1.0		EAE	8997	4	1	<2	61	Y	
13	-004	1.0					1	<2	62	Y	
14	-001	1.0					1	<2	63	Y	
15	-002	1.0					1	<2	64	Y	
16	-003	1.0					1	<2	65	Y	
17	-006	1.0					1	<2	66	Y	
18	-007	1.0					1	<2	67	Y	
19	-008	1.0					1	<2	68	Y	
20	-009	1.0					1	<2	69	Y	
21	-010	1.0					1	<2	70	Y	
22	-011	1.0					1	(6)	71	Y	
23	-012	1.0					1	<2	72	Y	
24	-012MS	1.0					2	<2	73	Y	
25	↓ -012MSD	1.0		↓	↓	↓	3	<2	74	Y	
26	BLK								75	Y	
27	↓								76	Y	
28									77	Y	
29	↓								↓ 78	Y	

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

T/G Primary 500 : 87763 - 5uL | 50mL
HSL Primary : 88051 -
Fr Primary : 87802 -
HBO Primary : 87833 -
OCC Primary : 87656 - (CCV)

Fr Secondary 200 : 87775 - 5uL
T/G Secondary 500 : 88052 - 2uL
HSL Secondary : 87727 -
HBO Secondary : 87835 -
OCC Secondary : 88026 - (LCS) 50mL

-12-2uL
-5uL
(SPK) 50mL

Combined IS/Surr – : –
Surrogate 50 : 87770
Internal Std 50 : 87769

Analysis: 8260C | Analyst: F. Nagler | Tune Method: W020316.M

Date: 2/18/16 | Data Path: j:\acqudata\msvoa2\021816 | Run Method: ↓

Instr. MS #10 | LIMS Run#: ML-484538 | 484541

Pos.	Sample	Diln.	Diln. Prep.	Client	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK								F6080	Y	
2	BLK								81	Y	
3	TUNE								82	Y	
1	CCV								83	Y	ML
2	LCS								84	Y	
3	MBLK								85	N	FR MNP
4	MED BLK	50.0							86	Y	RL2 1601848-01 / -05 / 849-01
5	MBLK								87	Y	
6	R1601342-001	20,000	25mL/5mL	Global	10775	2	—	—	88	Y	foamy!
7	BLK								89	Y	
8	R1601098-011	10,000	50mL/5mL	Momentive	14073	2	—	—	90	Y	foamy!
9	-010	1250	100mL/5mL		14078		—	—	91	N	Rpt 1/50
10	-010	125.0	1/5mL				—	—	92	Y	
11	-013	125.0	↓				—	—	93	Y	
12	BLK								94	Y	
13	R1601321-013	1.0		EAE	8997	4	1	<2	95	Y	
14	-014	1.0					1	<2	96	Y	
15	-015	1.0					1	<2	97	Y	
16	-016	1.0					1	<2	98	Y	
17	-017	1.0					1	<2	99	Y	
18	-018	1.0					1	<2	F6100	Y	
19	-019	1.0					1	<2	01	Y	
20	-020	1.0					1	<2	02	Y	
21	-021	1.0					1	<2	03	Y	
22	-022	1.0					1	<2	04	Y	
23	-023	1.0					1	<2	05	Y	
24	-024	1.0					1	<2	06	Y	
25	-025	1.0					1	<2	07	Y	
26	R1601342-001MS	20,000	25mL/5mL	Global	10775	2	—	—	08	N	OUT OF TUNE Reports RUN QC
27	-001MSD	20,000	↓	↓	↓	↓	—	—	09	N	↓ ↓
28	BLK								10	—	
29	BLK								11	—	

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

T/G Primary 500 : 87763 - 5mL/5mL

HSL Primary : 88051 -

Fr Primary : 87802 -

HBO Primary : 87833 -

OCC Primary : 87656 -

(CCV)

Fr Secondary 200 : 87775 - 5uL

T/G Secondary 500 : 88052 - 2uL

HSL Secondary : 87727 -

HBO Secondary : 87835 -

OCC Secondary : 88026 -

5mL (LCS)

-12.5uL - 5mL

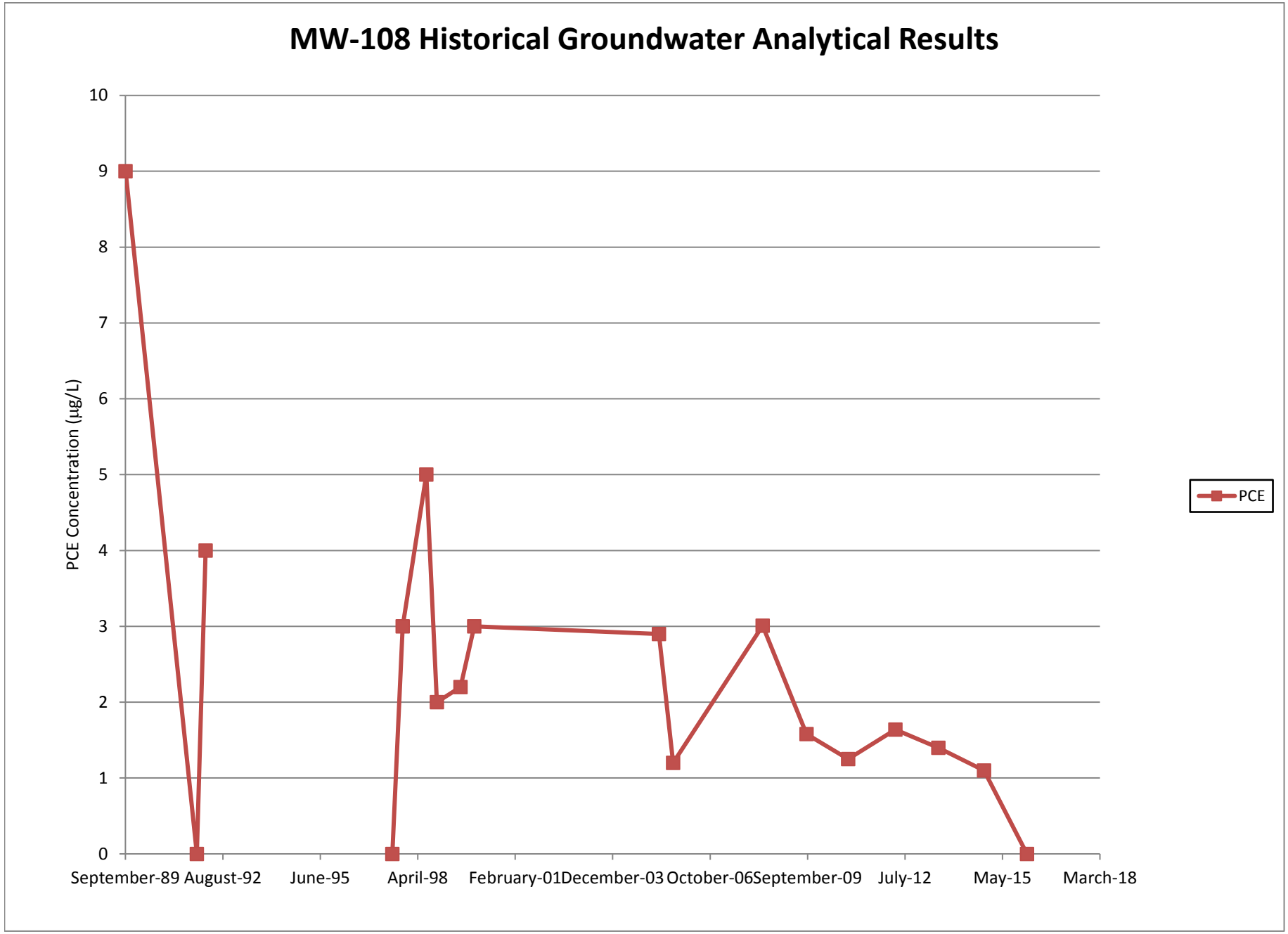
(SPK)

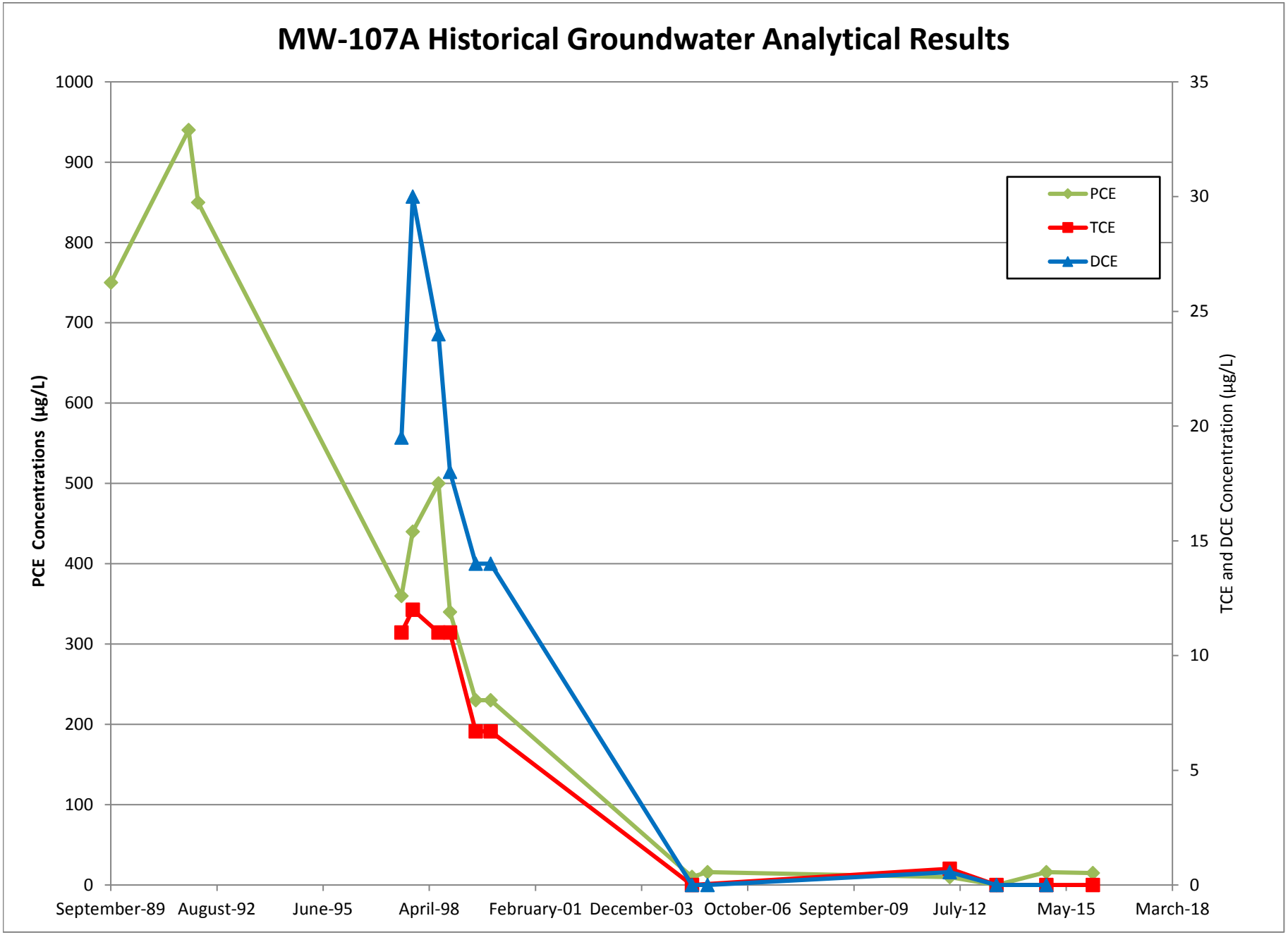
Combined IS/Surr — : —

Surrogate 50 : 87770

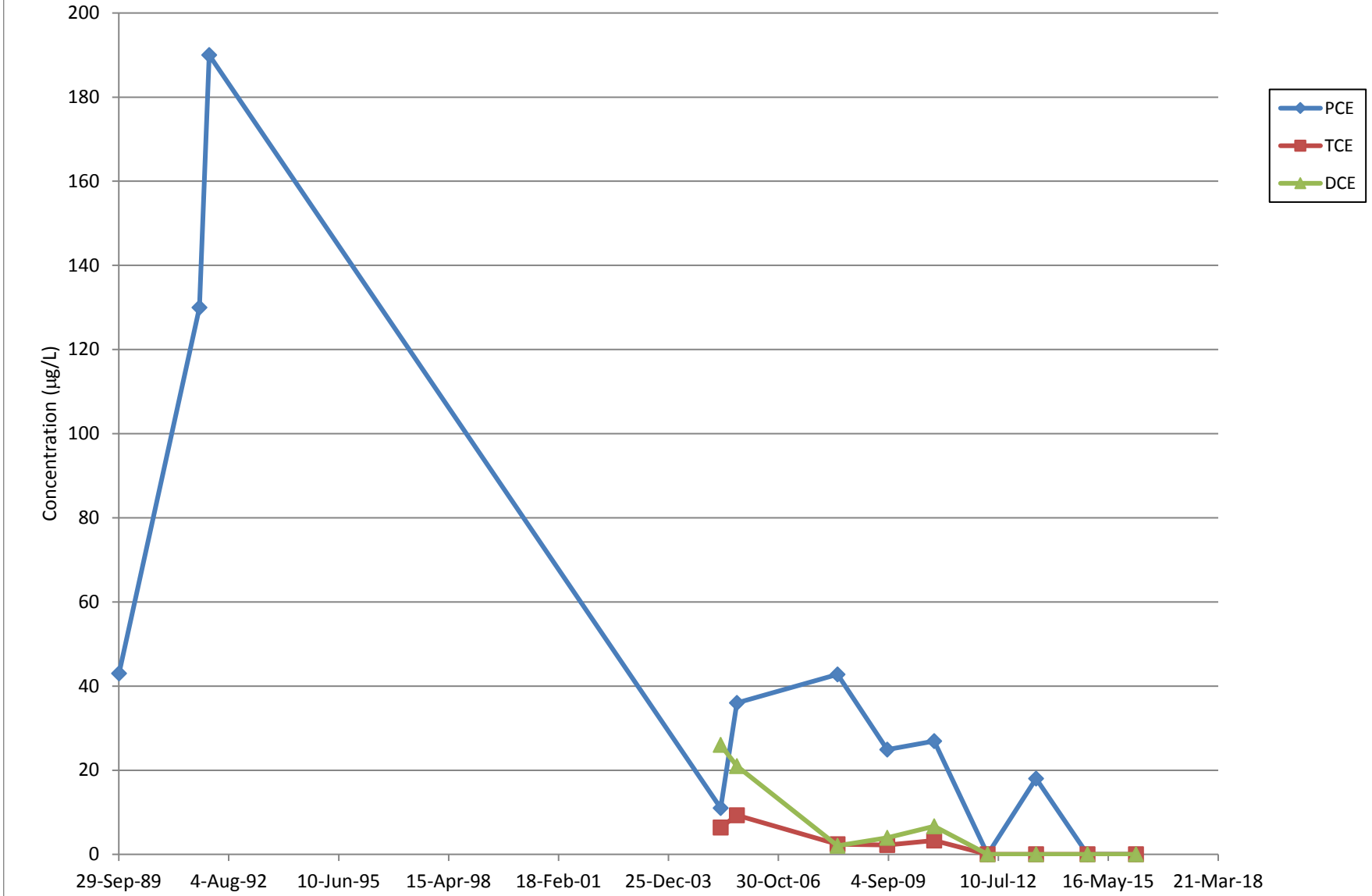
50mL Internal Std 50 : 87769

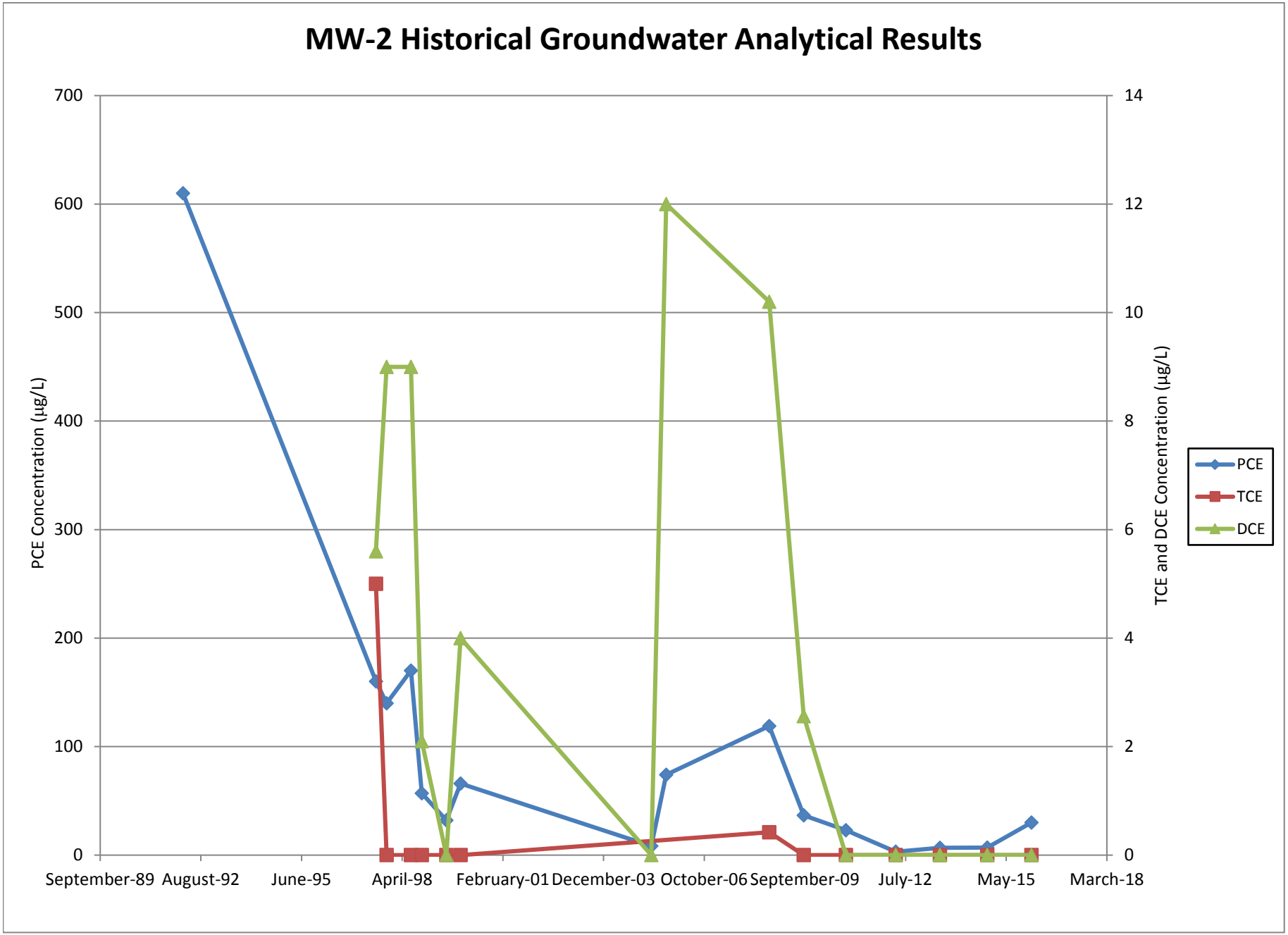
Appendix F
Historical Groundwater Analytical Data Trends

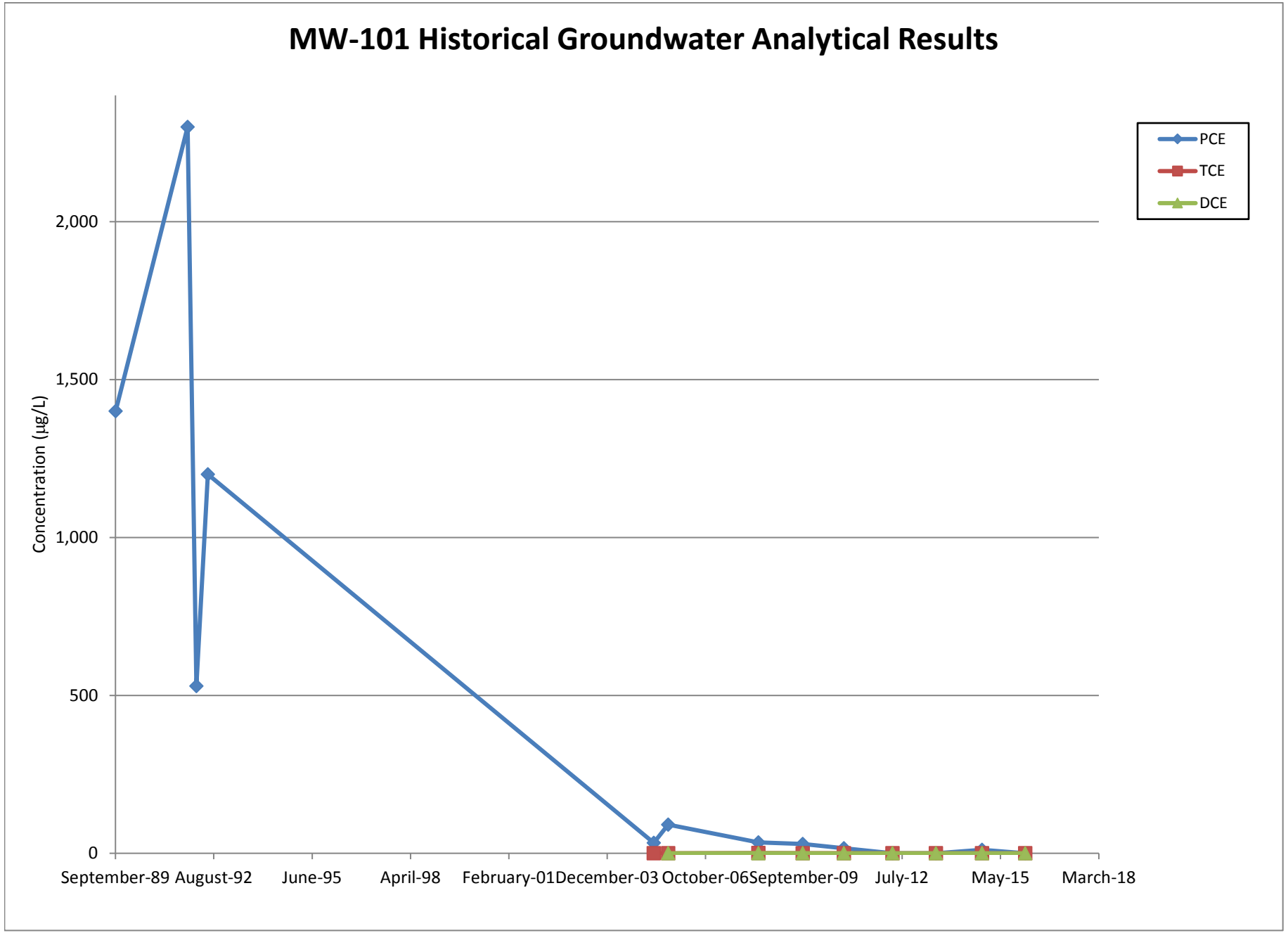

MW-108 Historical Groundwater Analytical Results
PCE Concentration (µg/L)
10
9
8
7
6
5
4
3
2
1
0
September-89
August-92
June-95
April-98
February-01
December-03
October-06
September-09
July-12
May-15
March-18
PCE

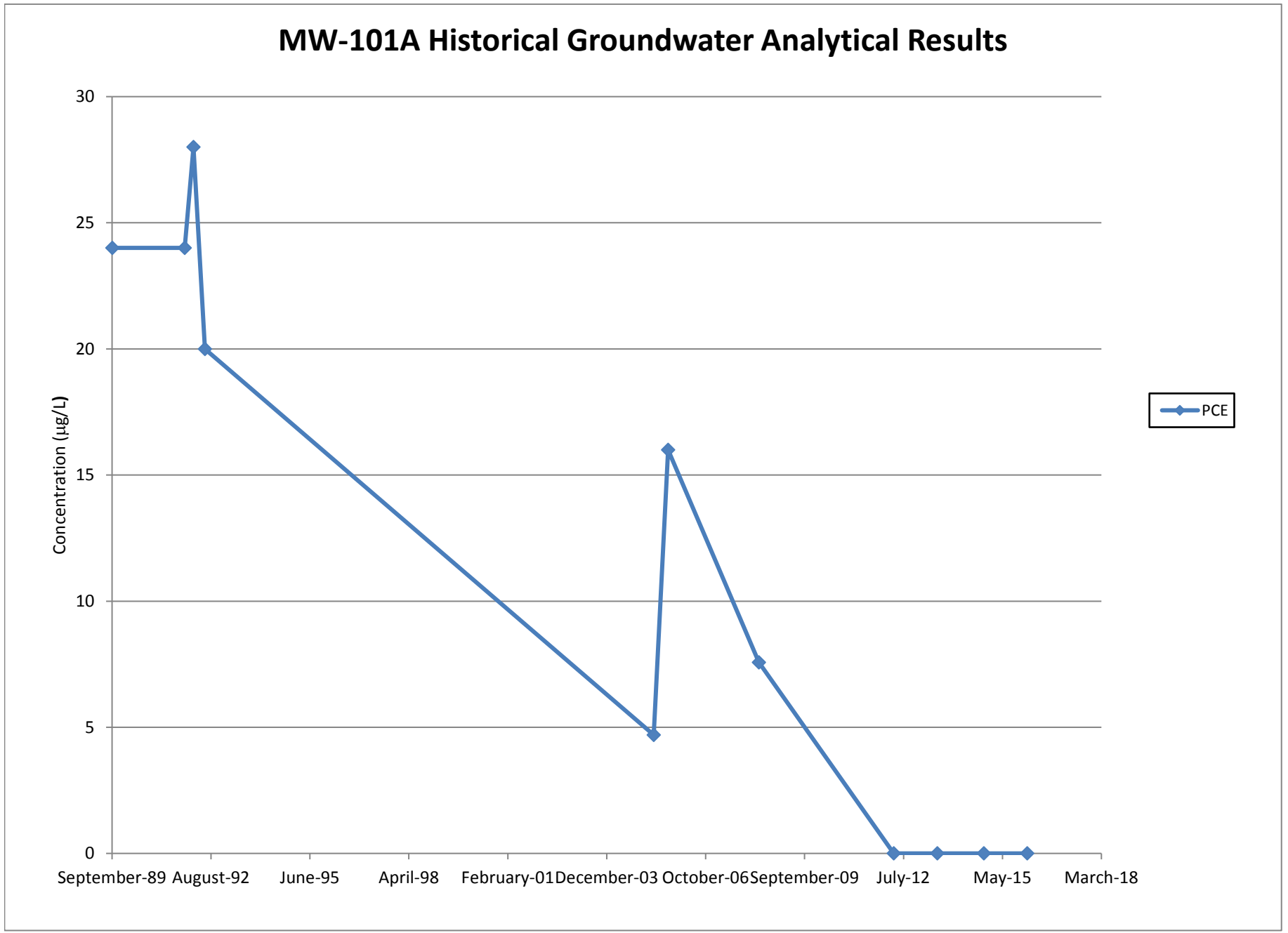

MW-107A Historical Groundwater Analytical Results
PCE Concentrations (µg/L)
TCE and DCE Concentration (µg/L)
1000
900
800
700
600
500
400
300
200
100
0
35
30
25
20
15
10
5
0
September-89
August-92
June-95
April-98
February-01
December-03
October-06
September-09
July-12
May-15
March-18
PCE
TCE
DCE

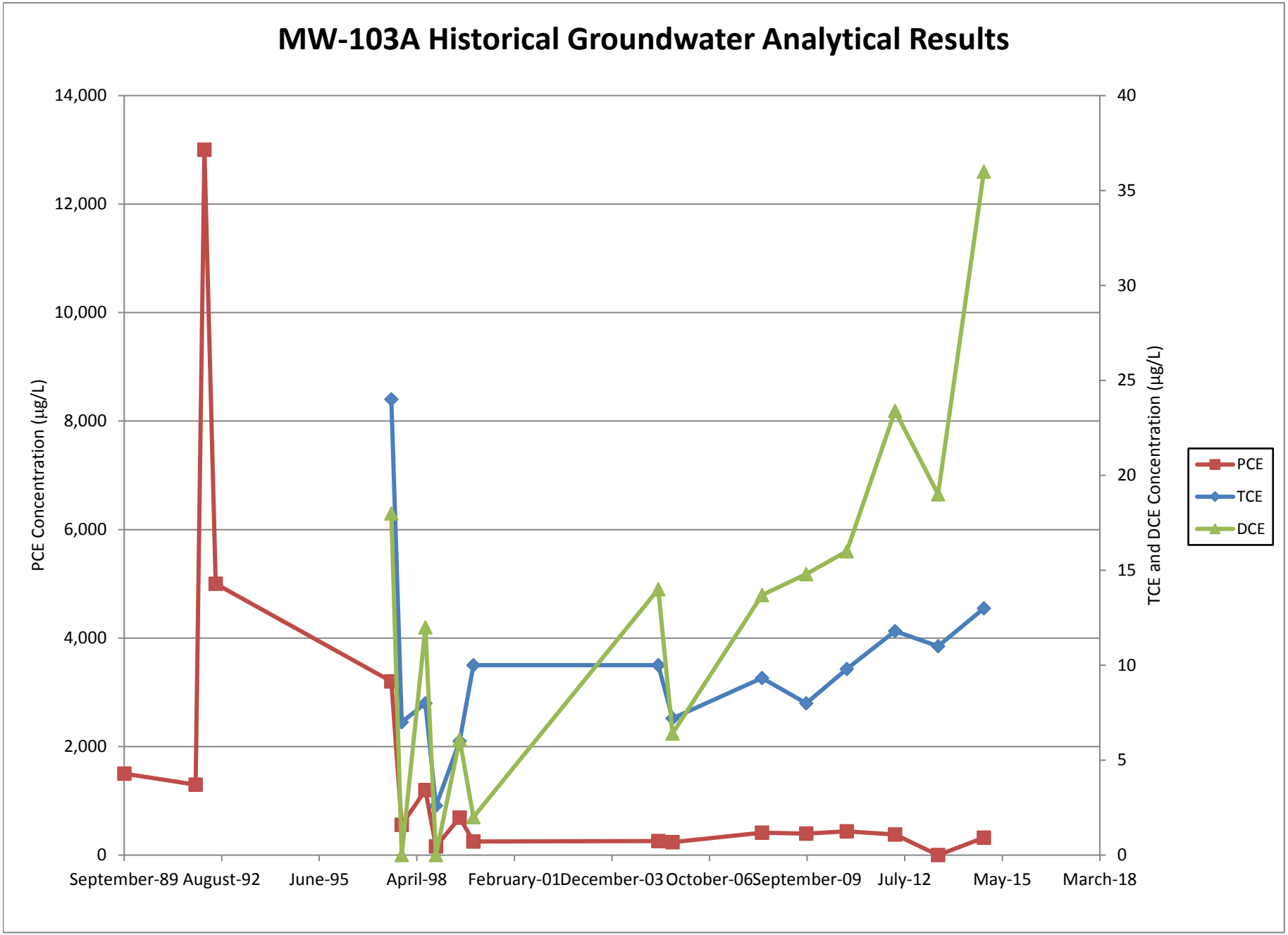
MW-107 Historical Groundwater Analytical Results

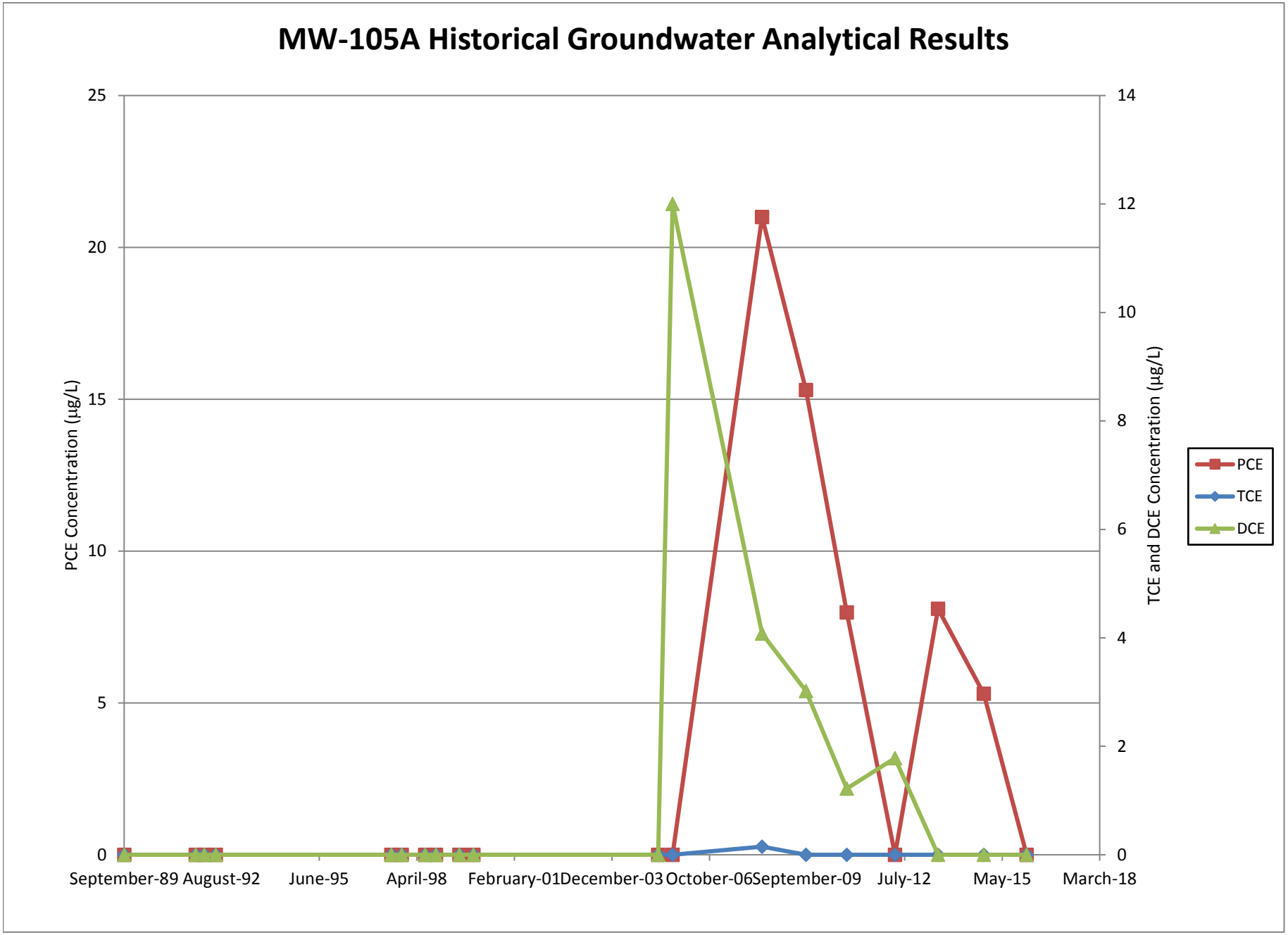


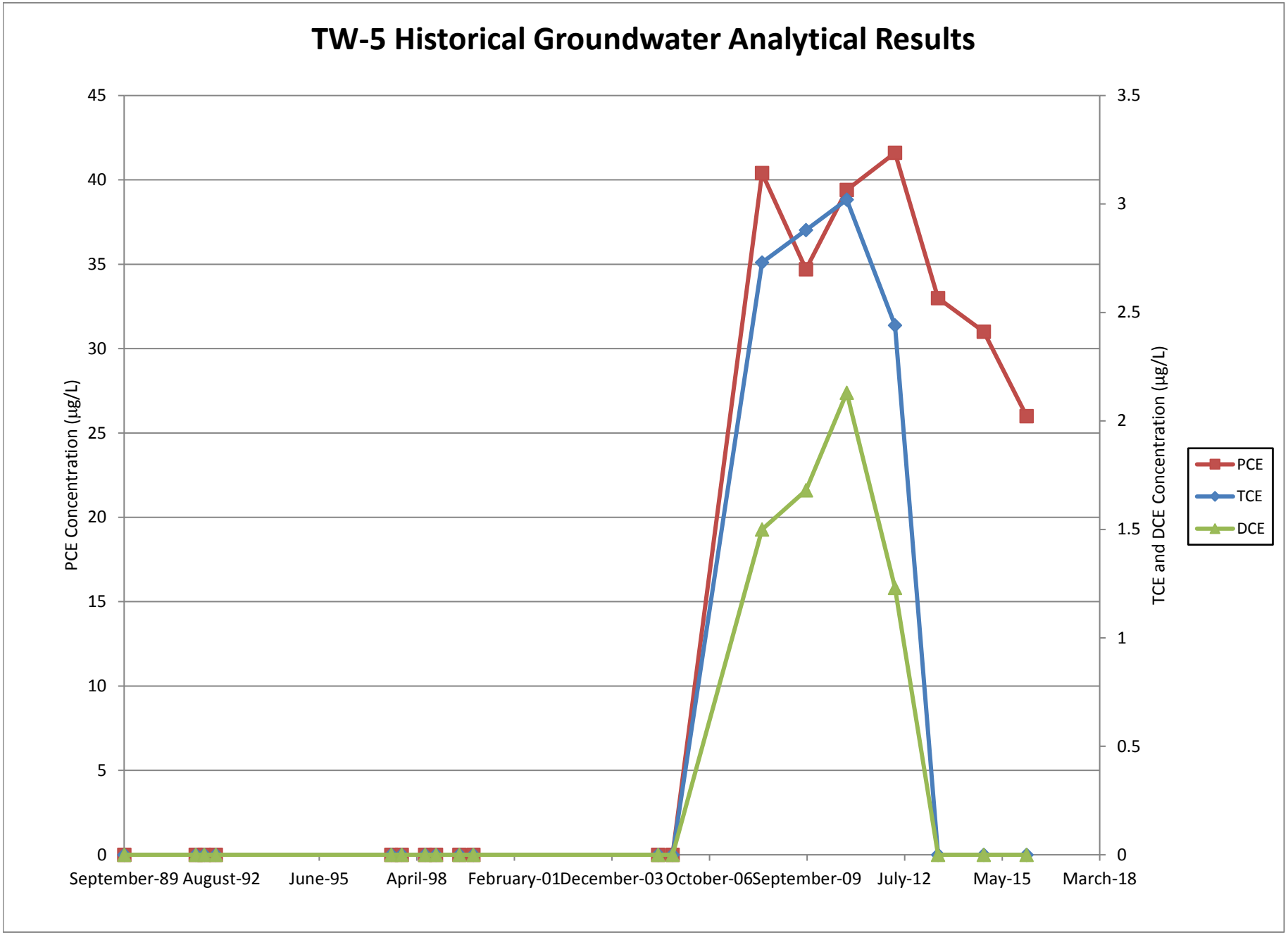

MW-2 Historical Groundwater Analytical Results
PCE Concentration (µg/L)
TCE and DCE Concentration (µg/L)
700
600
500
400
300
200
100
0
14
12
10
8
6
4
2
0
September-89
August-92
June-95
April-98
February-01
December-03
October-06
September-09
July-12
May-15
March-18
PCE
TCE
DCE

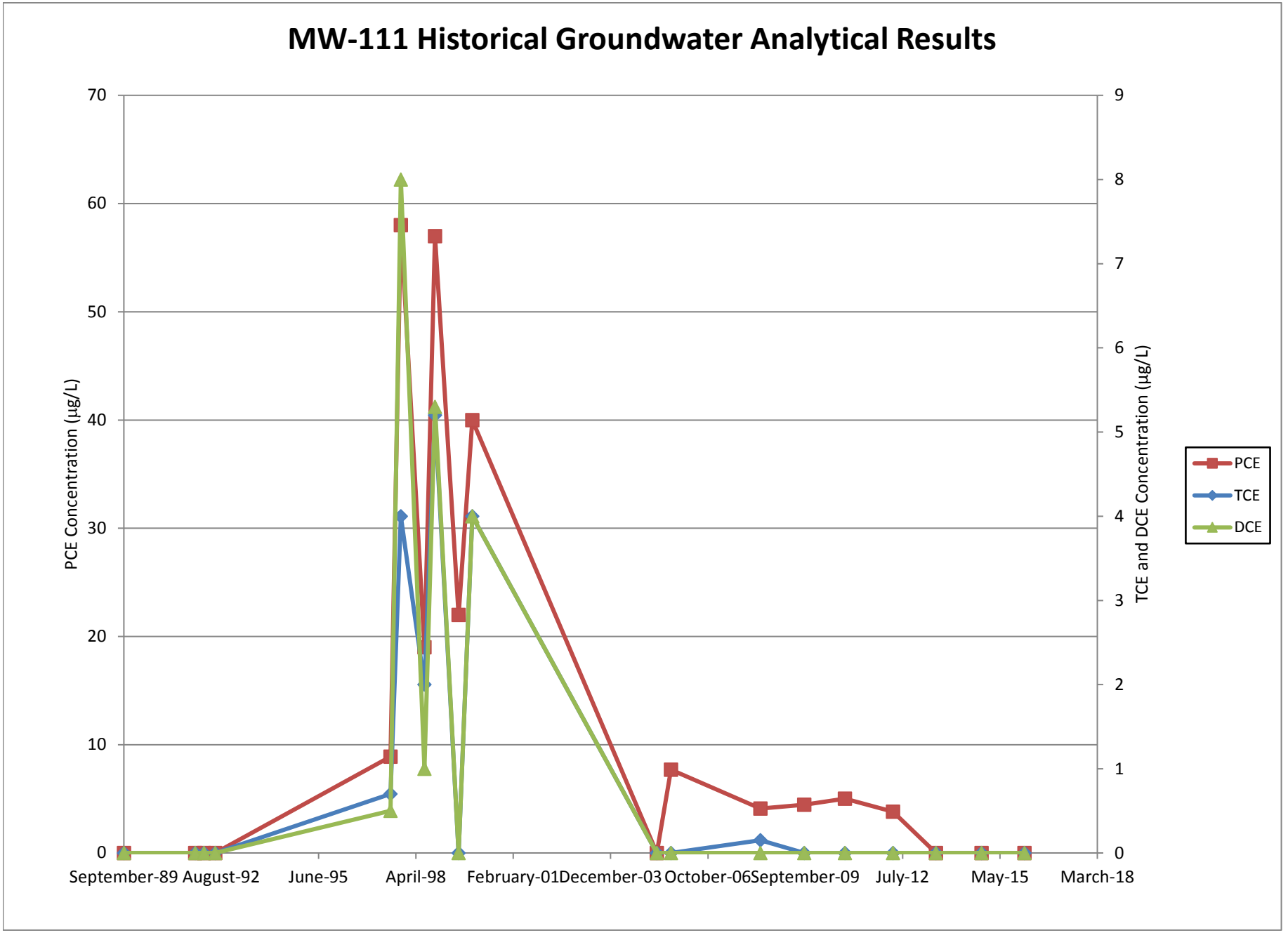

MW-101 Historical Groundwater Analytical Results
PCE
TCE
DCE
Concentration (µg/L)
2,000
1,500
1,000
500
0
September-89
August-92
June-95
April-98
February-01
December-03
October-06
September-09
July-12
May-15
March-18


MW-101A Historical Groundwater Analytical Results
30
25
20
15
10
5
0
Concentration (µg/L)
September-89
August-92
June-95
April-98
February-01
December-03
October-06
September-09
July-12
May-15
March-18
PCE


MW-103A Historical Groundwater Analytical Results
PCE Concentration (µg/L)
TCE and DCE Concentration (µg/L)
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
40
35
30
25
20
15
10
5
0
September-89
August-92
June-95
April-98
February-01
December-03
October-06
September-09
July-12
May-15
March-18
PCE
TCE
DCE


MW-105A Historical Groundwater Analytical Results
PCE Concentration (µg/L)
TCE and DCE Concentration (µg/L)
25
20
15
10
5
0
14
12
10
8
6
4
2
0
September-89
August-92
June-95
April-98
February-01
December-03
October-06
September-09
July-12
May-15
March-18
PCE
TCE
DCE


TW-5 Historical Groundwater Analytical Results
PCE Concentration (µg/L)
TCE and DCE Concentration (µg/L)
45
40
35
30
25
20
15
10
5
0
3.5
3
2.5
2
1.5
1
0.5
0
September-89
August-92
June-95
April-98
February-01
December-03
October-06
September-09
July-12
May-15
March-18
PCE
TCE
DCE


MW-111 Historical Groundwater Analytical Results
PCE Concentration (µg/L)
TCE and DCE Concentration (µg/L)
70
60
50
40
30
20
10
0
9
8
7
6
5
4
3
2
1
0
September-89
August-92
June-95
April-98
February-01
December-03
October-06
September-09
July-12
May-15
March-18
PCE
TCE
DCE