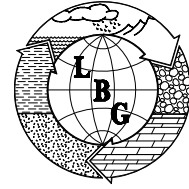


LBG ENGINEERING SERVICES, P.C.

PROFESSIONAL ENVIRONMENTAL & CIVIL ENGINEERS



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April 10, 2017

Ms. Pamela Tames
Superfund Remedial Project Manager
U.S. Environmental Protection Agency, Region II
NY/Caribbean Superfund Branch II
Emergency & Remedial Response Division
290 Broadway, 20th Floor
New York, NY 10007-1688

Via Electronic Transmission

RE: **DRAFT SEPTEMBER 2016
SEMI-ANNUAL/ANNUAL
GROUNDWATER QUALITY UPDATE
Rowe Industries Superfund Site
Groundwater Recovery and Treatment System
Sag Harbor, New York**

Dear Ms. Tames:

LBG Engineering Services, P.C. (LBGES) has completed the 2016 September groundwater quality monitoring event for select monitor and recovery wells at the Former Rowe Industries Superfund Site (the Site) in Sag Harbor, New York (Figures 1 and 2). The purpose of the groundwater sampling is the long-term monitoring of groundwater quality at the Site. The following sections summarize a brief site history, groundwater sampling procedures, groundwater quality results, findings, conclusions and recommendations.

SITE BACKGROUND

The site was historically used to manufacture various electrical components such as copper coils for toy slot cars. Degreasers used in the manufacturing process were disposed of in several drywells and were also stored in drums in the Former Drum Storage Area (FDSA) that eventually leaked to the ground surface. The contamination was detected in nearby drinking water wells during the mid-1980s, and the Suffolk County Department of Health investigation identified the source as the property occupied by Sag Harbor Industries (SHI). The subsequent

remedial investigation identified the compounds of concern (COCs) as tetrachloroethylene (PCE), trichloroethylene (TCE) and 1,1,1-trichloroethane (TCA). A groundwater contaminant plume extended northwesterly from the FDSA for over ½-mile toward a brackish estuary named Ligonee Creek and Sag Harbor Cove.

In 2000, a focused groundwater pump and treat system (FP&T) was installed to address the most impacted groundwater located on top of a shallow clay lens in the FDSA. The FP&T system includes four focus recovery wells, FRW-1 through 4; each capable of producing water at an approximate pumping rate of 1 to 6 gpm (gallons per minute). Between 2000 and 2002, a full-scale pump and treat (FSP&T) system was constructed with nine downgradient recovery wells (RW-1 thru 9), and piped to a two-story remediation building located on the SHI property. Operation of the FSP&T system commenced in December 2002. Computer modeling indicated that with continuous full operation, 99% of the plume would be removed in 11 years.

On July 13, 2005, the operation of RW-1 was discontinued with permission from the EPA after observing water-quality results below the laboratory reporting limits of 1 ug/l (micrograms per liter) for over two years. Subsequently, the RWs, with the exception of RW-2 which continues to operate today, were shut down after achieving water-quality results below Applicable or Relevant and Appropriate Requirements (ARAR) for over three years:

- RW-3 was shut down on May 21, 2012;
- RW-4 was shut down on January 1, 2014;
- RW-5 was shut down on May 23, 2012;
- RW-6 was shut down on January 1, 2014;
- RW-7 was shut down on January 1, 2014;
- RW-8 was shut down on April 30, 2012; and
- RW-9 was shut down on April 23, 2012.

Even though the groundwater quality at RW-2 has been below the ARAR for over seven years, RW-2 will remain in operation as a protective measure in the event there is a lapse in containment by the FRWs in the FDSA. In accordance with the approved Limited Shutdown Plan of May 29, 2012 (RW-3, 5, 8 and 9) and October 18, 2013 (RW-4, 6 and 7), each of the RWs that were shut down were monitored monthly for six months followed by quarterly monitoring for one year, and then followed by semi-annual monitoring for the remainder of the operation of the FSP&T system. Rebound of COC concentrations has not been observed at RW-1, RW-2, RW-3 or downgradient from these wells since the shutdown of the RWs.

The groundwater quality in the downgradient monitor and recovery wells, and many of the monitor and recovery wells on the Sag Harbor Industries (SHI) property, has either been below laboratory reporting limits or below ARARs for at least three years or longer. Therefore, on July 15, 2016, LBGES submitted a letter proposing modifications to the existing groundwater and FSP&T/FP&T system monitoring program, as defined in the Sampling, Analysis and Monitoring Plan (SAMP), to the United States Environmental Protection Agency (EPA) for approval. The proposed modification to the sampling program included: a) decreased sampling of the FSP&T system water and air samples (both frequency and/or number of locations sampled); b) the discontinuation of groundwater elevation measurements and groundwater quality sampling at all monitor and recovery wells down gradient of the SHI; and, c) sampling select monitor wells on the SHI property and in the FDSA.

On September 2, 2016, the EPA approved the discontinuation of groundwater elevation measurements and groundwater quality sampling for piezometers and select monitor and recovery wells, while reducing the monitoring frequency of other monitor and recovery wells from semi-annual to annual. Table 1 summarizes the requested and approved changes to the groundwater monitoring program. The new groundwater monitoring frequency was implemented in September 2016.

Semi-annual groundwater quality samples will continue to be collected during March and September and the additional annual groundwater quality samples will be collected during September of each year. The FRWs and operating RW will continue to be monitored monthly for groundwater quality.

SEMI-ANNUAL AND ANNUAL GROUNDWATER MONITORING ACTIVITIES

LBGES completed semi-annual and annual groundwater sampling between September 13 and 15, 2016, which included the measurement of groundwater levels in select monitor and recovery wells and the collection of groundwater samples from select wells for laboratory analysis. The plan is designed to allow for an assessment of recovery system effectiveness, rebound of contaminant concentrations, natural degradation of the COCs, and monitoring the groundwater quality in the footprint of the former downgradient plume.

The September 2016 groundwater quality monitoring event included the collection of samples from 29 monitor wells, 4 RWs and 4 FRWs for a total of 37 wells.

Groundwater Level Measurements

The depth-to-water (DTW) levels were measured with an electronic water-level indicator (e-tape); the measurements at each location being referenced to the top of casing (TOC). The groundwater elevations were calculated by subtracting the DTW measurements from the TOC elevations. The e-tape was decontaminated between use at each well using Alconox (a detergent) and deionized water (DI).

On September 26, as part of the groundwater sampling event, DTW levels were measured in select monitor and recovery wells during static conditions (with the recovery wells turned off). The recovery wells were shut down on September 21, 2016, to allow ample time for groundwater levels to recover to static conditions. The data were used to calculate the groundwater elevations (Table 2 and Figure 3).

A round of DTW levels were measured in select monitor and recovery wells during pumping conditions on September 13, 2016. These data were used to calculate groundwater elevations with RW-2 and FRW-1 thru 4 operating and to estimate the capture zones (Table 2 and Figure 4).

Groundwater Sampling

Water samples were collected from the four FRWs and RW-2 via sample ports, which is the standard procedure during monthly groundwater quality sampling for these wells. All other groundwater samples, including three RWs (RW-3, 4 and 6), were collected in accordance with the EPA low-flow sampling technique guidelines. For the non-operating RWs, the tubing intake is set at the approximate depth of the former pump intake in order to collect groundwater samples comparable to samples collected while the RWs were operating.

Field parameters were monitored with a calibrated Horiba U52 meter and flow-thru cell for pH, conductivity, turbidity, dissolved oxygen (DO), temperature and oxidation reduction potential (ORP). Copies of the field sampling sheets are included in Appendix I. New tubing was used to collect the sample at each well and, due to the historical contaminants at the Site, spent tubing and personal protective equipment (PPE) was treated as hazardous waste, drummed,

labeled and stored for disposal at a later time. Groundwater samples were collected in laboratory-supplied vials, preserved with hydrochloric acid (HCl), stored in dedicated coolers with ice and then delivered to a NYS-certified laboratory using proper chain-of-custody (COC) procedures. The groundwater samples were analyzed for Volatile Organic Compounds (VOCs) using EPA Method 8260.

Quality Assurance/Quality Control

For Quality Assurance/Quality Control (QA/QC) purposes, two trip blanks (TB) and two field blanks (FB), one each per sampling technician, were also analyzed. TBs are preserved vials prepared by the laboratory with de-ionized (DI) water and shipped with the sample vials. A set of TBs were carried by each sampling technician with their vials, and then returned to the laboratory for analysis in order to rule out inadvertent exposure of the vials or samples to VOCs. FBs were collected in the field by each sampling technician following the same procedures as the collection of groundwater samples with clean, single-use tubing, and then submitted to the laboratory for analysis in order to rule out any cross contamination from the tubing or equipment. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) samples were collected from MW98-04 and MW-58A; these wells being chosen for the MS/MSD samples because of either historic detections of COCs in the groundwater samples from the well or because it was a newly constructed well. MS/MSD samples involve collecting a groundwater sample from a well in triplicate, and submitting all three samples to the laboratory for analysis. Two blind duplicate samples, MW-A and MW-B, were collected from MW98-04B and MW-59B, respectively, and submitted to the laboratory for analysis. A blind sample is a separate sample submitted for analysis with the source location and identity known to the sampling technician but unknown to the laboratory. The blind sample is used to ensure the laboratory's proficiency in the execution of the analysis. Based on the evaluation of the results of the QA/QC analyses, the laboratory data are usable for their intended purpose.

Groundwater Level Measurement Discussion

The water-table elevation data from the sampling event collected during static and pumping conditions were reviewed and used to construct water-table elevation contour maps (Figures 3 and 4, respectively). As depicted by the contour map, the interpreted groundwater

flow direction at the Site is to the northwest towards Sag Harbor Cove. When compared to the September 2015 static groundwater elevations, the September 2016 groundwater elevations are comparable. When compared to the March 2016 static groundwater elevations, the September 2016 groundwater elevations are lower; likely the result of the dry summer conditions.

The groundwater contours were evaluated to assess the capture zone (Figure 4). The capture zone lines for the recovery wells are shown as dashed red lines. The capture zone map indicates that the operation of the FP&T system continues to minimize the migration of COCs away from the FDSA and the operation of RW-2 continues to be an effective protective measure to prevent COCs from migrating beyond its location.

Semi-Annual Groundwater Quality Results and Discussion

PCE, TCA, TCE and 1,2 cis-dichloroethylene (DCE) concentrations are summarized on Tables 3, 4, 5 and 6 respectively. Laboratory analytical data are provided in Appendix II. PCE, TCE, TCA and DCE concentrations detected in the wells located downgradient of the FDSA are below ARARs and, in most cases, below laboratory reporting limits. Furthermore, the COCs downgradient of the FDSA are within normal seasonal and temporal variability for the Site. Rebound of contaminant concentrations has not been detected above ARARs in the water samples from wells located downgradient of the FDSA following the shutdown of eight of the nine FSP&T recovery wells.

PCE concentrations in the groundwater at the FDSA continue to be above ARARs in most wells. The PCE concentrations in the FDSA observed in September 2016, when compared to March 2016, were comparable with the exception of the concentrations in the groundwater samples from the four FRW wells, which have decreased but remain within normal seasonal/temporal variability in the FDSA. Figure 5 shows the approximate size of the PCE plume in September 2016.

TCE and DCE, which are daughter products of PCE, continue to be detected in the FDSA wells. In the latest September sampling event, the TCE and cis-DCE concentrations were below ARARs in all FDSA wells sampled. The continued detection of these compounds suggests that limited biodegradation of PCE is continuing in the FDSA. However, the biodegradation of the PCE has not been sufficient to reduce the concentrations below the ARARs. Furthermore, the

limited biodegradation that is occurring is not proceeding through to the end of the complete reductive dechlorination process.

TCA concentrations in the groundwater beneath the FDSA were within historical ranges and have been below ARARs in the FDSA for three and a half years.

While the FP&T wells provide sufficient hydraulic containment to prevent contaminants from migrating beyond the FDSA, PCE concentrations in the FDSA continue to persist above ARARs.

CONCLUSIONS

The following conclusions are based on the results of the September 2016 groundwater quality sampling event.

- The concentrations for the COCs in the groundwater downgradient from the FDSA continue to be below ARARs and have not rebounded in areas that are outside of the influence of the FP&T system.
- The operation of the FP&T system provides adequate hydraulic control of the COCs to prevent their migration beyond the FDSA. However, COC concentrations continue to persist above ARARs in the FDSA.
- The continued detection of TCE and DCE suggests limited biodegradation of PCE is occurring in the FDSA. However, the biodegradation of the PCE has not been sufficient to reduce the concentrations below the ARARs. Additionally, the limited biodegradation is not proceeding through to the end of the complete reductive dechlorination process.

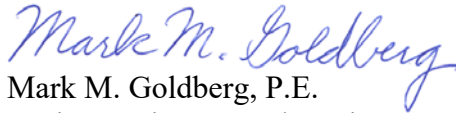
If you have any questions or require additional information, please do not hesitate to contact Ms. Sandor or Mr. Goldberg directly at (475) 882-1711 or (475) 882-1708, respectively.

Very truly yours,

LBG ENGINEERING SERVICES, P.C.



Tunde Komuves-Sandor, CPG
Senior Hydrogeologist



Mark M. Goldberg, P.E.
Senior Environmental Engineer

Reviewed by:



William K. Beckman, PE
President

TKS:cmm

Enclosures

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TABLES

TABLE 1

**SUMMARY REPORT FOR SEPTEMBER 2016 GROUNDWATER SAMPLING
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK**

Approved Modifications to the Monitoring Programs

		Water Levels			VOCs		
FSP&T System		Existing	2016 Proposed	EPA Approved	Existing	2016 Proposed	EPA Approved
	RW-1	On SHI property in front of main buidng	semi-annually	semi-annually	semi-annually	discontinue monitoring	discontinue
	RW-2	On SHI property in front of the FSP&T remediation building	semi-annually monthly	semi-annually	monthly	monthly	monthly
	RW-3	On SHI property behind the FSP&T remediation building	semi-annually	semi-annually	semi-annually	discontinue monitoring	annual
	RW-4	Sag Harbor Turnpike	semi-annually	discontinue monitoring	semi-annually	discontinue monitoring	annual
	RW-5	Carroll Street	semi-annually	discontinue monitoring	semi-annually	discontinue monitoring	discontinue
	RW-6	Carroll Street	semi-annually	discontinue monitoring	semi-annually	discontinue monitoring	annual
	RW-7	Carroll Street	semi-annually	discontinue monitoring	semi-annually	discontinue monitoring	discontinue
	RW-8	Brick Kiln Road	semi-annually	discontinue monitoring	semi-annually	discontinue monitoring	discontinue
	RW-9	Noyack Road	semi-annually	discontinue monitoring	semi-annually	discontinue monitoring	discontinue
Monitor Wells in FDSA							
	MW98-01A	FDSA, Haberman property	semi-annually	semi-annually	--	semi-annually	semi-annually
	MW98-05AR, 05BR	FDSA, Haberman property	NE	semi-annually	--	NE	semi-annually
	MW98-05A, 05B (wells decommissioned)	FDSA, Haberman property	semi-annually	discontinue monitoring	--	semi-annually	discontinue monitoring
Monitor Wells on SHI Property							
	MW-45A, 45B	FDSA, on SHI property along fence	semi-annually	semi-annually	--	semi-annually	semi-annually
	MW98-04, 04B (04B is a new well)	FDSA, on SHI property in driveway on pavement	semi-annually, NE	semi-annually	--	semi-annually, NE	semi-annually
	MW-58A, 58B (new well cluster)	On SHI property in southern driveway	NE	semi-annually	--	NE	semi-annually
	MW-59A, 59B (new well cluster)	On SHI property , parking lot north side of building	NE	semi-annually	--	NE	semi-annually
	MW-28A, 28B	On SHI property in back of main building	semi-annually	semi-annually	--	semi-annually	semi-annually
	N-32, 32B	On SHI property, parking lot north side of building	semi-annually, NE	semi-annually	--	semi-annually, NE	semi-annually
	MW-44A, 44B, 44C	On SHI property near RW-2	semi-annually	semi-annually	semi-annual	discontinue monitoring	annual
	MW-46A, 46B	On SHI property in woods	semi-annually	semi-annually	semi-annual	discontinue monitoring	discontinue
	MW-47A, 47B	On SHI property in woods	semi-annually	semi-annually	semi-annual	discontinue monitoring	annual
	MW-51A (well destroyed)	FDSA, on SHI property along fence	well destroyed	discontinue monitoring	--	well destroyed	discontinue monitoring
	MW-52A	FDSA, on SHI property along fence	semi-annually	semi-annually	semi-annual	semi-annually	discontinue monitoring
Monitor Wells at Recharge Basins							
	MW-B1	Discharge Basin	semi-annually	semi-annually	semi-annually	semi-annually	discontinue monitoring
	MW-B2	Discharge Basin	semi-annually	discontinue monitoring	semi-annually	NE	discontinue monitoring
	MW-B3	Discharge Basin	semi-annually	discontinue monitoring	semi-annually	NE	discontinue monitoring
	MW-B4	Discharge Basin	semi-annually	discontinue monitoring	semi-annually	NE	discontinue monitoring
All Monitor Wells Downgradient of SHI Property							
	MW-42A, B, C (wells A & B have been destroyed)	Bay Burger (formerly Gingerbread House) parking lot,	semi-annually	discontinue monitoring	semi-annually	semi-annually	discontinue monitoring
	MW-43A, B, C	On Carroll Street near RW-6	semi-annually	discontinue monitoring	semi-annually	semi-annually	discontinue monitoring
	MW-49A, B, C	On Noyack road near RW-9	semi-annually	discontinue monitoring	discontinue	semi-annually	discontinue monitoring
	MW-50A, B, C	Morris Cove Road	semi-annually	discontinue monitoring	discontinue	semi-annually	discontinue monitoring
	MW-53	On Carroll Street between RW-5 and RW-6	semi-annually	discontinue monitoring	semi-annually	semi-annually	discontinue monitoring
	MW-54	On Carroll Street between RW-5 and RW-7	semi-annually	discontinue monitoring	semi-annually	semi-annually	discontinue monitoring
	MW-55	On Hildreth Road near corner of Brick Kiln Road	semi-annually	discontinue monitoring	discontinue	semi-annually	discontinue monitoring
	MW-56A, B, C	Brick Kiln Road between Carroll and Hildreth across from RW-8	semi-annually	discontinue monitoring	discontinue	semi-annually	discontinue monitoring
	MW-57A, B, C (A & B have been destroyed)	Brick Kiln Road south of Carroll Street, near shrubs usually under 6-inches of sand	semi-annually	discontinue monitoring	discontinue	semi-annually	discontinue monitoring
Department of Health Services (SCDHS) wells							
	N-1A, B	Noyack Road	semi-annually, NE	discontinue monitoring	--	semi-annually, NE	discontinue monitoring
	N-2A, B	Noyack Road	semi-annually, NE	discontinue monitoring	--	semi-annually, NE	discontinue monitoring
	N-9	Sag Harbor Turnpike at corner of Hildreth	NE	discontinue monitoring	--	NE	discontinue monitoring
	N-16	Sag Harbor Turnpike near RW-4	semi-annually, NE	discontinue monitoring	--	semi-annually, NE	discontinue monitoring
	N-17	Sag Harbor Turnpike near utility pole	semi-annually, NE	discontinue monitoring	--	semi-annually, NE	discontinue monitoring
	N-37	Fabiano property front yard	semi-annually, NE	discontinue monitoring	--	semi-annually, NE	discontinue monitoring
	N-38	Fabiano property side yard	semi-annually, NE	discontinue monitoring	--	semi-annually, NE	discontinue monitoring
	N-39	Fabiano property back yard	semi-annually, NE	discontinue monitoring	--	semi-annually, NE	discontinue monitoring
All Monitor Wells Upgradient of the FDSA							
	MW-48A, 48B	Lily Pond Road	semi-annually	semi-annually	--	semi-annually	discontinue monitoring
All Piezometers			semi-annually	discontinue monitoring	--	NE	discontinue monitoring

Notes:

NE = Not Established; N/A = Not Applicable

N/A

-- no comment by EPA interpreted as proposed change being approved by EPA

EPA did not comment on any down gradient SCDHS wells, as such, assume that the proposed discontinuation of monitoring has been approved

TABLE 2

**SUMMARY REPORT FOR SEPTEMBER 2016 SEMI-ANNUAL GROUNDWATER SAMPLING
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK**

Summary of Groundwater Elevation Measurements for Monitor and Recovery Wells, in Feet Above Mean Sea Level

Well	9/8/15 Static DTW (ft btoc)	9/8/15 Static GW Elevation (ft msl)	9/21/15 Pumping DTW (ft btoc)	9/21/15 Pumping GW Elevation (ft msl)	3/21/16 Static DTW (ft btoc)	3/21/16 Static GW Elevation (ft msl)	4/5/16 Pumping DTW (ft btoc)	4/5/16 Pumping GW Elevation (ft msl)	9/13/16 Pumping DTW (ft btoc)	9/13/16 Pumping GW Elevation (ft msl)	9/26/16 Static DTW (ft btoc)	9/26/16 Static GW Elevation (ft msl)
MW-28A	19.56	6.32	19.41	6.47	17.98	7.92	17.92	7.98	19.57	6.33	19.43	6.47
MW-28B	19.46	9.49	19.35	9.60	17.88	8.11	17.80	8.19	19.65	6.34	19.51	6.48
MW-42B	16.72	6.48	NM	-	inaccessible	inaccessible	NM	NM	16.64	6.56	16.6	6.60
MW-43A	18.97	3.84	NM	-	inaccessible	inaccessible	NM	NM	18.83	3.98	18.78	4.03
MW-43B	19.29	3.68	NM	-	inaccessible	inaccessible	NM	NM	19.05	3.92	18.93	4.04
MW-43C	19.24	3.82	NM	-	inaccessible	inaccessible	NM	NM	19.10	3.96	19.05	4.01
MW-44A	inaccessible	-	23.60	5.80	21.76	7.68	21.82	7.62	23.80	5.64	23.24	6.20
MW-44B	23.41	6.08	23.57	5.92	21.87	7.67	22.11	7.43	23.72	5.82	24.21	5.33
MW-44C	23.60	6.12	23.56	6.16	22.06	7.70	22.26	7.50	23.75	6.01	23.52	6.24
MW-45A	21.19	6.68	21.04	6.83	19.61	7.83	19.67	7.77	21.29	6.15	21.14	6.30
MW-45B	21.05	6.62	20.87	6.80	19.41	8.22	19.47	8.16	21.08	6.55	20.97	6.66
MW-46A	19.36	6.30	19.23	6.43	17.75	7.91	17.85	7.81	19.42	6.24	19.31	6.35
MW-46B	19.96	6.37	19.81	6.52	18.36	7.97	18.44	7.89	20.01	6.32	19.91	6.42
MW-47A	dry	dry	dry	dry	7.14	7.84	dry	dry	dry	-	dry	-
MW-47B	8.93	6.17	8.78	6.32	7.32	7.78	7.62	7.48	8.95	6.15	8.96	6.14
MW-48A	24.16	7.10	24.00	7.26	22.58	8.68	22.62	8.64	24.27	6.99	24.21	7.05
MW-48B	25.10	7.03	24.91	7.22	23.46	8.67	22.56	9.57	25.16	6.97	25.09	7.04
MW-52A	19.63	7.18	19.54	7.27	18.05	8.24	18.13	8.16	19.76	6.53	19.6	6.69
MW-53	20.17	4.02	NM	-	19.04	5.15	-	-	20.02	4.17	19.97	4.22
MW-54	21.66	4.19	NM	-	20.52	5.33	-	-	21.54	4.31	24.83	1.02
MW-58A	-	-	-	-	23.20	8.28	23.52	7.96	24.86	6.62	24.76	6.72
MW-58B	-	-	-	-	23.18	8.28	23.47	7.99	24.81	6.65	26.26	5.20
MW-59A	-	-	-	-	26.31	7.57	26.37	7.51	dry	-	27.65	6.23
MW-59B	-	-	-	-	26.25	7.59	26.44	7.40	27.79	6.05	27.78	6.06
MW-98-01A	23.65	6.84	23.73	6.76	22.08	8.39	22.16	8.31	23.86	6.61	23.69	6.78
MW-98-04	21.26	8.05	21.20	8.11	19.71	8.29	19.52	8.48	21.38	6.62	21.28	6.72
MW-98-04B	-	-	-	-	19.64	8.30	19.50	8.44	21.30	6.64	21.2	6.74
MW-98-05A	23.09	6.61	23.40	6.30	abandoned	abandoned	abandoned	abandoned	abandoned	abandoned	abandoned	abandoned
MW-98-05B	22.87	7.14	23.05	6.96	abandoned	abandoned	abandoned	abandoned	abandoned	abandoned	abandoned	abandoned
MW-98-05AR	-	-	-	-	21.41	7.85	21.32	7.94	23.34	5.92	22.6	6.66
MW-98-05BR	-	-	-	-	20.99	8.77	20.87	8.89	22.72	7.04	23.02	6.74
FRW-1	24.19	6.81	29.05	1.95	NM	-	29.26	1.74	25.50	5.50	24.26	6.74
FRW-2	22.89	2.66	23.00	2.55	NM	-	25.52	0.03	23.08	2.47	22.85	2.70
FRW-3	22.60	6.76	22.90	6.46	NM	-	26.07	3.29	23.03	6.33	22.63	6.73
FRW-4	21.96	6.77	24.65	4.08	NM	-	25.17	3.56	25.27	3.46	22.02	6.71
RW-1	27.75	6.06	27.69	6.12	26.18	7.63	26.22	7.59	27.76	6.05	27.6	6.21
RW-2	20.10	5.65	25.62	0.13	18.41	7.69	25.17	0.93	26.64	-0.54	19.79	6.31
RW-3	6.95	6.09	6.83	6.21	5.32	7.82	6.23	6.91	7.10	6.04	6.85	6.29
RW-4	14.29	4.72	NM	-	12.88	6.13	NM	-	14.10	4.91	14.09	4.92
RW-5	20.82	4.51	NM	-	19.49	5.84	NM	-	20.63	4.70	20.6	4.73
RW-6	17.82	3.87	NM	-	16.74	4.95	NM	-	17.69	4.00	17.68	4.01
RW-7	14.81	3.54	NM	-	13.74	4.61	NM	-	14.68	3.67	14.54	3.81
MW-B1	31.42	3.58	29.91	5.09	28.91	6.09	28.97	6.03	23.00	12.00	30.29	4.71
MW-B2	32.42	5.24	32.10	5.56	30.86	6.80	30.91	6.75	32.01	5.65	32.23	5.43
MW-B3	dry	-	26.25	5.37	25.22	6.40	25.46	6.16	dry	-	dry	-
MW-B4	25.68	5.06	25.44	5.30	24.19	6.55	24.23	6.51	25.47	5.27	25.5	5.24
N-32	26.16	6.06	26.19	6.03	24.61	7.60	23.97	8.24	26.39	5.82	26.02	6.19
N-32B	-	-	-	-	24.60	7.66	23.92	8.34	26.49	5.77	26.07	6.19

DTW Depth to Water
GW Groundwater
ft btoc Feet below top of casing

ft msl feet mean sea level
NM Not Measured

**SUMMARY REPORT FOR SEPTEMBER 2016 SEMI-ANNUAL GROUNDWATER SAMPLING
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK**

[illegible]

TABLE 3

SUMMARY REPORT FOR SEPTEMBER 2016 SEMI-ANNUAL GROUNDWATER SAMPLING
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

CURRENT AND HISTORIC CONCENTRATIONS OF PCE DETECTED IN GROUNDWATER FROM MONITOR AND RECOVERY WELLS, ug/l

Monitor or Recovery Wells	Sample Dates																																				
	Mar-07	Oct-07	Mar-08	Sep-08	Mar-09	Sep-09	Mar-10	Sep-10	Mar-11	Sep-11	Mar-12	Jun-12	Aug-12	Sep 4, 2012	Sep-12	Oct-12	Dec-12	Feb-13	Mar-13	Apr-13	June-13 (6-12-2013)	June-13	July-13	Sep-13	Nov-13	Mar-14	Jun-14	Sept-14	Dec-14	Mar-15	Jun-15	Sep-15	Feb-16	Mar-16	Sep-16		
N-1A						ND		ND		ND					ND				ND																		
N-1B		ND		ND		ND		ND		ND					ND				ND						ND		ND		ND				ND				
N-2A						ND		ND		ND					ND				ND																		
N-2B		ND		ND		ND		ND		ND					ND				ND						ND		ND		ND					ND			
N-9								ND		ND					ND																						
N-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND						ND		ND		ND			ND		ND			
N-17		ND		ND		ND		ND		ND					ND				ND																		
N-32					ND	ND	ND	ND	ND	ND	ND				ND				ND						ND		ND		ND			ND		ND	ND	ND	ND
N-32B																																			ND	ND	ND
N-37	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND			ND				ND						ND		ND		ND		ND		ND				
N-38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND		ND			
N-39	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND						ND		ND		ND		ND		ND				

**SUMMARY REPORT FOR SEPTEMBER 2016 SEMI-ANNUAL GROUNDWATER SAMPLING
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK**

Monitor or Recovery Well	Sample Dates																																				
	Mar-07	Oct-07	Mar-08	Sep-08	Mar-09	Sep-09	Mar-10	Sep-10	Mar-11	Sep-11	Mar-12	Jun-12	Aug-12	Sep 4, 2012	Sep-12	Oct-12	Dec-12	Feb-13	Mar-13	Apr-13	June-13 (6-12-2013)	June-13	July-13	Sept-13	Nov-13	Mar-14	Jun-14	Sept-14	Dec-14	Mar-15	Jun-15	Sep-15	Feb-16	Mar-16	Sep-16		
MW-B1		ND		ND		ND		ND		ND	ND				ND				ND					ND		ND		ND		ND		ND		ND		ND	
MW-B2											ND	ND			ND				ND					ND		ND					ND		ND		ND		ND
MW-B3											ND	ND			ND				ND					ND													
MW-B4											ND	ND			ND				ND					ND													ND
FRW-1	ND	14	13	ND	ND	ND	4.6	5.7	0.58 J	ND	0.24 J	1.0	3.1	4.8	5.8	3.5	3.9	17	7.1	4.4	1.8	3.5	0.5	0.58	1.3	0.37 J	0.37 J	ND		1.8	2.6	0.47 J	ND	0.28 J	2.6	0.20 J	
FRW-2	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	0.13 J	0.37 J	0.43 J	0.51	ND	0.50	0.37 J	0.27 J	0.16 J	0.35 J	1.7	ND	0.47 J	0.20 J	ND	ND	ND		ND	ND	ND	ND	3.3	ND	ND	
FRW-3	18	ND	1.3	ND	ND	ND	ND	1.8	ND	ND	ND	0.30 J	0.39 J	0.35 J	0.29 J	0.36 J	0.43 J	0.47 J	0.71	0.56	1.3	3.6	0.42 J	0.23 J	ND	0.50	ND	0.28 J	0.26 J	1.2 J	0.58	ND	0.23 J	ND	ND	ND	
FRW-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.14 J	0.16 J	0.21 J	0.21 J	ND	ND	ND	0.72	2.4	2.7	0.99	0.22 J	0.69	0.34 J	ND	ND	ND	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND				ND					ND		ND		ND		ND		ND		ND		ND	
RW-2	31	1.2		2.4	1.9	ND	1.7	ND	ND	ND	0.11 J	0.26 J	0.23 J		0.25 J	0.30 J	0.24 J	0.26 J	0.32 J	0.24 J		0.28 J	ND	ND	ND	0.26 J	ND	ND	ND	ND	ND	ND		0.22 J	0.32	ND	
RW-3	ND	ND	0.8 J	ND	1.3	ND	ND	ND	ND	ND	0.27 J	ND	ND		ND	ND	ND		ND			ND		ND		ND		ND		ND		ND		ND		ND	
RW-4	2.1	10	3.0	6.0	ND	ND	4.2	1.9	ND	2.7 J	3.6	3.6	2.6		2.2	2.3	2.1	2.0	2.4	2.7		3.8	1.3	ND	0.22 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
RW-5	ND	ND	ND	2.6	2.0	ND	2.6	ND	ND	1.1 J	0.12 J	ND	ND		ND	ND	ND		ND			ND		ND		ND		ND		ND		ND		ND		ND	
RW-6	8.4	11	6.1	6.5	6.5	4.1	4.2	2.8	0.93 J	2.7 J	2.7	2.0	1.6		1.5	1.1	1.0	0.45 J	0.58	0.56		0.63	0.50	0.89	0.78	0.79	1.3	1.1	0.76	ND	0.38 J	0.32 J		ND	ND		
RW-7	2.7	2.8	1.1	ND	ND	ND	0.77	0.67 J	ND	--	0.29 J	0.21 J	ND		0.21 J	0.14 J	0.18 J	0.34 J	0.17 J	0.16 J		0.20 J	ND	ND	ND	0.21 J	0.25 J	ND	ND	0.46 J	0.40 J	1.0		1.1		ND	
RW-8		2.0	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND																		

TABLE 4

SUMMARY REPORT FOR SEPTEMBER 2016 SEMI-ANNUAL GROUNDWTER SAMPLING
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

CURRENT AND HISTORIC CONCENTRATIONS OF TCA DETECTED IN GROUNDWATER FROM MONITOR WELLS AND RECOVERY WELL, ug/l

Monitor or Recovery Well	Sample Dates																																			
	Mar-07	Oct-07	Mar-08	Sep-08	Mar-09	Sep-09	Mar-10	Sep-10	Mar-11	Sep-11	Mar-12	Jun-12	Aug-12	Sep 4, 2012	Sep-12	Oct-12	Dec-12	Feb-13	Mar-13	Apr-13	June-13 (6-12-2013)	June-13	July-13	Sept-13	Nov-13	Mar-14	Jun-14	Sept-14	Dec-14	Mar-15	Jun-15	Sep-15	Feb-16	Mar-16	Sep-16	
N-1A						ND		ND		ND					ND				ND																	
N-1B		ND		ND		ND		ND		ND					ND				ND					ND		ND		ND		ND		ND				
N-2A						ND		ND		ND					ND				ND																	
N-2B		ND		ND		ND		ND		ND					ND				ND					ND		ND		ND		ND		ND				
N-9								ND		ND					ND																					
N-16	ND	ND	2.8	ND	ND	ND	2.8	4.1	ND	ND	ND				ND				ND					ND		0.33 J		0.51		ND		0.26 J				
N-17		ND		ND		ND		ND		ND					ND				ND																	
N-32					ND	ND	ND	ND	ND	ND	ND				ND				ND						ND		ND		ND		ND		ND	ND	ND	ND
N-32B																																		ND	ND	ND
N-37	ND	ND	ND	ND	ND	ND	ND		ND						ND				ND						ND		ND		ND		ND		ND			
N-38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND		ND		
N-39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND				ND					ND		ND		ND		ND		ND		ND		

*
**DBS – Sample collected using diffusive bag sample method
*** Collected after 4 hours of pumping during execution of Initial Testing Plan

TABLE 5																																			
SUMMARY REPORT FOR SEPTEMBER 2016 SEMI-ANNUAL GROUNDWATER SAMPLING FORMER ROWE INDUSTRIES SUPERFUND SITE 1668 SAG HARBOR TURNPIKE SAG HARBOR, NEW YORK																																			
CURRENT AND HISTORIC CONCENTRATIONS OF TCE DETECTED IN GROUNDWATER FROM MONITOR WELLS AND RECOVERY WELLS, ug/l																																			
Monitor or Recovery Wells	Sample Dates																																		
	Mar-07	Oct-07	Mar-08	Sep-08	Mar-09	Sep-09	Mar-10	Sep-10	Mar-11	Sep-11	Mar-12	Jun-12	Aug-12	Sep 4, 2012	Sep-12	Oct-12	Dec-12	Feb-13	Mar-13	Apr-13	Jun-13	Jun-13	Jul-13	Sep-13	Nov-13	Mar-14	Jun-14	Sept-14	Dec-14	Mar-15	Jun-15	Sept-15	Feb-16	Mar-16	Sep-16
																					(6-12-2013)														
MW-B1		ND		ND		ND		ND		ND	ND				ND				ND					ND		ND			ND			ND		ND	ND
MW-B2										ND	ND				ND				ND					ND				ND							
MW-B3										ND	ND				ND				ND					ND				ND							
MW-B4										ND	ND				ND				ND					ND				ND							ND
FRW-1	ND	7.8	110	ND	2.4	ND	1.2	3.1	ND	ND	1.0	3.7	15	38	39	10	29	25	48	42	3.1	4.8	6.2	4.1	4.4	2.1	6.3	1.5	3.4	1.3	0.89	0.54	5.3	3.8	0.81
FRW-2	ND	ND	10	19	ND	ND	1.7	18	ND	1.4 J	1.8	0.83	8.5	9.8	13	11	13	1.7	1.2	1.4	2.7	9.8	3.1	2.2	6.0	1.9	0.86	2.8	2.1	2.6	ND	1.1	3.3	1.8	1.2
FRW-3	16	20	23	6.6	10	12	3.2	12	2.6	1.5 J	1.1	2.5	8.2	6.6	4.6	8.8	10	7.7	7.8	0.31 J	6.9	18	10	3.1	3.6	8.0	7.9	5.6	2.5	13	3.2	2.5	4.1	7.1	1.4
FRW-4	ND	ND	0.99J	ND	ND	ND	ND	4.5	ND	0.99 J	1.2	1.6	0.86	0.64	0.33 J	ND	0.13 J	1.9	8.8	11	7.5	2.1	4.9	2.7	1.6	1.7	1.2	0.36 J	2.1	ND	ND	0.68	1.1	0.48 J	
RW-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND				ND		ND		ND		ND		ND		ND		
RW-2	ND	ND		ND	ND	ND	ND	ND	ND	ND	0.16 J	0.21 J	0.21 J		0.25 J	0.34 J	0.66	0.71	0.54	0.45 J		0.51	0.54	1.0	0.79	0.63	0.24 J	ND	0.31 J	ND	ND		0.63	0.67	ND
RW-3	ND	ND	2.2	ND	2.5	ND	1.4	0.63 J	ND	0.93 J	0.81	ND	ND		ND	ND	0.18 J		ND			ND		ND		ND		ND		0.21 J		ND		ND	ND
RW-4	ND	1.1	0.57J	ND	ND	ND	ND	ND	ND	ND	0.18 J	0.13 J	0.11 J		0.15 J	0.11 J	0.14 J	0.25 J	ND	0.15 J		ND	ND	0.25 J	ND	ND	0.69	ND	ND		2.6	0.90		0.27 J	ND
RW-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND			ND		ND		ND		ND		ND		ND		ND	
RW-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12 J	0.13 J	0.11 J		0.13 J	0.12 J	0.1 J	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW-7	ND	0.73	ND	ND	ND	ND	ND	ND	ND		0.12 J	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW-8		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND			ND		ND		ND		ND		ND		ND		ND	
RW-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND			ND		ND		ND		ND		ND		ND		ND	
MW-28A	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	ND					ND	ND		0.34 J					2.8		ND		ND		ND		ND		ND	ND
MW-28B	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND					0.49 J	0.49 J		0.19 J					ND		0.22 J		ND		ND		ND		ND	ND
MW-42B	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND				ND							ND
MW-43A	ND						ND			ND	0.16 J				0.22 J				ND					ND		ND	ND	ND	ND	ND	ND	ND	ND		ND
MW-43B	ND	ND	ND	ND	ND	ND	2.8	ND	ND	ND	ND				ND				ND					ND		ND	ND	ND	ND	ND	ND	ND	ND		ND
MW-43C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND	ND	ND	ND	ND	ND	ND			ND
MW-44A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND			ND	ND	
MW-44B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND			ND	ND	
MW-44C	ND	ND		ND		ND		ND		ND					ND				ND					ND		ND		ND		ND			ND	ND	
MW-45A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND	ND	ND		ND	ND				ND		ND		ND		ND			ND	ND	
MW-45B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND				ND				ND		ND		ND		ND			ND	ND	
MW-46A		0.59	ND	ND	ND	ND	ND	ND	ND	ND	0.24 J				ND				0.15 J					0.27 J		ND		ND		ND					
MW-46B						ND		ND		ND					ND				ND					ND		ND		ND		ND					
MW-47A		0.97	14		ND	ND	2.8	ND	ND	1.7 J	0.77								1.4					0.44 J		0.76		ND		ND				0.52	dry
MW-47B				ND		ND		ND		ND					ND				ND					ND		ND		ND		ND			ND	ND	
MW-48A										ND														ND		ND		ND		ND			ND		
MW-48B		ND		ND		ND		ND		ND	ND				ND									ND		ND		ND		ND			ND		
MW-49A	ND		ND	ND		ND	ND	ND	ND	ND		ND			ND		ND		ND			ND		ND		ND		ND		ND			ND		
MW-49B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		0.1 J		ND			ND		ND		ND		ND		ND			ND		
MW-49C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND				ND			ND		ND		ND		ND		ND			ND		
MW-50A								ND		ND					ND									ND		ND		ND		ND			ND		
MW-50B		ND		ND		ND		ND		ND					ND									ND		ND		ND		ND			ND		
MW-50C								ND		ND					ND									ND		ND		ND		ND</					

TABLE 5																																				
SUMMARY REPORT FOR SEPTEMBER 2016 SEMI-ANNUAL GROUNDWATER SAMPLING																																				
FORMER ROWE INDUSTRIES SUPERFUND SITE																																				
1668 SAG HARBOR TURNPIKE																																				
SAG HARBOR, NEW YORK																																				
CURRENT AND HISTORIC CONCENTRATIONS OF TCE DETECTED IN GROUNDWATER FROM MONITOR WELLS AND RECOVERY WELLS, ug/l																																				
Monitor or Recovery Wells	Sample Dates																																			
	Mar-07	Oct-07	Mar-08	Sep-08	Mar-09	Sep-09	Mar-10	Sep-10	Mar-11	Sep-11	Mar-12	Jun-12	Aug-12	Sep 4, 2012	Sep-12	Oct-12	Dec-12	Feb-13	Mar-13	Apr-13	Jun-13	Jun-13	Jul-13	Sep-13	Nov-13	Mar-14	Jun-14	Sept-14	Dec-14	Mar-15	Jun-15	Sept-15	Feb-16	Mar-16	Sep-16	
																					(6-12-2013)															
N-1A						ND		ND		ND					ND					ND																
N-1B		ND		ND		ND		ND		ND					ND					ND				ND		ND		ND		ND		ND				
N-2A						ND		ND		ND					ND					ND																
N-2B		ND		ND		ND		ND		ND					ND					ND				ND		ND		ND		ND		ND		ND		
N-9									ND		ND				ND																					
N-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND					ND				ND		ND		ND		ND		ND		ND		
N-17		ND		ND		ND		ND		ND					ND					ND																
N-32					ND	ND	ND	ND	ND	ND	ND				ND					ND				ND		ND		ND		ND		ND		ND	ND	ND
N-32B																																		ND	ND	ND
N-37	ND	ND	ND	ND	ND	ND	ND	ND		ND					ND					ND				ND		ND		ND		ND		ND		ND		
N-38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND					ND				ND		ND		ND		ND		ND		ND		
N-39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND					0.12 J					ND		ND		0.49 J		0.47 J		0.77			

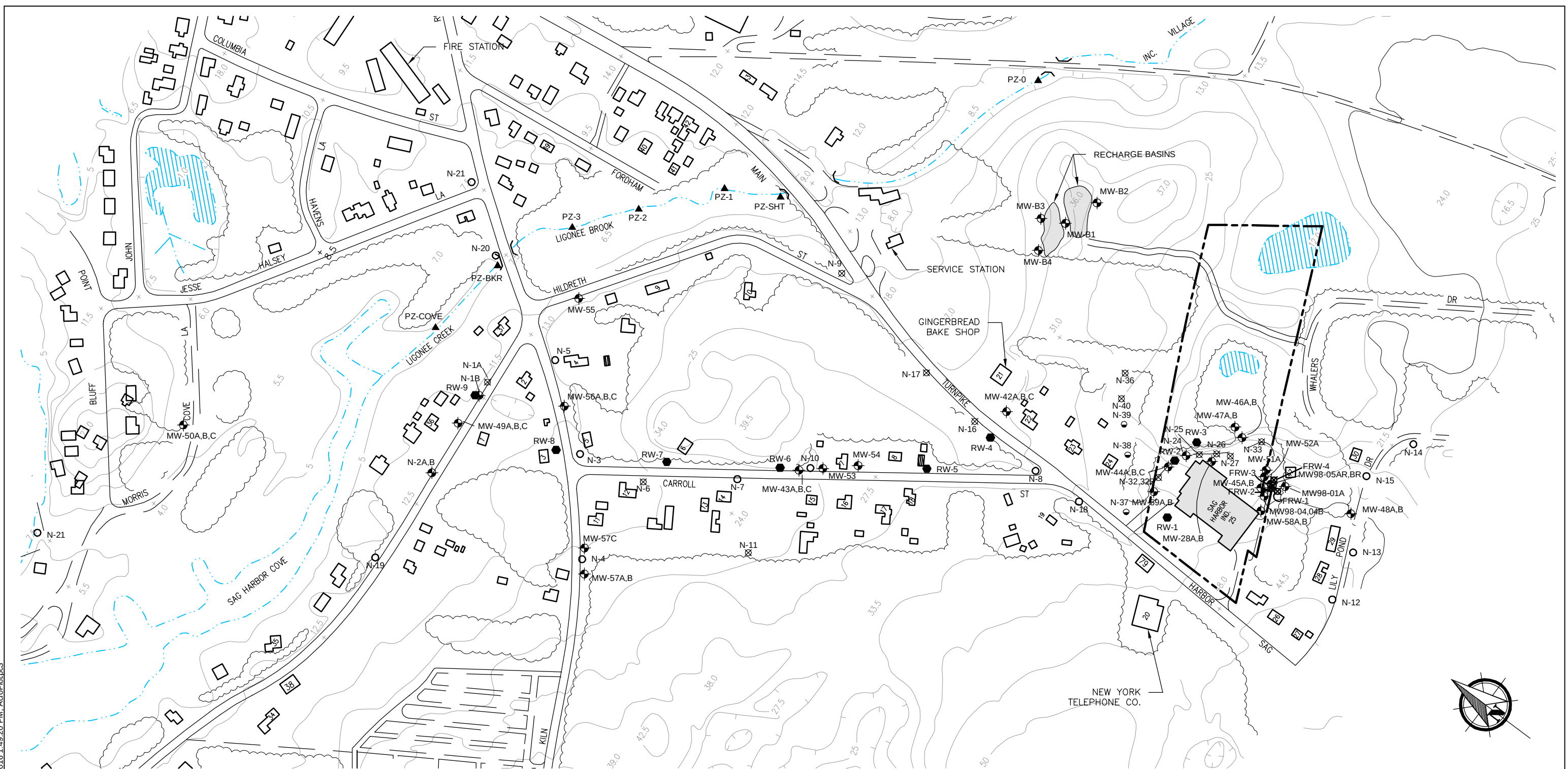
**SUMMARY REPORT FOR SEPTEMBER 2016 SEMI-ANNUAL GROUNDWATER SAMPLING
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK**

Monitor or Recovery Wells	Sample Dates																																			
	Mar-07	Oct-07	Mar-08	Sep-08	Sep-09	Mar-10	Sep-10	Mar-11	Sep-11	Mar-12	Jun-12	Aug-12	Sep 4, 2012	Sep-12	Oct-12	Dec-12	Feb-13	Mar-13	Apr-13	June-13 (6-12-2013)	June-13	July-13	Sep-13	Nov-13	Mar-14	Jun-14	Sept-14	Dec-14	Mar-15	Jun-15	Sep-15	Feb-16	Mar-16	Sep-16		
MW-B1				ND	ND		ND		ND	ND				ND				ND					ND		ND		ND		ND			ND		ND		
MW-B2									ND	ND				ND				ND					ND		ND		ND				ND			ND		
MW-B3									ND	ND				ND				ND					ND				ND									
MW-B4										ND				ND				ND					ND				ND								ND	
FRW-1	620	10	43	ND	ND	8.3	79	ND	ND	3.0	10	150	130	170	190	60	15	110	290	6.1	8.7	27	110	11	8.6	4.5	12	5.8	1.2	1.9	1.6	5.9	7.9	1.6		
FRW-2	180	12	73	110	0.62	14	34	2.9	1.4	4.6	0.32 J	87	68	42	25	51	70	69	47	22	14	17	160	16	15	0.34 J	15	0.77	13	ND	0.35 J	5.2	1.2	0.39 J		
FRW-3	110	11	160	8.4	50	19	62	17	2.4	4.0	2.9	41	34	45	37	25	69	120	370	46	70	35	21	10	37	13	27	2.0	81	5.1	10	23	29	2.2		
FRW-4	ND	ND	ND	ND	ND	ND	0.52	ND	3.1	6.8	2.4	19	21	25	14	1.1	2.4	43	39	9.3		3.0	4.9	4.1	7.5	1.2	4.3	11	2.9	3.1	ND	0.61	4.4	5.4	3.8	
RW-1	ND			ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND		ND			
RW-2	ND	0.65		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	0.70	0.57	0.81	0.59			0.39 J	0.61	2.1	1.8	0.70	0.54	0.51	ND	ND	ND		ND		ND	
RW-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND				ND		ND		ND		ND		ND		ND		ND		
RW-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND		ND	0.28 J	1.7		ND	ND
RW-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND				ND		ND		ND		ND		ND		ND		ND		
RW-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	0.28 J	0.54	ND	ND	ND	ND	ND		ND		ND
RW-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND
RW-8			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND				ND		ND		ND		ND		ND		ND		ND		ND
RW-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND				ND		ND		ND		ND		ND		ND		ND		ND
MW-28A	ND	ND	ND	24	ND	ND	ND	ND	ND	ND					ND	ND		1.7																		

TABLE 6																																				
SUMMARY REPORT FOR SEPTEMBER 2016 SEMI-ANNUAL GROUNDWATER SAMPLING																																				
FORMER ROWE INDUSTRIES SUPERFUND SITE																																				
1668 SAG HARBOR TURNPIKE																																				
SAG HARBOR, NEW YORK																																				
CURRENT AND HISTORIC CONCENTRATIONS OF cisDCE DETECTED IN GROUNDWATER FROM MONITOR AND RECOVERY WELLS, ug/l																																				
Monitor or Recovery Wells	Sample Dates																																			
	Mar-07	Oct-07	Mar-08	Sep-08	Sep-09	Mar-10	Sep-10	Mar-11	Sep-11	Mar-12	Jun-12	Aug-12	Sep 4, 2012	Sep-12	Oct-12	Dec-12	Feb-13	Mar-13	Apr-13	June-13 (6-12-2013)	June-13	July-13	Sep-13	Nov-13	Mar-14	Jun-14	Sept-14	Dec-14	Mar-15	Jun-15	Sep-15	Feb-16	Mar-16	Sep-16		
N-1A					ND		ND		ND					ND				ND																		
N-1B		ND		ND	ND		ND		ND					ND				ND					ND			ND		ND		ND						
N-2A					ND		ND		ND					ND				ND																		
N-2B		ND		ND	ND		ND		ND					ND				ND					ND			ND		ND		ND						
N-9							ND		ND					ND																						
N-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND			ND		ND		ND		ND				
N-17		ND		ND	ND		ND		ND					ND				ND																		
N-32					ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND	ND	ND	ND	ND	
N-32B																																		ND	ND	ND
N-37	ND	ND	ND		ND	ND		ND		ND				ND				ND					ND		ND		ND		ND		ND					
N-38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND	ND	ND		ND		ND					
N-39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				0.13 J				ND					ND		ND		ND		ND		ND					

FIGURES

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LEGEND

- PROPERTY BOUNDARY
- ⊗ N-36 LOCATED SCDHS WELL
- N-37 REPAIRED SCDHS WELL
- N-13 UNLOCATED SCDHS WELL
- ⊠ PROPERTY OWNERS WELL
- ▲ PZ-2 PIEZOMETER
- ⊕ MW-43A GROUNDWATER MONITOR WELL
- RW-1 RECOVERY WELL
- ⊗ FRW-1 FOCUSED REMEDIATION RECOVERY WELL (APPROXIMATE LOCATION)

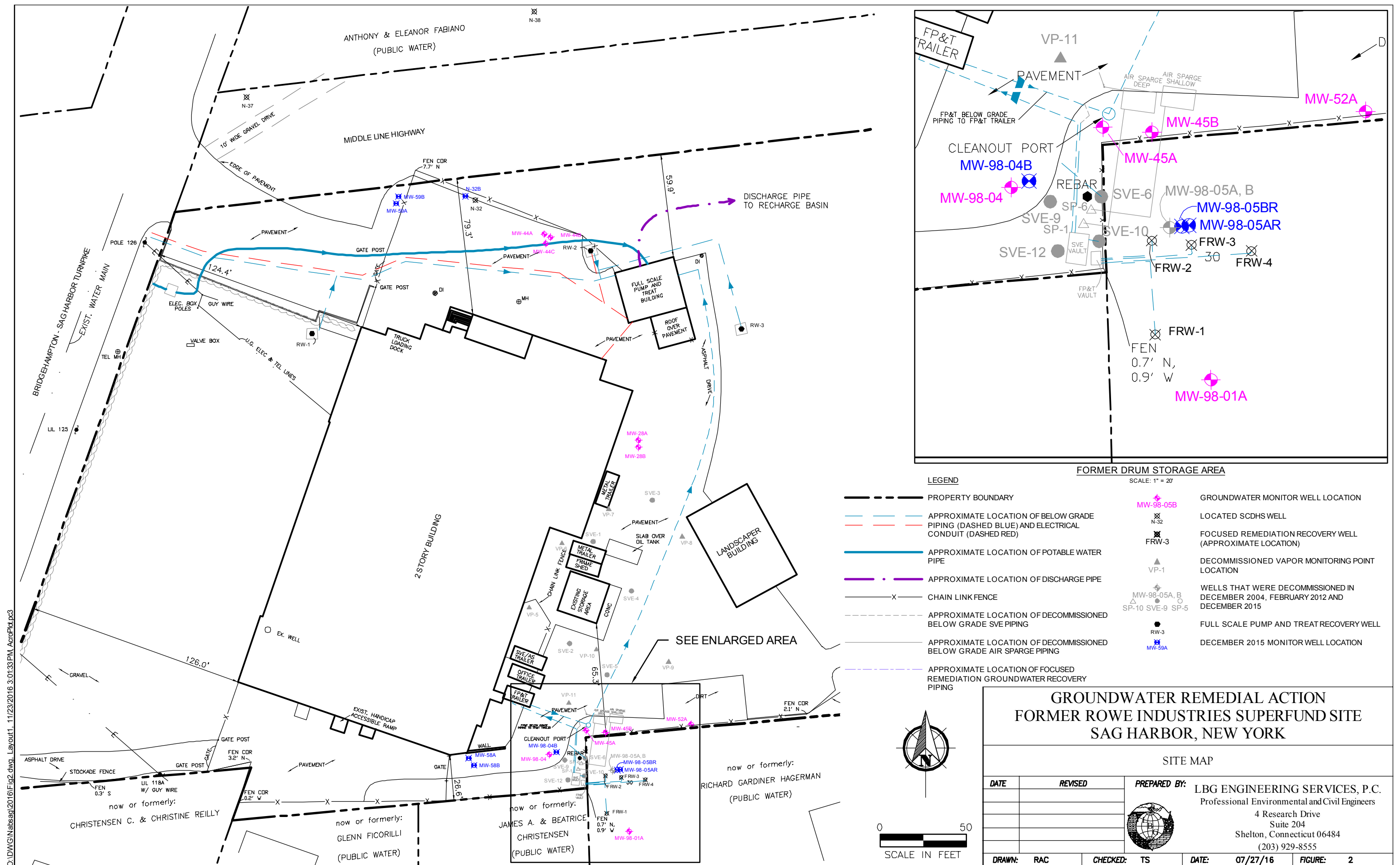
NOTE:
1. MW98 MONITOR WELL LOCATIONS ARE APPROXIMATE.



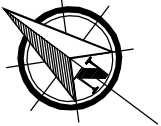
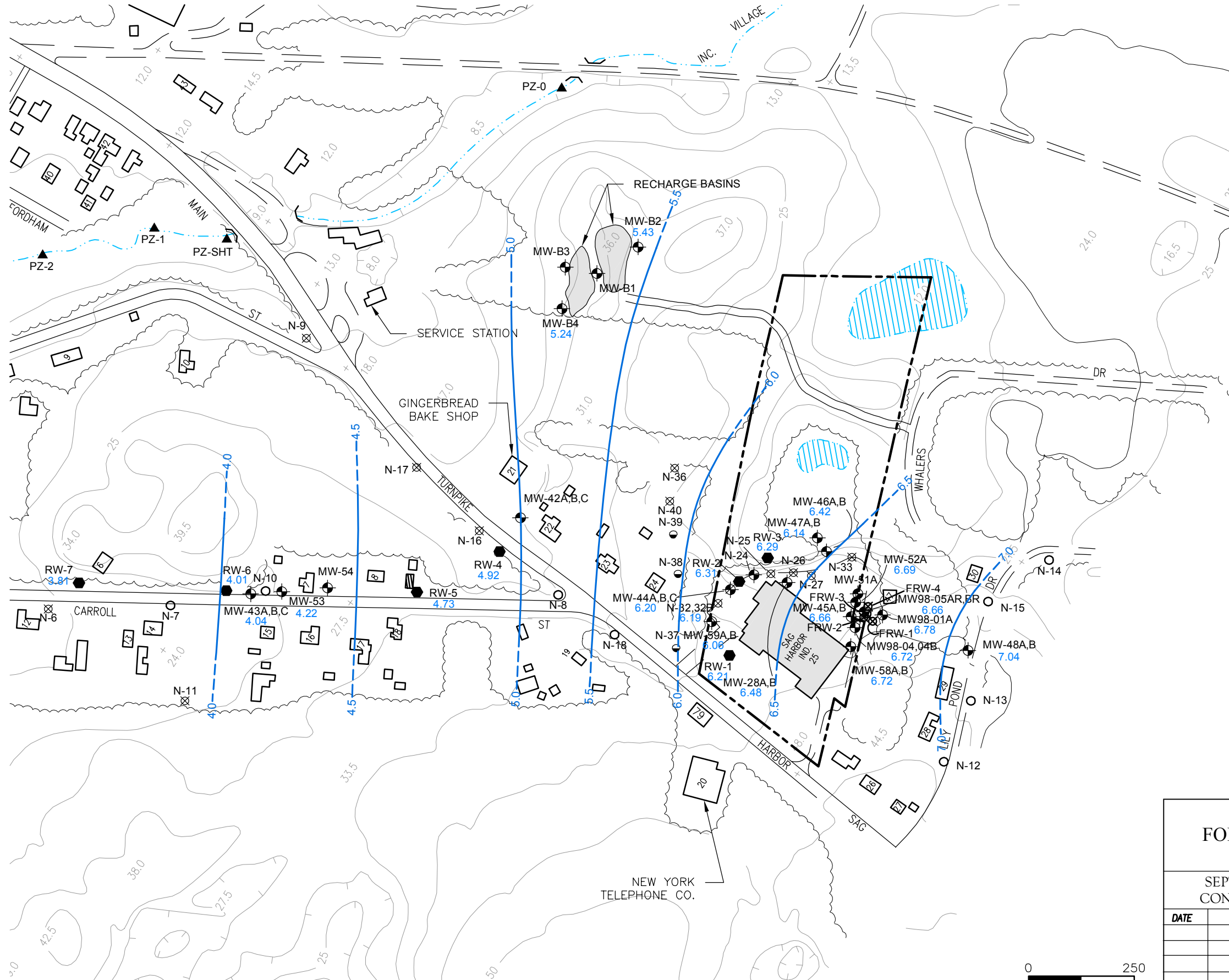
GROUNDWATER REMEDIAL ACTION
FORMER ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

AREA MAP

DATE		REVISED	PREPARED BY:	
			 LBG ENGINEERING SERVICES, P.C. Professional Environmental and Civil Engineers 4 Research Drive Suite 204 Shelton, Connecticut 06484 (203) 929-8555	
DRAWN:	RAC	CHECKED:	MG	DATE: 06/07/16
				FIGURE: 1



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LEGEND

- PROPERTY BOUNDARY
- N-36 LOCATED SCDHS WELL
- N-37 REPAIRED SCDHS WELL
- N-13 UNLOCATED SCDHS WELL
- PROPERTY OWNERS WELL
- PZ-2 ▲ PIEZOMETER
- MW-43A GROUNDWATER MONITOR WELL
- RW-1 RECOVERY WELL
- FRW-1 FOCUSED REMEDIATION RECOVERY WELL (APPROXIMATE LOCATION)
- 4.0 --- GROUNDWATER ELEVATION CONTOUR LINE (DASHED WHERE INFERRED)
- 6.21 GROUNDWATER ELEVATION IN FEET

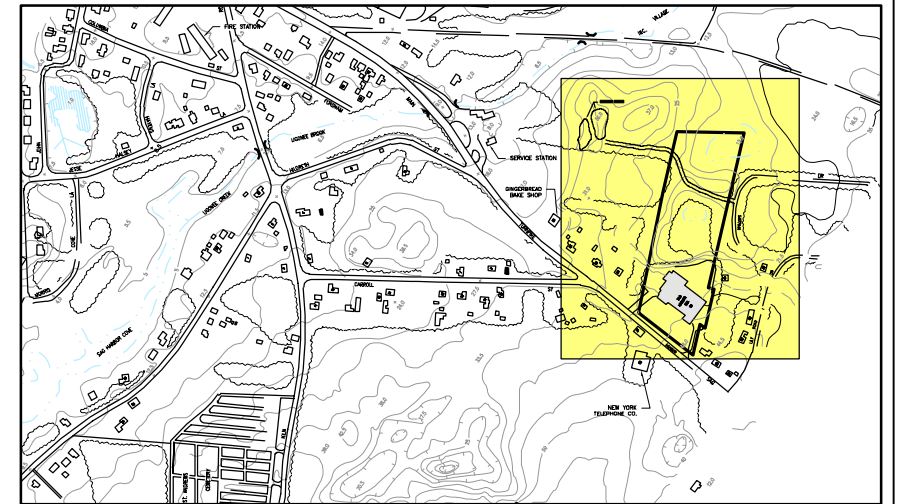
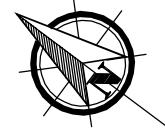
GROUNDWATER REMEDIAL ACTION FORMER ROWE INDUSTRIES SUPERFUND SITE SAG HARBOR, NEW YORK

SEPTEMBER 2016 GROUNDWATER ELEVATION CONTOUR MAP
CONDITIONS WITHOUT FSP&T AND FP&T SYSTEMS OPERATING

DATE	REVISED	PREPARED BY: LBG ENGINEERING SERVICES, P.C. Professional Environmental and Civil Engineers 4 Research Drive Suite 204 Shelton, Connecticut 06484 (203) 929-8555	
			
DRAWN: RAC	CHECKED: TS	DATE: 10/27/16	FIGURE: 3

0 250
SCALE IN FEET

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KEY MAP
SCALE: 1" = 1000'

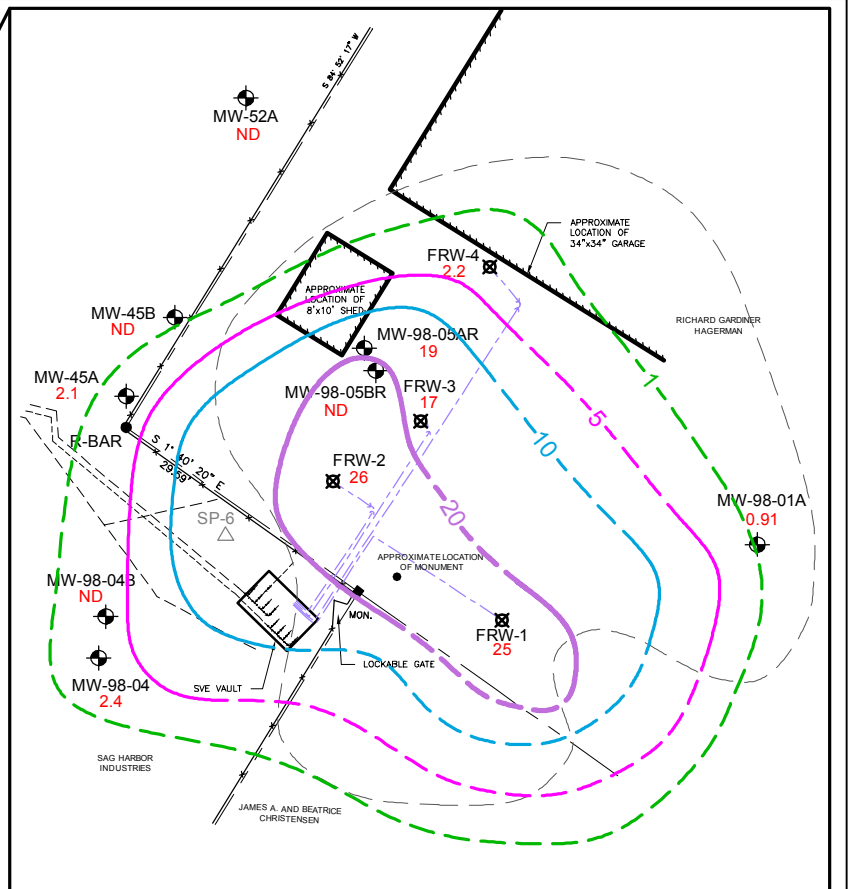
- LEGEND**
- LOCATED SCDHS WELL
 - REPAIRED SCDHS WELL
 - UNLOCATED SCDHS WELL
 - PROPERTY OWNERS WELL
 - GROUNDWATER MONITOR WELL
 - RECOVERY WELL
 - FOCUSED REMEDIATION RECOVERY WELL (APPROXIMATE LOCATION)
 - GROUNDWATER ELEVATION CONTOUR LINE (DASHED WHERE INFERRED)
 - APPROXIMATE CAPTURE ZONE
 - GROUNDWATER ELEVATION IN FEET

NOTE:
1. MW98 MONITOR WELL LOCATIONS ARE APPROXIMATE.
2. GROUNDWATER ELEVATIONS WITH RW-2 AND FRWs OPERATING.

GROUNDWATER REMEDIAL ACTION FORMER ROWE INDUSTRIES SUPERFUND SITE SAG HARBOR, NEW YORK

SEPTEMBER 2016 GROUNDWATER ELEVATION CONTOUR MAP
AND CAPTURE ZONE WITH FP&T AND FSP&T SYSTEMS OPERATING

DATE	REVISED	PREPARED BY:	
		LBG ENGINEERING SERVICES, P.C.	
		Professional Environmental and Civil Engineers	
		4 Research Drive	
		Suite 204	
		Shelton, Connecticut 06484	
		(203) 929-8555	
DRAWN:	RAC	CHECKED:	MG
		DATE:	12/15/16
		FIGURE:	4



LEGEND

	N-36	LOCATED SCDHS WELL
	N-37	REPAIRED SCDHS WELL
	N-13	UNLOCATED SCDHS WELL
		PROPERTY OWNERS WELL
	MW-44A	GROUNDWATER MONITOR WELL
	RW-1	RECOVERY WELL
	FRW-1	FOCUSED REMEDIATION RECOVERY WELL (APPROXIMATE LOCATION)
25		PCE CONCENTRATION (ppb)
ND		NOT DETECTED
— — — —		APPROXIMATE EXTENT OF SHALLOW CLAY LENS
1	PCE CONCENTRATION CONTOURS (ppb) (DASHED WHERE INFERRED)	

GROUNDWATER REMEDIAL ACTION FORMER ROWE INDUSTRIES SUPERFUND SITE SAG HARBOR, NEW YORK

SEPTMBER 2016 PCE PLUME MAP

DATE	REVISED	PREPARED BY: LBG ENGINEERING SERVICES, P.C. Professional Environmental and Civil Engineers 4 Research Drive Suite 204 Shelton, Connecticut 06484 (203) 929-8555					
							
DRAWN:	RAC	CHECKED:	MG	DATE:	12/15/16	FIGURE:	5

NOTE:

1. MW98 MONITOR WELL LOCATIONS ARE APPROXIMATE.
2. GROUNDWATER ELEVATIONS WITH RW-2 OPERATING.



APPENDIX I

Low-Flow Sampling Logs

**LEGGETTE, BRASHEARS & GRAHAM, INC.**PAGE 1 OF 1SAMPLE DATE: 9.13.16**LOW-FLOW SAMPLING LOG**

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): Sierra A Monitoring Equipment: Horiba
Well I.D. RW-3 Screen Setting (ft btoc): 13 to 37
Well Diameter (inches): 8" Tubing Intake (ft btoc): ~32
Total Depth (ft btoc): _____ Comments: Pump on @ 16:15
Depth to Water (ft btoc): 7.05 Time: 16:05 Well condition: Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity ^{ms} (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
16:17	7.06	250	6.97	0.174	0	10.70	20.30	29
16:20	7.06		6.41	0.168	0	6.16	18.76	8
16:23			6.21	0.165	0	3.33	17.91	8
16:26			6.07	0.162	0	2.29	17.64	10
16:29			6.06	0.163	0	1.91	17.30	13
16:32			6.07	0.163	0	1.70	17.17	10
16:35			6.05	0.163	0	1.61	16.94	11
16:38			6.03	0.163	0	1.62	16.89	11

Total Volume of Groundwater Purged (gal): 2.3**Stabilization of Parameters (stabilization achieved for three consecutive measurements)**

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
16:32	16:35	0	0	0.02	0	0	3.5	1.3	7
16:35	16:38	0	0	0.02	0	0	1.2	0.3	0
16:32	16:38	0	0	0.04	0	0	4.7	1.6	7

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>

Sample Time: 16:40Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts



Leggette, Brashears & Graham, Inc.

PAGE 1 OF 1SAMPLE DATE: 9/13/16

TOTAL # WELLS: _____

low-flow sampling log

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): Bm Monitoring Equipment: Horiba
Well I.D. Rw-4 Screen Setting (ft btoc): 27 to 48
Well Diameter (inches): 6 Tubing Intake (ft btoc): 32
Total Depth (ft btoc): 48.0 Comments: Pump on @ 1619
Depth to Water (ft btoc): 14.11 Time: 1608 Well condition: OK

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1624	14.11	100	6.72	0.137	33.5	1.53	18.74	27
1627	14.11	100	6.93	0.137	30.0	0.92	17.85	-17
1630	14.11	100	7.08	0.136	27.3	0.59	17.62	-41
1633	14.11	100	7.06	0.136	27.9	0.38	17.43	-50
1636	14.11	100	6.94	0.136	26.2	0.26	17.25	-50
1639	14.11	100	6.74	0.137	25.7	0.15	17.08	-46
1642	14.11	100	6.56	0.137	26.3	0.05	16.90	-43
1645	14.11	100	6.55	0.137	26.2	0.00	16.85	-44
1648	14.11	100	6.54	0.137	26.3	0	16.87	-44

Total Volume of Groundwater Purged (gal): ~1

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
1642	1645	0	100	0.01	0	0.38	0	0.29	1
1645	1648	0	100	0.01	0	0.38	0	0.11	0
1642	1648	0	100	0.02	0	0	0	0.17	1
Recommended Stabilization		+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)		Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 1650Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts



Leggette, Brashears & Graham, Inc.

PAGE 1 OF 1

SAMPLE DATE: 9/14/16

low-flow sampling log

TOTAL # WELLS: _____

Client Name: Rowe Industries
Project Location: Sag Harbor, NY
Sampler(s): BM
Well I.D.: RW-6
Well Diameter (inches): 6
Total Depth (ft btoc): 79.6
Depth to Water (ft btoc): 17.73 Time: 0931

Sample Pump: geopump (peristaltic)
Tubing Type: PE & Silicone
Monitoring Equipment: Horiba
Screen Setting (ft btoc): 30 to 80
Tubing Intake (ft btoc): - 69
Comments: Pump on @ : 0941
Well condition: OK

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
0948	17.73	100	5.98	0.362	28.3	0.66	17.04	104
0951	17.73	100	5.94	0.364	29.1	0.48	17.14	112
0954	17.73	100	5.92	0.366	29.2	0.34	17.26	120
0957	17.73	100	5.91	0.367	29.4	0.27	17.26	126
1000	17.74	100	5.91	0.368	29.4	0.20	17.19	129
1003	17.74	100	5.90	0.368	16.5	0.19	17.18	133
1006	17.74	100	5.90	0.368	8.3	0.17	17.22	136
1009	17.74	100	5.91	0.368	4.2	0.17	17.19	139

Total Volume of Groundwater Purged (gal): ~1

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
1003	1006	0	100	0	0		10	0.23	3
1006	1009	0	100	0.1	0	< 10	0	0.17	3
1003	1009	0	100	0.1	0		10	0.05	6

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)	Y	Y	Y	Y	N	Y	Y	Y

Sample Time: 1010

Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts

**LEGGETTE, BRASHEARS & GRAHAM, INC.**PAGE 1 OF 1SAMPLE DATE: 9.15.16**LOW-FLOW SAMPLING LOG**

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): Sierra Monitoring Equipment: Horiba
Well I.D. MW-28A Screen Setting (ft btoc): 30 to 40
Well Diameter (inches): 2" Tubing Intake (ft btoc): 35
Total Depth (ft btoc): 39.29 Comments: Pump on @ 7:25
Depth to Water (ft btoc): 19.68 Time: 7:15 Well condition: Missing 1 bolt - Replaced

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature ($^{\circ}$ C)	ORP (mv)
7:28	19.71	350	6.48	0.250	91.8	3.74	18.13	76
7:31	19.71		6.39	0.238	78.0	2.52	17.77	35
7:34	19.71		6.39	0.229	63.9	1.86	17.43	15
7:37			6.34	0.227	48.0	1.63	17.20	7
7:40			6.34	0.225	46.5	1.35	16.96	2
7:43			6.38	0.223	51.5	1.22	16.79	-5
7:46			6.41	0.225	47.2	1.14	16.70	-9
7:49			6.41	0.225	44.1	1.09	16.57	-12
7:52			6.44	0.228	42.6	1.04	16.46	-16

Total Volume of Groundwater Purged (gal): 2.8**Stabilization of Parameters (stabilization achieved for three consecutive measurements)**

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature ($^{\circ}$ C)	ORP (mv)
FROM	TO								
7:46	7:49	0	0	0	0	6.6	4.3	0.8	3
7:49	7:52	0	0	0.03	1.3	3.4	4.6	0.7	4
7:46	7:52	0	0	0.03	1.3	9.7	8.8	1.4	7

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>

Sample Time: 7:55Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

$^{\circ}$ C degrees Celsius
mv millivolts



SAMPLE DATE: 9.15.16

LOW-FLOW SAMPLING LOG

TOTAL # WELLS: _____

Client Name: Rowe Industries
Project Location: Sag Harbor, NY
Sampler(s): Sierra A
Sample Pump: geopump (peristaltic)
Tubing Type: PE & Silicone
Monitoring Equipment: Horiba

Well I.D. MW-28B
Well Diameter (inches): 2"
Total Depth (ft btoc): 49.46
Depth to Water (ft btoc): 19.60 Time: 8:00
Screen Setting (ft btoc): 40 to 50
Tubing Intake (ft btoc): 45
Comments: Pump on @ 8:13
Well condition: Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
8:16	19.61	250	6.31	0.162	22.2	9.91	17.16	48
8:19			6.26	0.160	17.5	2.06	16.79	42
8:22			6.23	0.159	16.9	1.40	16.59	38
8:25			6.23	0.159	9.3	1.17	16.44	35
8:28			6.26	0.160	10.3	1.04	16.34	31
8:31			6.24	0.162	8.8	0.98	16.32	30
8:34			6.24	0.164	9.9	0.92	16.27	28
8:37			6.24	0.164	9.2	0.90	16.19	27

Total Volume of Groundwater Purged (gal): 18

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
8:31	8:34	0	0	0	1.2	11.1	6.1	0.3	2
8:34	8:37	0	0	0	0	8.0	2.2	0.5	10
8:31	8:37	0	0	0	1.2	4.3	8.2	0.8	3

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)	Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 8:40

Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts



LOW-FLOW SAMPLING LOG

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): Sierra A Monitoring Equipment: Horiba
Well I.D. N-32 Screen Setting (ft btoc): 31 to 33
Well Diameter (inches): 2" Tubing Intake (ft btoc): 28.5
Total Depth (ft btoc): 36.82 Comments: Pump on @ 8:35
Depth to Water (ft btoc): 26.48 Time: 8:28 Well condition: Good Note: this is the deep well in cluster

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
8:38	27.16	250	8.84	0.367	21.1	12.11	19.82	-66
8:41	27.20		9.07	0.374	18.9	1.91	20.26	-104
8:44	27.25		8.32	0.383	19.2	1.66	20.30	-119
8:47	27.27		8.19	0.389	19.1	1.32	20.36	-132
8:50	27.30		8.16	0.392	19.2	1.15	20.38	-155
8:53	27.30		7.51	0.390	18.5	1.03	20.68	-138
8:56	27.30		7.11	0.433	18.5	1.03	20.78	-120
8:59	27.31		7.00	0.437	17.3	1.07	20.91	-110
9:02	27.31		6.87	0.437	17.5	1.04	20.99	-102
9:05	27.32		6.77	0.433	16.7	0.99	21.18	-92

Total Volume of Groundwater Purged (gal): —

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
			See Pg. 2						
Recommended Stabilization		+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)									

Sample Time: _____

Reviewed by: _____

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts

**LEGGETTE, BRASHEARS & GRAHAM, INC.**PAGE 2 OF 2SAMPLE DATE: 9.14.16**LOW-FLOW SAMPLING LOG**

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): Serra A. Monitoring Equipment: Horiba
Well I.D.: N-320 Screen Setting (ft btoc): 17 to 27
Well Diameter (inches): 2" Tubing Intake (ft btoc): ~28.5
Total Depth (ft btoc): 30.82 Comments: Pump on @ 8:35
Depth to Water (ft btoc): 26.48 Time: 8:28 Well condition: Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
9:08	27.34	250	6.66	0.432	17.2	0.97	21.26	-87
9:11	27.38	↓	6.62	0.420	16.6	1.00	22.06	-80
9:14	27.41	↓	6.55	0.415	16.1	0.95	22.28	-75
9:17	27.43	↓	6.53	0.416	15.8	0.91	22.37	-72

Total Volume of Groundwater Purged (gal): 30**Stabilization of Parameters (stabilization achieved for three consecutive measurements)**

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
9:11	9:14	0.03	0	0.07	1.2	~~0.03~~ 3.0	5.0	1.0	5
9:14	9:17	0.02	0	0.02	0.2	~~0.02~~ 2.0	4.2	0.4	3
9:11	9:17	0.05	0	0.09	1.0	4.8	4.2	1.4	8

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>

Sample Time: 9:20 Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts



LEGGETTE, BRASHEARS & GRAHAM, INC.

PAGE 1 OF 2SAMPLE DATE: 9.14.16

LOW-FLOW SAMPLING LOG

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): Sierra A Monitoring Equipment: Horiba
Well I.D. N-32B Screen Setting (ft btoc): 2017 to 2027
Well Diameter (inches): 2" Tubing Intake (ft btoc): ~27
Total Depth (ft btoc): 27.53 Comments: Pump on @ 9:27
Depth to Water (ft btoc): 26.53 Time: 9:24 Well condition: Good Note: this is the shallow well in cluster

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature ($^{\circ}$ C)	ORP (mv)
9:30	26.62	200	6.74	0.760	107	4.70	22.24	3
9:33	26.62	1	6.72	0.714	104	4.16	21.78	15
9:36	26.62		6.59	0.663	833	3.77	21.62	31
9:39	1		6.47	0.627	57.9	3.79	21.41	46
9:42	1		6.42	0.608	37.8	3.55	21.54	55
9:45	1		6.40	0.598	22.2	4.98	21.74	65
9:48	1		6.34	0.575	25.0	4.93	21.75	71
9:51	1		6.28	0.552	13.4	4.86	21.78	82
9:54	1		6.23	0.541	12.3	4.84	21.78	89
9:57	1	1	6.20	0.529	9.8	4.83	21.55	93

Total Volume of Groundwater Purged (gal): —

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ s/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature ($^{\circ}$ C)	ORP (mv)
FROM	TO								
		See Pag. 2							

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)								

Sample Time: _____ Reviewed by: _____

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

$^{\circ}$ C degrees Celsius
mv millivolts

**LEGGETTE, BRASHEARS & GRAHAM, INC.**PAGE 2 OF 2SAMPLE DATE: 9.14.16**LOW-FLOW SAMPLING LOG**

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): Sierra A. Monitoring Equipment: Horiba
Well I.D. N-32B Screen Setting (ft btoc): 17 to 27
Well Diameter (inches): 2" Tubing Intake (ft btoc): _____
Total Depth (ft btoc): 27.53 Comments: Pump on @ 9:27
Depth to Water (ft btoc): 26.53 Time: 9:24 Well condition: Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity ms (µs/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
10:00	26.62	200	6.16	0.518	9.1	4.76	21.67	100
10:03	1	1	6.13	0.510	6.1	4.93	21.75	105
10:06	1	1	6.10	0.509	4.7	4.94	21.80	110

Total Volume of Groundwater Purged (gal): 2.25**Stabilization of Parameters (stabilization achieved for three consecutive measurements)**

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (µs/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
10:00	10:03	0	0	0.03	1.5	33	3.4	0.5	5
10:03	10:06	0	0	0.03	0.2	23	0.2	0.2	5
10:00	10:06	0	0	0.06	1.7	48	3.6	0.6	10

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)	Y	Y	Y	Y	N	Y	Y	Y

Sample Time: 10:10 Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
µs/cm microseimons per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts



Leggette, Brashears & Graham, Inc.

PAGE 1 OF 1SAMPLE DATE: 9/14/16

low-flow sampling log

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): BM Monitoring Equipment: Horiba
Well I.D.: MW-42B Screen Setting (ft btoc): 56 to 66
Well Diameter (inches): 2 Tubing Intake (ft btoc): 61
Total Depth (ft btoc): 64.45 Comments: Pump on @ : 0844
Depth to Water (ft btoc): 16.69 Time: 0837 Well condition: GOOD

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
0851	16.66	100	6.73	0.181	6.9	1.61	16.72	80
0854	16.66	100	6.63	0.180	5.1	1.10	16.69	40
0857	16.66	100	6.59	0.180	4.6	0.92	16.55	31
0900	16.66	100	6.59	0.180	4.3	0.76	16.43	24
0903	16.66	100	6.57	0.180	3.8	0.75	16.41	22
0906	16.66	100	6.55	0.180	3.4	0.73	16.39	21

Total Volume of Groundwater Purged (gal): ~1

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
0900	0903	0	100	6.02	0		1.3	0.12	2
0903	0906	0	100	6.02	0	<10 NTU	2.7	0.12	1
0900	0906	0	100	6.04	0		4.0	0.24	3
Recommended Stabilization		+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)		Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 0908Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts



Leggette, Brashears & Graham, Inc.

PAGE 1 OF 1SAMPLE DATE: 9/13/16

low-flow sampling log

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): BM Monitoring Equipment: Horiba
Well I.D. MW-43A Screen Setting (ft btoc): 14 to 29
Well Diameter (inches): 2 Tubing Intake (ft btoc): -23
Total Depth (ft btoc): 28.4 Comments: Pump on @ 1256
Depth to Water (ft btoc): 18.85 Time: 1250 Well condition: OK

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1304	18.85	100	5.93	0.293	2.0	3.42	26.00	169
1307	18.85	100	5.88	0.295	1.2	2.51	26.39	185
1310	18.85	↓	5.92	0.304	0	3.41	26.11	189
1313	18.85	↓	5.87	0.315	0	3.46	25.98	192
1316	18.85	↓	5.94	0.294	0	3.20	25.97	193

Total Volume of Groundwater Purged (gal): ~0.75

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
1310	1313	0	100	0.05	3.6	0	1.5	0.5	3
1313	1316	↓	100	0.07	6.6	0	7.5	0	1
1310	1316	↓	100	0.02	3.0	0	6.0	0.5	4

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)	Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 1319Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts



Leggette, Brashears & Graham, Inc.

PAGE 1 OF 1SAMPLE DATE: 9/13/16

low-flow sampling log

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): BM Monitoring Equipment: Horiba
Well I.D.: MW-43B Screen Setting (ft btoc): 64 to 74
Well Diameter (inches): 2 Tubing Intake (ft btoc): ~ 69
Total Depth (ft btoc): 72.63 Comments: Pump on @ : 1205
Depth to Water (ft btoc): 19.07 Time: 1156 Well condition: Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1216	19.08	100	5.97	0.341	15.9	2.72	24.71	210
1219	19.08		5.94	0.362	24.9	2.91	22.77	202
1222	19.08		5.93	0.366	33.1	2.58	22.37	190
1225	19.08		5.81	0.364	33.0	2.74	22.65	185
1228	19.08		5.88	0.375	22.6	3.00	20.84	178
1231	19.08		5.92	0.387	17.5	3.00	18.86	169
1234	19.09		5.85	0.389	13.3	3.08	18.89	167
1237	19.09	↓	5.86	0.389	11.3	3.12	18.91	165

Total Volume of Groundwater Purged (gal): - 1.5

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
1231	1234	0.01	100	0.07	0.5	24	2.7	0.16	2
1234	1237	—	100	0.01	0	15	1.3	0.11	2
1231	1237	0.01	100	0.06	0.5	35	4	0.27	4

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)	Y	Y	Y	Y	N	Y	Y	Y

Sample Time: 1240Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts



Leggette, Brashears & Graham, Inc.

PAGE 1 OF 1SAMPLE DATE: 9/13/16

low-flow sampling log

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): BM Monitoring Equipment: Horiba
Well I.D.: MW-43C Screen Setting (ft btoc): 97 to 107
Well Diameter (inches): 2 Tubing Intake (ft btoc): ~102
Total Depth (ft btoc): 104.88 Comments: Pump on @ : 1050
Depth to Water (ft btoc): 19.10 Time: 1033 Well condition: Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1056	19.11	100	6.18	0.110	62.0	3.33	26.21	186
1059	19.12		6.15	0.132	61.7	3.33	25.56	178
1102	19.13		6.10	0.148	72.2	3.17	25.02	175
1105	19.14		6.02	0.157	85.7	2.80	24.71	177
1108	19.16		6.06	0.174	96.5	4.54	23.60	166
* Waiting for Turbidity to drop *								
1133	19.13		5.85	0.182	11.1	4.41	25.11	165
1136	19.13		5.88	0.180	10.9	4.37	25.12	162
1139	14.13	⌵	5.92	0.180	10.8	4.35	25.14	161

Total Volume of Groundwater Purged (gal): ~1

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
1133	1136	0	100	6.03	1.1	1.8	0.9	0.04	3
1136	1139	0	100	6.03	0	0.9	0.5	0.08	1
1133	1139	0	100	6.06	1.1	2.7	1.4	0.12	4
Recommended Stabilization		+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)		Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 1142Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts



LEGGETTE, BRASHEARS & GRAHAM, INC.

PAGE 1 OF 1SAMPLE DATE: 9.14.16

LOW-FLOW SAMPLING LOG

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): Sierra A. Monitoring Equipment: Horiba
Well I.D. 1 1/4 Screen Setting (ft btoc): 16 to 36
Well Diameter (inches): 2 Tubing Intake (ft btoc): 26
Total Depth (ft btoc): 36.41 Comments: Pump on @ 6:19
Depth to Water (ft btoc): 23.82 Time: 6:13 Well condition: Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
6:22	23.82	200	5.84	0.242	1.8	5.91	18.06	193
6:25	23.82		5.78	0.241	1.9	3.89	18.74	208
6:28	23.82		5.74	0.246	1.8	3.63	18.00	215
6:31			5.70	0.221	1.6	3.29	17.50	221
6:34			5.73	0.250	1.4	3.17	17.14	222
6:37			5.72	0.248	1.6	2.96	17.19	225
6:40			5.70	0.247	1.3	2.86	16.92	227

Total Volume of Groundwater Purged (gal): 1.7

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
6:34	6:37	0	0	0.01	0.8	12.5	6.6	0.3	3
6:37	6:40	0	0	0.02	0.4	18.8	3.4	1.6	2
6:34	6:40	0	0	0.03	1.2	7.1	9.8	1.3	5

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10

Stabilization: (Yes/No)	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>

Sample Time: 6:45 Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts

**LEGGETTE, BRASHEARS & GRAHAM, INC.**PAGE 1 OF 1SAMPLE DATE: 9.14.16**LOW-FLOW SAMPLING LOG**

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): Serra A Monitoring Equipment: Horiba
Well I.D. MW-44B Screen Setting (ft btoc): 39 to 49
Well Diameter (inches): 2" Tubing Intake (ft btoc): 44
Total Depth (ft btoc): 48.94 Comments: Pump on @ 6:49
Depth to Water (ft btoc): 23.72 Time: 6:47 Well condition: Missing bolts - Replaced

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
6:52	23.72	250	6.38	0.331	8.2	7.76	17.50	219
6:55	23.73		6.14	0.373	6.2	4.46	17.29	224
6:58	23.74		5.92	0.400	5.1	4.03	17.04	230
7:01	23.74		5.87	0.406	4.3	5.15	16.83	233
7:04	23.74		5.85	0.406	4.2	5.04	16.88	235
7:07	23.74		5.85	0.407	4.3	5.01	16.78	236

Total Volume of Groundwater Purged (gal): 1.4**Stabilization of Parameters (stabilization achieved for three consecutive measurements)**

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
7:01	7:04	0	0	0.02	0	2.3	2.1	0.3	2
7:04	7:07	0	0	0	0.2	2.3	0.6	0.6	1
7:07	7:10	0	0	0.02	0.2	0	2.7	0.3	3

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10

Stabilization: (Yes/No)	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>

Sample Time: 7:10Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts

**LEGGETTE, BRASHEARS & GRAHAM, INC.**PAGE 1 OF 1SAMPLE DATE: 9.14.16**LOW-FLOW SAMPLING LOG**

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): Sierra A Monitoring Equipment: Horiba

Well I.D. MW-44C Screen Setting (ft btoc): 61.3 to 71.3
Well Diameter (inches): 2" Tubing Intake (ft btoc): 66.3
Total Depth (ft btoc): ~~71.14~~ 71.14 Comments: Pump on @ 7:22
Depth to Water (ft btoc): 23.74 Time: 7:19 Well condition: Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
7:27	<u>23.78</u>	<u>250</u>	<u>6.17</u>	<u>0.191</u>	<u>20.4</u>	<u>7.80</u>	<u>17.68</u>	<u>86</u>
7:30	<u>23.78</u>	<u> </u>	<u>6.22</u>	<u>0.187</u>	<u>15.6</u>	<u>2.03</u>	<u>17.26</u>	<u>69</u>
7:33	<u> </u>	<u> </u>	<u>6.21</u>	<u>0.185</u>	<u>15.2</u>	<u>1.37</u>	<u>16.97</u>	<u>56</u>
7:36	<u> </u>	<u> </u>	<u>6.21</u>	<u>0.184</u>	<u>13.9</u>	<u>1.20</u>	<u>16.74</u>	<u>48</u>
7:39	<u> </u>	<u> </u>	<u>6.21</u>	<u>0.184</u>	<u>12.7</u>	<u>1.11</u>	<u>16.78</u>	<u>42</u>
7:42	<u> </u>	<u> </u>	<u>6.20</u>	<u>0.184</u>	<u>12.0</u>	<u>1.06</u>	<u>16.69</u>	<u>39</u>
7:45	<u> </u>	<u> </u>	<u>6.21</u>	<u>0.184</u>	<u>10.3</u>	<u>1.03</u>	<u>16.62</u>	<u>35</u>
7:48	<u> </u>	<u> </u>	<u>6.20</u>	<u>0.184</u>	<u>9.9</u>	<u>1.00</u>	<u>16.57</u>	<u>33</u>
7:52	<u> </u>	<u> </u>	<u>6.21</u>	<u>0.183</u>	<u>9.4</u>	<u>0.96</u>	<u>16.50</u>	<u>31</u>

Total Volume of Groundwater Purged (gal): 2.2**Stabilization of Parameters (stabilization achieved for three consecutive measurements)**

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
<u>7:45</u>	<u>7:48</u>	<u>0</u>	<u>0</u>	<u>0.01</u>	<u>0</u>	<u>24.0</u>	<u>2.9</u>	<u>0.3</u>	<u>2</u>
<u>7:48</u>	<u>7:52</u>	<u>0</u>	<u>0</u>	<u>0.01</u>	<u>0.5</u>	<u>25.0</u>	<u>3.9</u>	<u>0.4</u>	<u>2</u>
<u>7:52</u>	<u>7:52</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0.5</u>	<u>29.0</u>	<u>6.8</u>	<u>0.7</u>	<u>4</u>

Recommended Stabilization +/- 0.3 100-500 +/- 0.1 +/- 3% +/- 10% +/- 10% +/- 3% +/- 10

Stabilization: (Yes/No) Y Y Y Y Y Y Y Y

Sample Time: 7:55 Reviewed by: [Signature]

ft btoc feet below top of casing NTU Nephelometric Turbidity Units °C degrees Celsius
ml/min milliliters per minute mg/l milligrams per liter mv millivolts
 μ S/cm microseimens per centimeter

**LEGGETTE, BRASHEARS & GRAHAM, INC.**PAGE 1 OF 1SAMPLE DATE: 9.14.16**LOW-FLOW SAMPLING LOG**

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): SerraA Monitoring Equipment: Horiba
Well I.D. MW-USA Screen Setting (ft btoc): 13.9 to 28.9
Well Diameter (inches): 2" Tubing Intake (ft btoc): 21.5
Total Depth (ft btoc): 28.65 Comments: Pump on @ 12:27
Depth to Water (ft btoc): 21.31 Time: 12:24 Well condition: Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
<u>12:31</u>	<u>21.31</u>	<u>300</u>	<u>6.39</u>	<u>0.190</u>	<u>19.4</u>	<u>1.44</u>	<u>17.05</u>	<u>24</u>
<u>12:34</u>	<u>1</u>	<u>1</u>	<u>6.38</u>	<u>0.190</u>	<u>18.6</u>	<u>1.18</u>	<u>16.78</u>	<u>9</u>
<u>12:37</u>	<u>1</u>	<u>1</u>	<u>6.36</u>	<u>0.190</u>	<u>21.2</u>	<u>1.01</u>	<u>16.62</u>	<u>0</u>
<u>12:40</u>	<u>1</u>	<u>1</u>	<u>6.33</u>	<u>0.191</u>	<u>24.2</u>	<u>0.88</u>	<u>16.38</u>	<u>-5</u>
<u>12:43</u>	<u>1</u>	<u>1</u>	<u>6.29</u>	<u>0.191</u>	<u>25.4</u>	<u>0.85</u>	<u>16.27</u>	<u>-4</u>
<u>12:46</u>	<u>1</u>	<u>1</u>	<u>6.28</u>	<u>0.190</u>	<u>26.2</u>	<u>0.83</u>	<u>16.25</u>	<u>-3</u>

Total Volume of Groundwater Purged (gal): 1.8**Stabilization of Parameters (stabilization achieved for three consecutive measurements)**

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
<u>12:40</u>	<u>12:43</u>	<u>0</u>	<u>0</u>	<u>0.04</u>	<u>0</u>	<u>4.7</u>	<u>3.4</u>	<u>0.7</u>	<u>1</u>
<u>12:43</u>	<u>12:46</u>	<u>0</u>	<u>0</u>	<u>0.01</u>	<u>0.5</u>	<u>4.7</u>	<u>3.1</u>	<u>0.1</u>	<u>1</u>
<u>12:40</u>	<u>12:46</u>	<u>0</u>	<u>0</u>	<u>0.05</u>	<u>0.5</u>	<u>7.6</u>	<u>5.7</u>	<u>0.8</u>	<u>2</u>

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>

Sample Time: 12:50Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts



LEGGETTE, BRASHEARS & GRAHAM, INC.

PAGE 1 OF 1SAMPLE DATE: 9.14.16

LOW-FLOW SAMPLING LOG

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): Sierra Monitoring Equipment: Horiba
Well I.D. MW-458 Screen Setting (ft btoc): 40.5 to 50.5
Well Diameter (inches): 2" Tubing Intake (ft btoc): 45.5
Total Depth (ft btoc): 50.22 Comments: Pump on @ 11:52
Depth to Water (ft btoc): 21.10 Time: 11:45 Well condition: Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature ($^{\circ}$ C)	ORP (mv)
11:55	21.10	250	6.23	0.196	238	5.20	18.51	97
11:58			6.20	0.202	198	2.01	17.22	101
12:01			6.11	0.199	181	1.42	17.12	101
12:04			5.98	0.199	168	1.21	16.45	111
12:07			5.87	0.197	164	1.13	16.18	114
12:10			5.86	0.197	716	1.11	15.90	115
12:13			5.86	0.197	40.8	1.11	15.09	112
12:16			5.88	0.196	20.9	1.13	14.94	110
12:19			5.88	0.196	20.9	1.14	14.91	110

Total Volume of Groundwater Purged (gal): 18

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature ($^{\circ}$ C)	ORP (mv)
FROM	TO								
12:13	12:16	0	0	0.02	0.5	7.4	1.8	12.10	2
12:16	12:19	0	0	0	0	2.4	0.9	0.2	0
12:13	12:19	0	0	0.02	0.5	9.6	2.6	1.2	2

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)	Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 12:20 Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

$^{\circ}$ C degrees Celsius
mv millivolts



Leggette, Brashears & Graham, Inc.

PAGE 1 OF 1SAMPLE DATE: 9/15/16

low-flow sampling log

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): B4 Monitoring Equipment: Horiba
Well I.D.: MLW-47B Screen Setting (ft btoc): 35 to 45
Well Diameter (inches): 2 Tubing Intake (ft btoc): -36
Total Depth (ft btoc): 40.5 Comments: Pump on @ : 0828
Depth to Water (ft btoc): 9.00 Time: 0822 Well condition: OK

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
0836	9.01	100	6.61	0.166	10.4	1.80	16.05	29
0839	9.01	100	6.56	0.168	5.7	1.04	15.57	12
0842	9.01	100	6.51	0.170	6.5	0.94	15.37	6
0845	9.01	100	6.40	0.169	6.0	0.86	15.23	8
0848	9.02	100	6.32	0.168	5.9	0.73	15.17	10
0851	9.02	100	6.25	0.167	6.7	0.71	15.18	9
0854	9.02	100	6.24	0.166	6.1	0.70	15.20	10

Total Volume of Groundwater Purged (gal): ~1

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
0851	0851	0	100	6.07	0.59		2.74	0.06	1
0851	0854	0	100	6.01	0.60	510 NTU	1.4	0.13	1
0848	0854	0	100	6.08	1.19		4.11	0.19	0

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)	Y	Y	Y	Y	N	Y	Y	Y

Sample Time: 0856 Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts



LEGGETTE, BRASHEARS & GRAHAM, INC.

PAGE 1 OF 1

SAMPLE DATE: 9.14.16

LOW-FLOW SAMPLING LOG

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): Sierra A. Monitoring Equipment: Horiba
Well I.D. MW-52A Screen Setting (ft btoc): 19 to 29
Well Diameter (inches): 2" Tubing Intake (ft btoc): 24
Total Depth (ft btoc): 27.54 Comments: Pump on @ 11:17
Depth to Water (ft btoc): 19.76 Time: 11:10 Well condition: Missing Bolts

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
11:20	19.78	250	6.22	0.167	2.4	3.38	19.85	61
11:23	19.79	1	6.16	0.162	2.7	2.02	19.18	50
11:26	19.79	1	6.06	0.157	5.1	1.50	18.19	47
11:29	1	1	5.92	0.157	6.3	1.28	17.93	49
11:32	1	1	5.86	0.157	7.4	1.09	17.62	48
11:35	1	1	5.84	0.156	7.9	1.03	17.52	46
11:38	1	1	5.86	0.157	7.5	1.01	17.48	44

Total Volume of Groundwater Purged (gal): 1.5

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
11:32	11:35	0	0	0.01	0.6	6.3	5.5	0.6	2
11:35	11:38	0	0	0.02	0.6	5.1	1.9	0.2	2
11:32	11:38	0	0	0.01	0	1.3	7.3	0.8	4

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)	Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 11:40Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts



Leggette, Brashears & Graham, Inc.

PAGE 1 OF 1SAMPLE DATE: 9/13/16

TOTAL # WELLS: _____

low-flow sampling log

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): BM Monitoring Equipment: Horiba
Well I.D. MW-53 Screen Setting (ft btoc): 40 to 50
Well Diameter (inches): 2 Tubing Intake (ft btoc): -44
Total Depth (ft btoc): 49.21 Comments: Pump on @ 1503
Depth to Water (ft btoc): 20.02 Time: 1457 Well condition: OK

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1510	22.04	100	5.82	0.295	29	3.66	18.82	213
1513	22.04	100	5.45	0.295	23.5	3.17	18.00	230
1516	22.03	100	5.25	0.294	21.5	3.21	17.57	236
1519	22.05	100	5.18	0.297	17.2	3.15	16.71	235
1522	22.05	100	5.14	0.296	15.5	3.40	16.84	235
1525	22.05	100	5.13	0.294	13.0	3.21	16.86	228
1528	22.05	100	5.13	0.297	11.0	3.26	16.83	227

Total Volume of Groundwater Purged (gal): ~1

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
1522	1525	0	100	0.01	0.67		5.5	0.12	7
1525	1528	0	100	0	1.0	~10	1.6	0.17	1
1522	1528	0	100	0.01	0.34		4.1	0.05	8
Recommended Stabilization		+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)		Y	Y	Y	Y	N	Y	Y	Y

Sample Time: 1530Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts



Leggette, Brashears & Graham, Inc.

PAGE 1 OF 1SAMPLE DATE: 9/13/16

low-flow sampling log

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): BM Monitoring Equipment: Horiba
Well I.D.: MW-54 Screen Setting (ft btoc): 40 to 50
Well Diameter (inches): 2 Tubing Intake (ft btoc): ~ 45
Total Depth (ft btoc): 48.70 Comments: Pump on @ 1410
Depth to Water (ft btoc): 21.54 Time: 1351 Well condition: well cap missing

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1416	21.55	100	5.70	0.432	7.8	4.34	26.31	204
1419	21.56	100	5.26	0.452	4.3	4.27	23.64	231
1422	21.56	100	5.06	0.455	9.3	4.10	23.14	242
1425	21.56	100	5.58	0.454	4.1	3.63	23.03	219
1428	21.56	100	5.15	0.463	2.5	3.77	22.55	236
1431	21.56	100	5.05	0.469	2.3	3.59	22.34	242
1434	21.57	100	5.07	0.480	1.3	3.49	22.31	241
1437	21.57	100	5.07	0.483	1.4	3.63	22.30	238

Total Volume of Groundwater Purged (gal): ~ 1

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
1431	1434	0.01	100	0.02	2.3		2.7	0.13	1
1434	1437	0	100	0	6.6	<10 NTU	3.8	0.04	3
1431	1437	0	100	0.02	2.9		6.5	0.17	4

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)	Y	Y	Y	Y	N	Y	Y	Y

Sample Time: 1440 Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts



LEGGETTE, BRASHEARS & GRAHAM, INC.

PAGE 1 OF 1SAMPLE DATE: 9.14.16

LOW-FLOW SAMPLING LOG

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): Sierra A Monitoring Equipment: Horiba
Well I.D. MW-58A Screen Setting (ft btoc): 20 to 30
Well Diameter (inches): 2" Tubing Intake (ft btoc): 27.5
Total Depth (ft btoc): 30.25 Comments: Pump on @ 14:03
Depth to Water (ft btoc): 24.87 Time: 13:59 Well condition: _____

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
14:07	24.87	300	5.91	0.252	29.0	4.82	17.12	159
14:10	24.87	1	5.87	0.251	25.8	4.30	16.63	167
14:13	1	1	5.83	0.252	24.2	4.13	16.35	171
14:17	1	1	5.78	0.248	21.9	3.99	16.18	178
14:20	1	1	5.79	0.250	21.8	3.96	16.07	181
14:23	1	1	5.79	0.250	21.7	3.91	16.03	181

Total Volume of Groundwater Purged (gal): 1.7

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
14:17	14:20	0	0	0.01	0.8	0.5	0.8	0.7	3
14:20	14:23	0	0	0	0	0.5	0.5	0.2	3
14:17	14:23	0	0	0.01	0.8	0.9	1.3	0.9	6

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)	Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 14:25Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts

**LEGGETTE, BRASHEARS & GRAHAM, INC.**PAGE 1 OF 1SAMPLE DATE: 9.14.16**LOW-FLOW SAMPLING LOG**

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): Sierra A Monitoring Equipment: Horiba
Well I.D. mw-58B Screen Setting (ft btoc): 35 to 45
Well Diameter (inches): 2 Tubing Intake (ft btoc): 40
Total Depth (ft btoc): 44.91 Comments: Pump on @ 13:24
Depth to Water (ft btoc): 24.83 Time: 13:20 Well condition: Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity ^{mS} (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
13:27	24.84	250	5.93	0.522	196	14.36	18.11	104
13:30	24.84	1	5.91	0.538	177	5.40	17.24	119
13:33	24.84	1	5.87	0.540	181	4.52	16.73	129
13:36	24.84	1	5.85	0.541	173	4.28	16.46	137
13:39	1	1	5.84	0.545	163	5.80	16.18	142
13:42	1	1	5.81	0.539	149	5.79	16.03	149
13:45	1	1	5.77	0.543	148	5.68	16.02	154
13:48	1	1	5.74	0.538	134	5.60	15.95	158

Total Volume of Groundwater Purged (gal): 1.7**Stabilization of Parameters (stabilization achieved for three consecutive measurements)**

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
13:42	13:45	0	0	0.04	0.7	0.7	1.9	0.1	5
13:45	13:48	0	0	0.03	0.2	9.5	1.4	0.4	4
13:42	13:48	0	0	0.04	0.9	8.8	3.3	0.5	9

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)	Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 13:50Reviewed by: AKZ

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts

SAMPLE DATE: 9.14.16

LOW-FLOW SAMPLING LOG

TOTAL # WELLS: 1

Client Name:	Rowe Industries

Sample Pump: geopump (peristaltic)

Project Location: Sag Harbor, NY

Tubing Type: PE & Silicone

Sampler(s): Sierra A.

Monitoring Equipment: _____ Horiba

Well I.D. MW-59A

Screen Setting (ft btoc): _____ to _____

Well Diameter (inches): 2"

Tubing Intake (ft btoc): _____

Total Depth (ft btoc): 27.64

Comments: _____ Pump on @ _____ :

Depth to Water (ft btoc): Dry Time:

Well condition: _____

[illegible]

Total Volume of Groundwater Purged (gal):

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μs/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
Recommended Stabilization		+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)									

Sample Time: NA

Reviewed by: _____

ft btoc feet below top of casing

NTU Nephelometric Turbidity Units

°C degrees Celsius

ml/min milliliters per minute

mg/l milligrams per liter

mv millivolts

$\mu\text{s/cm}$ microseimons per centimeter

**LEGGETTE, BRASHEARS & GRAHAM, INC.**PAGE 1 OF 1SAMPLE DATE: 9.14.16**LOW-FLOW SAMPLING LOG**

TOTAL # WELLS: _____

Client Name: Rowe IndustriesSample Pump: geopump (peristaltic)Project Location: Sag Harbor, NYTubing Type: PE & SiliconeSampler(s): SerraAMonitoring Equipment: HoribaWell I.D. MW-59BScreen Setting (ft btoc): 32 to 42Well Diameter (inches): 2"Tubing Intake (ft btoc): 37Total Depth (ft btoc): 42.65Comments: Pump on @ 10:21Depth to Water (ft btoc): 27.90 Time: 10:17Well condition: Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
10:24	28.07	2300	5.89	0.458	7.6	5.51	23.23	116
10:27	28.09		5.72	0.482	6.4	3.49	21.72	135
10:30	28.09		5.63	0.495	4.2	2.90	21.67	146
10:33			5.56	0.507	5.3	2.37	21.08	149
10:36			5.51	0.512	5.3	2.01	21.18	150
10:39			5.50	0.515	5.3	1.73	21.03	148
10:42			5.50	0.515	5.4	1.60	21.01	147
10:45			5.51	0.516	5.4	1.57	21.33	146

Total Volume of Groundwater Purged (gal): 2.3**Stabilization of Parameters (stabilization achieved for three consecutive measurements)**

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
10:39	10:42	0	0	0	0	1.9	7.5	0.1	1
10:42	10:45	0	0	0	0.2	0	1.9	1.5	1
10:39	10:45	0	0	0.01	0.2	1.9	9.2	1.4	2

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>

Sample Time: 10:50Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts



Leggette, Brashears & Graham, Inc.

PAGE 1 OF 1SAMPLE DATE: 9/14/16

TOTAL # WELLS: _____

low-flow sampling log

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): BM Monitoring Equipment: Horiba
Well I.D.: MW-98-01A Screen Setting (ft btoc): 17 to 27
Well Diameter (inches): 2 Tubing Intake (ft btoc): 25.5
Total Depth (ft btoc): 26.87 Comments: Pump on @ 1105
Depth to Water (ft btoc): 23.92 Time: 1058 Well condition: OK

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1118	24.04	100	6.41	0.171	85.2	0.67	19.97	115
1121	24.04	100	6.48	0.174	68.3	0.50	19.01	95
1124	24.04	100	6.46	0.174	50.4	0.25	18.72	89
1127	24.04	100	6.45	0.174	43.5	0.24	18.41	85
1130	24.05	100	6.43	0.174	43.4	0.20	18.29	82
1133	24.05	100	6.41	0.174	34.0	0.16	18.15	81
1136	24.05	100	6.37	0.175	30.5	0.08	18.04	79
1139	24.05	100	6.36	0.174	14.7	0.07	18.04	79
1142	24.05	100	6.35	0.174	8.1	0.06	18.05	78

Total Volume of Groundwater Purged (gal): ~1

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
1136	1139	0	100	.01	0.57		12.5	0	0
1139	1142	0	100	.01	0	<10	14.2	0.06	1
1136	1142	0	100	.02	0.57		25	0.06	1
Recommended Stabilization		+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)		Y	Y	Y	Y	N	N	Y	Y

Sample Time: 1144Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts



Leggette, Brashears & Graham, Inc.

PAGE 1 OF 1SAMPLE DATE: 9/14/16

TOTAL # WELLS: _____

low-flow sampling log

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): BM Monitoring Equipment: Horiba
Well I.D. MW-98-04 Screen Setting (ft btoc): 16.5 to 26.5
Well Diameter (inches): 2 Tubing Intake (ft btoc): 23
Total Depth (ft btoc): 24.1 Comments: Pump on @ 1358
Depth to Water (ft btoc): 21.42 Time: 1347 Well condition: SK

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1405	21.43	100	6.22	0.200	114	0.89	22.83	80
1408	21.43	100	6.13	0.206	65.4	1.10	22.25	85
1411	21.43	100	6.14	0.213	37.5	1.11	22.05	88
1414	21.43	100	6.16	0.216	32.4	1.77	21.43	89
1417	21.43	100	6.13	0.216	23.6	1.73	21.51	93
1420	21.44	100	6.12	0.214	17.6	1.82	21.33	94
1423	21.44	100	6.15	0.215	9.6	1.78	21.28	94
1426	21.44	100	6.16	0.216	8.8	1.76	21.27	94

Total Volume of Groundwater Purged (gal): ~1

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
1420	1423	0	100	0.03	0.46		2.19	0.23	0
1423	1426	0	100	0.01	0.46	<10 NTU	1.12	0.05	0
1420	1426	0	100	0.04	0.92		3.29	0.28	0
Recommended Stabilization		+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)		Y	Y	Y	Y	N	Y	Y	Y

Sample Time: 1428Reviewed by: ML

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts

MS/MSD



Leggette, Brashears & Graham, Inc.

PAGE 1 OF 1SAMPLE DATE: 9/14/16

TOTAL # WELLS: _____

low-flow sampling log

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): BM Monitoring Equipment: Horiba
Well I.D.: MW 98-04B Screen Setting (ft btoc): 30 to 40
Well Diameter (inches): 2 Tubing Intake (ft btoc): -34
Total Depth (ft btoc): 36.63 Comments: Pump on @ 1449
Depth to Water (ft btoc): 21.34 Time: 1443 Well condition: OK

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1456	21.35	100	6.23	0.176	79.8	1.54	18.02	100
1459	21.35	100	5.94	0.187	76.2	0.83	17.14	122
1502	21.36	100	5.66	0.186	65.2	0.50	17.03	140
1505	21.36	100	5.56	0.186	60.8	0.43	16.96	148
1508	21.36	100	5.43	0.185	58.0	0.39	16.98	155
1511	21.37	100	5.34	0.185	41.3	0.34	16.87	163
1514	21.37	100	5.33	0.185	46.6	0.34	16.86	164
1517	21.37	100	5.31	0.185	40.5	0.34	16.86	165

Total Volume of Groundwater Purged (gal): ~1

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
1511	1514	0	100	0.01	0	1.69	0	0.05	1
1514	1517	0	100	0.02	0	0.25	0	0	1
1511	1517	0	100	0.03	0	1.9	0	0.05	2
Recommended Stabilization		+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)		0	100	Y	Y	Y	Y	Y	Y

Sample Time: 15:20 Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts

MW-A ✓



Leggette, Brashears & Graham, Inc.

PAGE 1 OF 1SAMPLE DATE: 9/14/16

low-flow sampling log

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): BM Monitoring Equipment: Horiba
Well I.D.: MW-98-05AR Screen Setting (ft btoc): 18 to 28
Well Diameter (inches): 2 Tubing Intake (ft btoc): 26.5
Total Depth (ft btoc): 27.90 Comments: Pump on @ 1250
Depth to Water (ft btoc): 22.75 Time: 1203 PM Well condition: OK

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1301	23.43	100	6.42	0.180	69.4	1.97	22.11	111
1304	23.43	100	6.18	0.187	60.7	0.89	22.04	97
1307	23.44	100	6.18	0.193	58.5	0.74	21.98	84
1310	23.44	100	6.23	0.197	59.7	0.61	21.90	64
1313	23.44	100	6.31	0.199	55.8	0.43	21.80	46
1316	23.44	100	6.34	0.200	55.1	0.42	21.72	39
1319	23.44	160	6.32	0.200	54.9	0.43	21.73	38
1322	23.45	100	6.32	0.200	54.8	0.44	21.75	36

Total Volume of Groundwater Purged (gal): ~1

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
1316	1319	0	160	0.02	0	6.36	2.3	0.04	1
1319	1322	0.01	160	0	0	0.18	2.2	0.09	2
1316	1322	0.01	160	0.02	0	0.54	4.5	0.13	3
Recommended Stabilization		+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)		<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>

Sample Time: 1324 Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts



Leggette, Brashears & Graham, Inc.

PAGE 1 OF 1SAMPLE DATE: 9/14/16

TOTAL # WELLS: _____

low-flow sampling log

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): BM Monitoring Equipment: Horiba

Well I.D. MW-98-05BR Screen Setting (ft btoc): 35 to 45
Well Diameter (inches): 2 Tubing Intake (ft btoc): 40
Total Depth (ft btoc): 45.6 Comments: Pump on @ 1208
Depth to Water (ft btoc): 22.76 Time: 1203 Well condition: OK

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1218	22.77	100	6.50	0.180	6.8	0.89	19.84	84
1221	22.78	100	6.34	0.184	6.1	0.43	19.05	83
1224	22.78	100	6.32	0.186	6.8	0.06	18.97	81
1227	22.78	100	6.27	0.185	8.3	0.00	18.95	82
1230	22.78	100	6.24	0.187	8.2	0.00	18.94	82
1233	22.78	100	6.20	0.187	8.8	0.00	18.94	80

Total Volume of Groundwater Purged (gal): _____

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
1227	1230	0	100	0.03	1.07	0	0	0.05	0
1230	1233	0	100	0.04	0	<10 NTU	0	0	0
1237	1233	0	100	0.07	1.07		0	0.05	0

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)	Y	Y	Y	Y	N	Y	Y	Y

Sample Time: 1235 Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts

**LEGGETTE, BRASHEARS & GRAHAM, INC.**PAGE 1 OF 1SAMPLE DATE: 9/15/16**LOW-FLOW SAMPLING LOG**

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): BM Monitoring Equipment: Horiba
Well I.D.: MW-B1 Screen Setting (ft btoc): 45 to 55
Well Diameter (inches): 2 Tubing Intake (ft btoc): ~50
Total Depth (ft btoc): 53.5 (stickup) Comments: Pump on @ : 1038
Depth to Water (ft btoc): 30.05 (stickup) Time: 1023 Well condition: OK

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1043	30.05	100	6.79	0.263	4.76	4.75	20.02	130
1046	30.05	100	6.78	0.263	2.4	4.44	20.03	138
1049	30.05	100	6.78	0.262	1.1	4.49	20.03	141
1052	30.05	100	6.79	0.262	0	4.44	20.07	145

Total Volume of Groundwater Purged (gal): ~1**Stabilization of Parameters (stabilization achieved for three consecutive measurements)**

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
1046	1049	0	100	0	0.38		1.14	0	3
1049	1052	0	100	0.01	0	<10 NTU	1.14	0.19	4
1046	1052	0	100	0.01	0.38		0	0.19	7

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)	Y	Y	Y	Y	N	Y	Y	Y

Sample Time: 1054Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts

**LEGGETTE, BRASHEARS & GRAHAM, INC.**PAGE 1 OF 1SAMPLE DATE: 9/15/16**LOW-FLOW SAMPLING LOG**

TOTAL # WELLS: _____

Client Name: Rowe Industries Sample Pump: geopump (peristaltic)
Project Location: Sag Harbor, NY Tubing Type: PE & Silicone
Sampler(s): BM Monitoring Equipment: Horiba
Well I.D.: MW-B4 Screen Setting (ft btoc): 45 to 55
Well Diameter (inches): 2 Tubing Intake (ft btoc): ~49
Total Depth (ft btoc): 52.4 Comments: Pump on @ : 0946
Depth to Water (ft btoc): 25.50 Time: 0941 Well condition: OK

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
0950	25.50	100	6.60	0.221	8.71	7.70	18.05	125
0953	25.50	100	6.62	0.223	5.80	5.76	17.96	128
0956	25.50	100	6.65	0.228	5.00	4.97	17.87	135
0959	25.50	100	6.66	0.229	26.7	4.83	17.86	138
1002	25.50	100	6.66	0.230	26.7	4.74	17.87	142
1005	25.50	100	6.66	0.231	26.5	4.69	17.92	146

Total Volume of Groundwater Purged (gal): ~1**Stabilization of Parameters (stabilization achieved for three consecutive measurements)**

Time		Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
FROM	TO								
0959	1002	0	100	0	0.43	0	1.8	0.05	4
1002	1005	0	100	0	0.43	0.74	1.0	0.28	4
0959	1005	0	100	0	0.86	0.74	2.8	0.33	8

Recommended Stabilization	+/- 0.3	100-500	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10
Stabilization: (Yes/No)	Y	Y	Y	Y	Y	Y	Y	Y

Sample Time: 1007Reviewed by: [Signature]

ft btoc feet below top of casing
ml/min milliliters per minute
 μ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units
mg/l milligrams per liter

°C degrees Celsius
mv millivolts

APPENDIX II

**Laboratory Analytical Results
(contained on attached CD)**



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 11/03/2016

Client Project ID: Rowe Industries

York Project (SDG) No.: 16I0590

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

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York Project/SDG No. 16I0590

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Report Date: 11/03/2016
Client Project ID: Rowe Industries
York Project (SDG) No.: 16I0590

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 16, 2016 and listed below. The project was identified as your project: **Rowe Industries**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
16I0590-01	MW-98-01A	Water	09/14/2016	09/16/2016
16I0590-02	MW-98-04	Water	09/14/2016	09/16/2016
16I0590-03	MW-98-04B	Water	09/14/2016	09/16/2016
16I0590-04	MW-A	Water	09/14/2016	09/16/2016
16I0590-05	MW-98-05AR	Water	09/14/2016	09/16/2016
16I0590-06	MW-98-05BR	Water	09/14/2016	09/16/2016
16I0590-07	MW-45A	Water	09/14/2016	09/16/2016
16I0590-08	MW-45B	Water	09/14/2016	09/16/2016
16I0590-09	MW-52A	Water	09/14/2016	09/16/2016
16I0590-10	MW-28A	Water	09/15/2016	09/16/2016
16I0590-11	MW-28B	Water	09/15/2016	09/16/2016
16I0590-12	MW-44A	Water	09/14/2016	09/16/2016
16I0590-13	MW-44B	Water	09/14/2016	09/16/2016
16I0590-14	MW-44C	Water	09/14/2016	09/16/2016
16I0590-15	MW-47B	Water	09/15/2016	09/16/2016
16I0590-16	N-32	Water	09/14/2016	09/16/2016
16I0590-17	N-32B	Water	09/14/2016	09/16/2016
16I0590-18	MW-58A	Water	09/14/2016	09/16/2016
16I0590-19	MW-58B	Water	09/14/2016	09/16/2016
16I0590-20	MW-59B	Water	09/14/2016	09/16/2016
16I0590-21	MW-B	Water	09/14/2016	09/16/2016
16I0590-22	MW-42B	Water	09/14/2016	09/16/2016
16I0590-23	MW-43A	Water	09/13/2016	09/16/2016

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
16I0590-24	MW-43B	Water	09/13/2016	09/16/2016
16I0590-25	MW-43C	Water	09/13/2016	09/16/2016
16I0590-26	MW-53	Water	09/13/2016	09/16/2016
16I0590-27	MW-54	Water	09/13/2016	09/16/2016
16I0590-28	MW-B1	Water	09/15/2016	09/16/2016
16I0590-29	MW-B4	Water	09/15/2016	09/16/2016
16I0590-30	Trip Blank-SA	Water	09/12/2016	09/16/2016
16I0590-31	Trip Blank-BM	Water	09/12/2016	09/16/2016
16I0590-32	Field Blank-SA	Water	09/15/2016	09/16/2016
16I0590-33	Field Blank-BM	Water	09/15/2016	09/16/2016
16I0590-34	RW-3	Water	09/13/2016	09/16/2016
16I0590-35	RW-4	Water	09/13/2016	09/16/2016
16I0590-36	RW-6	Water	09/14/2016	09/16/2016

General Notes for York Project (SDG) No.: 16I0590

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 11/03/2016





Sample Information

Client Sample ID: MW-98-01A

York Sample ID: 1610590-01

York Project (SDG) No.

1610590

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 14, 2016 11:44 am

Date Received

09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	NELAC-NY10854,NJDEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	NELAC-NY10854,NJDEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	NELAC-NY10854,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	NELAC-NY10854,NJDEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	NELAC-NY10854,NJDEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	NELAC-NY10854,NJDEP			
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-98-01A

York Sample ID: 1610590-01

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 11:44 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-98-01A

York Sample ID: 1610590-01

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 11:44 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:25	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:25	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:25	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/22/2016 20:06	09/23/2016 03:25	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/22/2016 20:06	09/23/2016 03:25	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:25	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:25	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:25	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:25	SS
127-18-4	Tetrachloroethylene	0.91		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:25	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:25	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:25	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:25	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/22/2016 20:06	09/23/2016 03:25	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.1 %	69-130								
2037-26-5	Surrogate: Toluene-d8	98.0 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	79-122								

Sample Information

Client Sample ID: MW-98-04

York Sample ID: 1610590-02

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 2:28 pm

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-98-04

York Sample ID: 1610590-02

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 2:28 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS



Sample Information

Client Sample ID: MW-98-04

York Sample ID: 1610590-02

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 2:28 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 08:06	09/24/2016 01:36	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-98-04

York Sample ID: 16I0590-02

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 2:28 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/22/2016 08:06	09/24/2016 01:36	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/22/2016 08:06	09/24/2016 01:36	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
127-18-4	Tetrachloroethylene	2.4		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/22/2016 08:06	09/24/2016 01:36	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: Toluene-d8	97.2 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	79-122								

Sample Information

Client Sample ID: MW-98-04B

York Sample ID: 16I0590-03

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 3:20 pm

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-98-04B

York Sample ID: 1610590-03

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 3:20 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS



Sample Information

Client Sample ID: MW-98-04B

York Sample ID: 1610590-03

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 3:20 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 20:06	09/23/2016 03:51	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-98-04B

York Sample ID: 1610590-03

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 3:20 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/22/2016 20:06	09/23/2016 03:51	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/22/2016 20:06	09/23/2016 03:51	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/22/2016 20:06	09/23/2016 03:51	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	100 %	69-130								
2037-26-5	Surrogate: Toluene-d8	98.2 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	79-122								

Sample Information

Client Sample ID: MW-A

York Sample ID: 1610590-04

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 9:13 am

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-A

York Sample ID: 1610590-04

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 9:13 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS



Sample Information

Client Sample ID: MW-A

York Sample ID: 1610590-04

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 9:13 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:17	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-A

York Sample ID: 16I0590-04

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 9:13 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/22/2016 20:06	09/23/2016 04:17	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/22/2016 20:06	09/23/2016 04:17	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/22/2016 20:06	09/23/2016 04:17	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.3 %	69-130								
2037-26-5	Surrogate: Toluene-d8	97.4 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	79-122								

Sample Information

Client Sample ID: MW-98-05AR

York Sample ID: 16I0590-05

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 1:24 pm

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09/16/2016



Sample Information

Client Sample ID: MW-98-05AR

York Sample ID: 1610590-05

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 1:24 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS



Sample Information

Client Sample ID: MW-98-05AR

York Sample ID: 1610590-05

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 1:24 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 20:06	09/23/2016 04:43	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-98-05AR

York Sample ID: 1610590-05

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 1:24 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/22/2016 20:06	09/23/2016 04:43	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/22/2016 20:06	09/23/2016 04:43	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
127-18-4	Tetrachloroethylene	19		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
79-01-6	Trichloroethylene	0.75		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/22/2016 20:06	09/23/2016 04:43	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	69-130								
2037-26-5	Surrogate: Toluene-d8	97.0 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	79-122								

Sample Information

Client Sample ID: MW-98-05BR

York Sample ID: 1610590-06

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 12:35 pm

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-98-05BR

York Sample ID: 1610590-06

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 12:35 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS



Sample Information

Client Sample ID: MW-98-05BR

York Sample ID: 1610590-06

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 12:35 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.80	2.0	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 20:06	09/23/2016 05:09	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-98-05BR

York Sample ID: 1610590-06

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 12:35 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/22/2016 20:06	09/23/2016 05:09	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/22/2016 20:06	09/23/2016 05:09	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/22/2016 20:06	09/23/2016 05:09	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	69-130								
2037-26-5	Surrogate: Toluene-d8	97.5 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	79-122								

Sample Information

Client Sample ID: MW-45A

York Sample ID: 1610590-07

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 12:50 pm

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-45A

York Sample ID: 1610590-07

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 12:50 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS



Sample Information

Client Sample ID: MW-45A

York Sample ID: 1610590-07

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 12:50 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:19	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-45A

York Sample ID: 1610590-07

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 12:50 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/22/2016 08:06	09/24/2016 03:19	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/22/2016 08:06	09/24/2016 03:19	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
127-18-4	Tetrachloroethylene	2.1		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/22/2016 08:06	09/24/2016 03:19	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.9 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.2 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	99.9 %	79-122								

Sample Information

Client Sample ID: MW-45B

York Sample ID: 1610590-08

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 12:20 pm

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-45B

York Sample ID: 1610590-08

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 12:20 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS



Sample Information

Client Sample ID: MW-45B

York Sample ID: 1610590-08

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 12:20 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 08:06	09/24/2016 03:45	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-45B

York Sample ID: 16I0590-08

York Project (SDG) No.

16I0590

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 14, 2016 12:20 pm

Date Received

09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/22/2016 08:06	09/24/2016 03:45	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/22/2016 08:06	09/24/2016 03:45	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/22/2016 08:06	09/24/2016 03:45	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: Toluene-d8	97.1 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	79-122								

Sample Information

Client Sample ID: MW-52A

York Sample ID: 16I0590-09

York Project (SDG) No.

16I0590

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 14, 2016 11:40 am

Date Received

09/16/2016



Sample Information

Client Sample ID: MW-52A

York Sample ID: 1610590-09

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 11:40 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS



Sample Information

Client Sample ID: MW-52A

York Sample ID: 1610590-09

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 11:40 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	2.4		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 17:32	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-52A

York Sample ID: 16I0590-09

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 11:40 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:39	09/26/2016 17:32	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:39	09/26/2016 17:32	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/26/2016 08:39	09/26/2016 17:32	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.8 %	69-130								
2037-26-5	Surrogate: Toluene-d8	99.6 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	97.4 %	79-122								

Sample Information

Client Sample ID: MW-28A

York Sample ID: 16I0590-10

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 7:55 am

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-28A

York Sample ID: 1610590-10

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 7:55 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS



Sample Information

Client Sample ID: MW-28A

York Sample ID: 1610590-10

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 7:55 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:12	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-28A

York Sample ID: 16I0590-10

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 7:55 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:39	09/26/2016 18:12	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:39	09/26/2016 18:12	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/26/2016 08:39	09/26/2016 18:12	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.6 %	69-130								
2037-26-5	Surrogate: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	97.2 %	79-122								

Sample Information

Client Sample ID: MW-28B

York Sample ID: 16I0590-11

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 8:40 am

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-28B

York Sample ID: 1610590-11

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 8:40 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS



Sample Information

Client Sample ID: MW-28B

York Sample ID: 1610590-11

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 8:40 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 18:52	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-28B

York Sample ID: 1610590-11

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 8:40 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:39	09/26/2016 18:52	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:39	09/26/2016 18:52	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/26/2016 08:39	09/26/2016 18:52	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	92.3 %	69-130								
2037-26-5	Surrogate: Toluene-d8	98.7 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	79-122								

Sample Information

Client Sample ID: MW-44A

York Sample ID: 1610590-12

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 6:45 am

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-44A

York Sample ID: 1610590-12

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 6:45 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 19:31	SS



Sample Information

Client Sample ID: MW-44A

York Sample ID: 1610590-12

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 6:45 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-44A

York Sample ID: 16I0590-12

York Project (SDG) No.

16I0590

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 14, 2016 6:45 am

Date Received

09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	NELAC-NY10854			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	NELAC-NY10854			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/26/2016 08:39	09/26/2016 19:31	SS
							Certifications:	CTDOH,NJDEP			
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.6 %	69-130								
2037-26-5	Surrogate: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	79-122								

Sample Information

Client Sample ID: MW-44B

York Sample ID: 16I0590-13

York Project (SDG) No.

16I0590

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 14, 2016 7:10 am

Date Received

09/16/2016



Sample Information

Client Sample ID: MW-44B

York Sample ID: 1610590-13

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 7:10 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS



Sample Information

Client Sample ID: MW-44B

York Sample ID: 1610590-13

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 7:10 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	0.38	J	ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:10	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-44B

York Sample ID: 16I0590-13

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 7:10 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:39	09/26/2016 20:10	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:39	09/26/2016 20:10	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/26/2016 08:39	09/26/2016 20:10	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	92.0 %	69-130								
2037-26-5	Surrogate: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	99.6 %	79-122								

Sample Information

Client Sample ID: MW-44C

York Sample ID: 16I0590-14

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 7:55 am

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-44C

York Sample ID: 1610590-14

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 7:55 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 20:50	SS



Sample Information

Client Sample ID: MW-44C

York Sample ID: 1610590-14

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 7:55 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-44C

York Sample ID: 16I0590-14

York Project (SDG) No.

16I0590

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 14, 2016 7:55 am

Date Received

09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	NELAC-NY10854			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	NELAC-NY10854			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/26/2016 08:39	09/26/2016 20:50	SS
							Certifications:	CTDOH,NJDEP			
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.1 %	69-130								
2037-26-5	Surrogate: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	79-122								

Sample Information

Client Sample ID: MW-47B

York Sample ID: 16I0590-15

York Project (SDG) No.

16I0590

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 15, 2016 8:56 am

Date Received

09/16/2016



Sample Information

Client Sample ID: MW-47B

York Sample ID: 1610590-15

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 8:56 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS



Sample Information

Client Sample ID: MW-47B

York Sample ID: 1610590-15

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

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Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 21:29	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-47B

York Sample ID: 16I0590-15

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

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Water

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September 15, 2016 8:56 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:39	09/26/2016 21:29	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:39	09/26/2016 21:29	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/26/2016 08:39	09/26/2016 21:29	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.3 %	69-130								
2037-26-5	Surrogate: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	79-122								

Sample Information

Client Sample ID: N-32

York Sample ID: 16I0590-16

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 9:20 am

Date Received
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Sample Information

Client Sample ID: N-32

York Sample ID: 1610590-16

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 9:20 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS



Sample Information

Client Sample ID: N-32

York Sample ID: 1610590-16

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

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Water

Collection Date/Time
September 14, 2016 9:20 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:39	09/26/2016 22:09	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: N-32

York Sample ID: 16I0590-16

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 9:20 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:39	09/26/2016 22:09	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:39	09/26/2016 22:09	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/26/2016 08:39	09/26/2016 22:09	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.1 %	69-130								
2037-26-5	Surrogate: Toluene-d8	104 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	95.5 %	79-122								

Sample Information

Client Sample ID: N-32B

York Sample ID: 16I0590-17

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

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09/16/2016



Sample Information

Client Sample ID: N-32B

York Sample ID: 1610590-17

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

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09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK



Sample Information

Client Sample ID: N-32B

York Sample ID: 1610590-17

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

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09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	0.21	J	ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/27/2016 08:02	09/27/2016 13:03	BK
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: N-32B

York Sample ID: 16I0590-17

York Project (SDG) No.
16I0590

Client Project ID
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Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/27/2016 08:02	09/27/2016 13:03	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/27/2016 08:02	09/27/2016 13:03	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/27/2016 08:02	09/27/2016 13:03	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: Toluene-d8	100 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	105 %	79-122								

Sample Information

Client Sample ID: MW-58A

York Sample ID: 16I0590-18

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 2:25 pm

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-58A

York Sample ID: 1610590-18

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 2:25 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS



Sample Information

Client Sample ID: MW-58A

York Sample ID: 1610590-18

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 2:25 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 07:40	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-58A

York Sample ID: 16I0590-18

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 2:25 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 07:40	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 07:40	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/23/2016 18:02	09/24/2016 07:40	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.6 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	99.7 %	79-122								

Sample Information

Client Sample ID: MW-58B

York Sample ID: 16I0590-19

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 1:50 pm

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-58B

York Sample ID: 1610590-19

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 1:50 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS



Sample Information

Client Sample ID: MW-58B

York Sample ID: 1610590-19

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
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Collection Date/Time
September 14, 2016 1:50 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	0.51		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/22/2016 08:06	09/24/2016 04:11	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-58B

York Sample ID: 16I0590-19

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 1:50 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/22/2016 08:06	09/24/2016 04:11	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/22/2016 08:06	09/24/2016 04:11	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/22/2016 08:06	09/24/2016 04:11	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.2 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	79-122								

Sample Information

Client Sample ID: MW-59B

York Sample ID: 16I0590-20

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 10:50 am

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-59B

York Sample ID: 1610590-20

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 10:50 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS



Sample Information

Client Sample ID: MW-59B

York Sample ID: 1610590-20

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 10:50 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:25	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-59B

York Sample ID: 16I0590-20

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 10:50 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 09:25	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 09:25	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/23/2016 18:02	09/24/2016 09:25	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: Toluene-d8	97.5 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	79-122								

Sample Information

Client Sample ID: MW-B

York Sample ID: 16I0590-21

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 10:30 am

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-B

York Sample ID: 1610590-21

York Project (SDG) No.

1610590

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 14, 2016 10:30 am

Date Received

09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	NELAC-NY10854,NJDEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	NELAC-NY10854,NJDEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	NELAC-NY10854,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	NELAC-NY10854,NJDEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	NELAC-NY10854,NJDEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	NELAC-NY10854,NJDEP			
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-B

York Sample ID: 1610590-21

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 10:30 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 09:51	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-B

York Sample ID: 16I0590-21

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 10:30 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:51	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:51	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 09:51	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 09:51	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:51	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:51	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:51	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:51	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:51	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:51	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:51	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 09:51	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/23/2016 18:02	09/24/2016 09:51	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.6 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	98.5 %	79-122								

Sample Information

Client Sample ID: MW-42B

York Sample ID: 16I0590-22

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 9:08 am

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-42B

York Sample ID: 1610590-22

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 9:08 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS



Sample Information

Client Sample ID: MW-42B

York Sample ID: 1610590-22

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
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Collection Date/Time
September 14, 2016 9:08 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:17	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-42B

York Sample ID: 16I0590-22

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 9:08 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 10:17	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 10:17	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/23/2016 18:02	09/24/2016 10:17	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: Toluene-d8	97.2 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	79-122								

Sample Information

Client Sample ID: MW-43A

York Sample ID: 16I0590-23

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 1:19 pm

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-43A

York Sample ID: 1610590-23

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 1:19 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS



Sample Information

Client Sample ID: MW-43A

York Sample ID: 1610590-23

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 1:19 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	0.38	J	ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 10:44	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-43A

York Sample ID: 16I0590-23

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 1:19 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 10:44	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 10:44	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/23/2016 18:02	09/24/2016 10:44	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.5 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	99.7 %	79-122								

Sample Information

Client Sample ID: MW-43B

York Sample ID: 16I0590-24

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 12:40 pm

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-43B

York Sample ID: 16I0590-24

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 12:40 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:10	SS



Sample Information

Client Sample ID: MW-43B

York Sample ID: 1610590-24

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 12:40 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	0.52		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-43B

York Sample ID: 16I0590-24

York Project (SDG) No.

16I0590

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 13, 2016 12:40 pm

Date Received

09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
								Certifications: NELAC-NY10854			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
								Certifications: NELAC-NY10854			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:10	SS
								Certifications: CTDOH,NJDEP			
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.1 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	79-122								

Sample Information

Client Sample ID: MW-43C

York Sample ID: 16I0590-25

York Project (SDG) No.

16I0590

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 13, 2016 11:42 am

Date Received

09/16/2016



Sample Information

Client Sample ID: MW-43C

York Sample ID: 1610590-25

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 11:42 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS



Sample Information

Client Sample ID: MW-43C

York Sample ID: 1610590-25

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 11:42 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	0.65		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 11:36	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-43C

York Sample ID: 16I0590-25

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 11:42 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 11:36	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 11:36	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/23/2016 18:02	09/24/2016 11:36	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.3 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	98.7 %	79-122								

Sample Information

Client Sample ID: MW-53

York Sample ID: 16I0590-26

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 3:30 pm

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-53

York Sample ID: 1610590-26

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 3:30 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:02	SS



Sample Information

Client Sample ID: MW-53

York Sample ID: 1610590-26

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 3:30 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	0.54		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-53

York Sample ID: 16I0590-26

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 3:30 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	NELAC-NY10854			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	NELAC-NY10854			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
127-18-4	Tetrachloroethylene	0.26	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:02	SS
							Certifications:	CTDOH,NJDEP			
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: Toluene-d8	97.3 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	79-122								

Sample Information

Client Sample ID: MW-54

York Sample ID: 16I0590-27

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 2:40 pm

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-54

York Sample ID: 1610590-27

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 2:40 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS



Sample Information

Client Sample ID: MW-54

York Sample ID: 1610590-27

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 2:40 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	0.53		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:28	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-54

York Sample ID: 1610590-27

York Project (SDG) No.

1610590

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 13, 2016 2:40 pm

Date Received

09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 12:28	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 12:28	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/23/2016 18:02	09/24/2016 12:28	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.5 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	98.0 %	79-122								

Sample Information

Client Sample ID: MW-B1

York Sample ID: 1610590-28

York Project (SDG) No.

1610590

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 15, 2016 10:54 am

Date Received

09/16/2016



Sample Information

Client Sample ID: MW-B1

York Sample ID: 1610590-28

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 10:54 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS



Sample Information

Client Sample ID: MW-B1

York Sample ID: 1610590-28

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 10:54 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 12:54	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-B1

York Sample ID: 16I0590-28

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 10:54 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 12:54	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 12:54	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/23/2016 18:02	09/24/2016 12:54	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.4 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	99.8 %	79-122								

Sample Information

Client Sample ID: MW-B4

York Sample ID: 16I0590-29

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 10:07 am

Date Received
09/16/2016



Sample Information

Client Sample ID: MW-B4

York Sample ID: 1610590-29

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 10:07 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS



Sample Information

Client Sample ID: MW-B4

York Sample ID: 1610590-29

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 10:07 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:21	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: MW-B4

York Sample ID: 16I0590-29

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 10:07 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 13:21	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 13:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/23/2016 18:02	09/24/2016 13:21	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.6 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	99.5 %	79-122								

Sample Information

Client Sample ID: Trip Blank-SA

York Sample ID: 16I0590-30

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 12, 2016 3:00 pm

Date Received
09/16/2016



Sample Information

Client Sample ID: Trip Blank-SA

York Sample ID: 1610590-30

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 12, 2016 3:00 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS



Sample Information

Client Sample ID: Trip Blank-SA

York Sample ID: 1610590-30

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 12, 2016 3:00 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	3.6		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 13:46	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: Trip Blank-SA

York Sample ID: 16I0590-30

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 12, 2016 3:00 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 13:46	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 13:46	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/23/2016 18:02	09/24/2016 13:46	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.4 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	99.5 %	79-122								

Sample Information

Client Sample ID: Trip Blank-BM

York Sample ID: 16I0590-31

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 12, 2016 3:05 pm

Date Received
09/16/2016



Sample Information

Client Sample ID: Trip Blank-BM

York Sample ID: 1610590-31

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 12, 2016 3:05 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS



Sample Information

Client Sample ID: Trip Blank-BM

York Sample ID: 1610590-31

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 12, 2016 3:05 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	3.4		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/23/2016 18:02	09/24/2016 14:12	SS
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: Trip Blank-BM

York Sample ID: 16I0590-31

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 12, 2016 3:05 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 14:12	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/23/2016 18:02	09/24/2016 14:12	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/23/2016 18:02	09/24/2016 14:12	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.3 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	79-122								

Sample Information

Client Sample ID: Field Blank-SA

York Sample ID: 16I0590-32

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 8:50 am

Date Received
09/16/2016



Sample Information

Client Sample ID: Field Blank-SA

York Sample ID: 1610590-32

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 8:50 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK



Sample Information

Client Sample ID: Field Blank-SA

York Sample ID: 1610590-32

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 8:50 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK



Sample Information

Client Sample ID: Field Blank-SA

York Sample ID: 1610590-32

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 8:50 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:33	09/26/2016 19:35	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:33	09/26/2016 19:35	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/26/2016 08:33	09/26/2016 19:35	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	69-130								
2037-26-5	Surrogate: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	79-122								

Sample Information

Client Sample ID: Field Blank-BM

York Sample ID: 1610590-33

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 10:30 am

Date Received
09/16/2016



Sample Information

Client Sample ID: Field Blank-BM

York Sample ID: 1610590-33

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

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September 15, 2016 10:30 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK



Sample Information

Client Sample ID: Field Blank-BM

York Sample ID: 1610590-33

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 10:30 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	1.0		CCV-E, ug/L J	1.0	2.0	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:33	09/26/2016 17:44	BK
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: Field Blank-BM

York Sample ID: 16I0590-33

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 15, 2016 10:30 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:33	09/26/2016 17:44	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:33	09/26/2016 17:44	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/26/2016 08:33	09/26/2016 17:44	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	69-130								
2037-26-5	Surrogate: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	79-122								

Sample Information

Client Sample ID: RW-3

York Sample ID: 16I0590-34

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 4:40 pm

Date Received
09/16/2016



Sample Information

Client Sample ID: RW-3

York Sample ID: 1610590-34

York Project (SDG) No.

1610590

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 13, 2016 4:40 pm

Date Received

09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK



Sample Information

Client Sample ID: RW-3

York Sample ID: 1610590-34

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 4:40 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:12	BK
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: RW-3

York Sample ID: 16I0590-34

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 4:40 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:33	09/26/2016 18:12	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:33	09/26/2016 18:12	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/26/2016 08:33	09/26/2016 18:12	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	69-130								
2037-26-5	Surrogate: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	79-122								

Sample Information

Client Sample ID: RW-4

York Sample ID: 16I0590-35

York Project (SDG) No.
16I0590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 4:50 pm

Date Received
09/16/2016



Sample Information

Client Sample ID: RW-4

York Sample ID: 1610590-35

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 4:50 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK



Sample Information

Client Sample ID: RW-4

York Sample ID: 1610590-35

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 4:50 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	1.8	CCV-E, J	ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:33	09/26/2016 18:40	BK
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: RW-4

York Sample ID: 1610590-35

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 13, 2016 4:50 pm

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:33	09/26/2016 18:40	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:33	09/26/2016 18:40	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/26/2016 08:33	09/26/2016 18:40	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	79-122								

Sample Information

Client Sample ID: RW-6

York Sample ID: 1610590-36

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 10:10 am

Date Received
09/16/2016



Sample Information

Client Sample ID: RW-6

York Sample ID: 1610590-36

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 10:10 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.80	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK



Sample Information

Client Sample ID: RW-6

York Sample ID: 1610590-36

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 10:10 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	NELAC-NY10854,NJDEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	NELAC-NY10854,NJDEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	CTDOH,NELAC-NY10854,NJDEP			
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/26/2016 08:33	09/26/2016 19:08	BK
							Certifications:	NELAC-NY10854,NJDEP			



Sample Information

Client Sample ID: RW-6

York Sample ID: 1610590-36

York Project (SDG) No.
1610590

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 14, 2016 10:10 am

Date Received
09/16/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:33	09/26/2016 19:08	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	09/26/2016 08:33	09/26/2016 19:08	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	09/26/2016 08:33	09/26/2016 19:08	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	79-122								



Case Narrative

Client: Leggette Brashears & Graham Shelton Office

Client Project ID: Rowe Industries

Prepared for: Tunde Komuves-Sandor

Introduction

This Case Narrative applies only to the samples submitted to our laboratory on **9/16/2016 5:07:00 PM** as detailed on the chain-of-custody form.

The 36 sample(s) were received intact. Chain-of-custody was maintained from receipt through analysis in the laboratory.

Methodology

All preparation and analyses were conducted according to the appropriate EPA methods detailed in the report.

Sample and Analysis Qualifiers

Field Blank-BM Water Qualifiers

Volatile Organics, 8260 List - Low Level - Acetone - The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Field Blank-SA Water Qualifiers

Volatile Organics, 8260 List - Low Level - Acetone - The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

MW-28A Water No Qualifiers

MW-28B Water No Qualifiers

MW-42B Water No Qualifiers

MW-43A Water No Qualifiers

MW-43B Water No Qualifiers

MW-43C Water No Qualifiers

MW-44A Water No Qualifiers

MW-44B Water No Qualifiers

MW-44C Water No Qualifiers

MW-45A Water No Qualifiers

MW-45B Water No Qualifiers



MW-47B **Water** **No Qualifiers**

MW-52A **Water** **No Qualifiers**

MW-53 **Water** **Qualifiers**

Volatile Organics, 8260 List - Low Level - Tetrachloroethylene - The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

MW-54 **Water** **No Qualifiers**

MW-58A **Water** **No Qualifiers**

MW-58B **Water** **No Qualifiers**

MW-59B **Water** **No Qualifiers**

MW-98-01A **Water** **No Qualifiers**

MW-98-04 **Water** **No Qualifiers**

MW-98-04B **Water** **No Qualifiers**

MW-98-05AR **Water** **No Qualifiers**

MW-98-05BR **Water** **No Qualifiers**

MW-A **Water** **No Qualifiers**

MW-B **Water** **No Qualifiers**

MW-B1 **Water** **No Qualifiers**

MW-B4 **Water** **No Qualifiers**

N-32 **Water** **No Qualifiers**

N-32B **Water** **No Qualifiers**

RW-3 **Water** **No Qualifiers**

RW-4 **Water** **Qualifiers**

Volatile Organics, 8260 List - Low Level - Acetone - The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

RW-6 **Water** **Qualifiers**

Volatile Organics, 8260 List - Low Level - Acetone - The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Trip Blank-BM **Water** **No Qualifiers**



Trip Blank-SA Water No Qualifiers

QC Sample Non-Conformances

Any QC sample non-conformances (CCV,LCS, DUP, MS) are detailed in the data package and in the attached tables.

No other problems were encountered during analysis.

York Project/SDG no.: 16I0590 Statement

We certify that these data are in compliance with SOP requirements both technically and for completeness for other than the conditions stated above. Release of the data contained in the hard copy report and any electronic deliverables has been authorized by the Laboratory Manager as verified by the signature on this laboratory report.

Approved by: Ben Gulizia
Laboratory Director

Date: November 2, 2016

York Analytical Laboratories, Inc.

Formulae Used for Sample Calculations

VOLATILE ORGANICS

1. Volatiles in Air-ppbv

Cx (ppbv) = Compound concentration, ppbv (parts per billion by volume)

$$Cx = \frac{(Ax)(Cis)(DF)}{(Ais)(RRF)}$$

2. Volatiles in Air-ug/m3

Cx (ug/m3)= Compound concentration in ug/m3

$$Cx \text{ (ug/m3)} = \frac{(\text{ppbv} \times \text{Molecular wt.})}{(24.040)}$$

3. Volatile Organics (water and soil), ug/L or ug/kG

Soils/Waters

Medium Level Soils



$$C_x = \frac{(A_x)(IS)(DF)}{(A_{is})(RRF)(V)(\%solids)} \quad C_x = \frac{(A_x)(IS)(VT)(1000)(DF)}{(A_{is})(RRF)(VA)(V)(\%solids)} \quad -$$

4. Semi-Volatiles (waters and soils)

$$C_x = \frac{(A_x)(IS)(VE)(DF)}{(A_{is})(RRF)(\text{Volume injected, uL})(V)(\%solids)} \quad -$$

5. Pesticides/PCB (waters and soils), DRO, CTETPH

$$C_x = \frac{(A_x)(VE)(DF)}{(CF)(\text{Volume injected, uL})(V)(\%solids)} \quad -$$

WHERE:

C_x = concentration of analyte as ug/L or ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF = Mean relative response factor from the initial calibration.

DF = Dilution factor calculated as described in section 2. If no dilution is performed, DF = 1

V = Volume for liquids in ml, weight for soils/solids in grams.

VA = volume of MeOH aliquot for medium level soils

VE = final volume of concentrated extract

VT = volume of MeOH for volatiles medium level soils

CF = calibration factor for external calibration used in GC pest/pcb

C_{is} = Concentration of the internal standard spiking mixture, ppbv



Non-Conformance Data Summary

Laboratory: York Analytical Laboratories, Inc.
Project: Rowe Industries
Laboratory Sample ID(s): 16I0590-01 - 16I0590-36
Review Date(s): 12/30/1899 - 11/02/2016

Client: Leggette Brashears & Graham Shelton Office
Lab Project No: 16I0590
Sampling Date(s): 09/12/2016 - 09/15/2016
Laboratory Reviewer(s): MS

QC Sample Nonconformances

Batch ID: BI61100 **Affected Samples:** **See Batch Summary**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BI61100-BSD1	Chloromethane - 74-87-3	6.17 ug/L	LCS Dup	61.7	43-155		31.5	30	Non-dir.	

Batch ID: BI61178 **Affected Samples:** **See Batch Summary**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BI61178-MSD1	Chloromethane - 74-87-3	0.630 ug/L	Matrix Spike Dup (MW-98-04)	6.30	16-163	Low Bias	153	30	Non-dir.	

Batch ID: BI61179 **Affected Samples:** **See Batch Summary**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BI61179-MS1	Chloromethane - 74-87-3	0.740 ug/L	Matrix Spike (MW-58A)	7.40	16-163	Low Bias				
BI61179-MSD1	Chloromethane - 74-87-3	4.31 ug/L	Matrix Spike Dup (MW-58A)	43.1	16-163		141	30	Non-dir.	

Batch ID: BI61211 **Affected Samples:** **See Batch Summary**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BI61211-BS1	2-Hexanone - 591-78-6	2.33 ug/L	LCS	23.3	51-146	Low Bias				
BI61211-BS1	Bromomethane - 74-83-9	2.73 ug/L	LCS	27.3	43-168	Low Bias				
BI61211-BSD1	2-Hexanone - 591-78-6	2.44 ug/L	LCS Dup	24.4	51-146	Low Bias	4.61	30		
BI61211-BSD1	Bromomethane - 74-83-9	3.57 ug/L	LCS Dup	35.7	43-168	Low Bias	26.7	30		

**Batch ID:** BI61212**Affected Samples:****See Batch Summary**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BI61212-BS1	1,2,3-Trichlorobenzene - 87-61-6	14.6 ug/L	LCS	146	76-136	High Bias				
BI61212-BS1	1,3-Dichlorobenzene - 541-73-1	8.06 ug/L	LCS	80.6	86-122	Low Bias				
BI61212-BS1	1,4-Dichlorobenzene - 106-46-7	8.41 ug/L	LCS	84.1	85-124	Low Bias				
BI61212-BS1	Chlorobenzene - 108-90-7	8.76 ug/L	LCS	87.6	88-120	Low Bias				
BI61212-BS1	Chloromethane - 74-87-3	2.98 ug/L	LCS	29.8	43-155	Low Bias				
BI61212-BSD1	1,2,3-Trichlorobenzene - 87-61-6	16.8 ug/L	LCS Dup	168	76-136	High Bias	14.1	30		
BI61212-BSD1	1,3-Dichlorobenzene - 541-73-1	8.18 ug/L	LCS Dup	81.8	86-122	Low Bias	1.48	30		
BI61212-BSD1	1,4-Dichlorobenzene - 106-46-7	8.40 ug/L	LCS Dup	84.0	85-124	Low Bias	0.119	30		
BI61212-BSD1	Bromomethane - 74-83-9	10.4 ug/L	LCS Dup	104	43-168		79.4	30	Non-dir.	
BI61212-BSD1	Chloromethane - 74-87-3	3.86 ug/L	LCS Dup	38.6	43-155	Low Bias	25.7	30		
BI61212-BSD1	Naphthalene - 91-20-3	15.0 ug/L	LCS Dup	150	70-147	High Bias	9.72	30		

Batch ID: BI61289**Affected Samples:****See Batch Summary**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BI61289-BS1	1,3-Dichlorobenzene - 541-73-1	8.24 ug/L	LCS	82.4	86-122	Low Bias				
BI61289-BS1	1,4-Dichlorobenzene - 106-46-7	8.36 ug/L	LCS	83.6	85-124	Low Bias				
BI61289-BS1	Chlorobenzene - 108-90-7	8.62 ug/L	LCS	86.2	88-120	Low Bias				
BI61289-BS1	Chloromethane - 74-87-3	1.34 ug/L	LCS	13.4	43-155	Low Bias				
BI61289-BS1	Vinyl Chloride - 75-01-4	5.19 ug/L	LCS	51.9	58-145	Low Bias				
BI61289-BSD1	1,2,3-Trichlorobenzene - 87-61-6	14.1 ug/L	LCS Dup	141	76-136	High Bias	16.1	30		
BI61289-BSD1	1,3-Dichlorobenzene - 541-73-1	8.35 ug/L	LCS Dup	83.5	86-122	Low Bias	1.33	30		
BI61289-BSD1	Chlorobenzene - 108-90-7	8.74 ug/L	LCS Dup	87.4	88-120	Low Bias	1.38	30		
BI61289-BSD1	Chloromethane - 74-87-3	1.72 ug/L	LCS Dup	17.2	43-155	Low Bias	24.8	30		
BI61289-BSD1	Vinyl Chloride - 75-01-4	5.03 ug/L	LCS Dup	50.3	58-145	Low Bias	3.13	30		



Analytical Batch Summary

Batch ID: BI61100

Preparation Method: EPA 5030B

Prepared By: OW

YORK Sample ID	Client Sample ID	Preparation Date
16I0590-01	MW-98-01A	09/22/16
16I0590-03	MW-98-04B	09/22/16
16I0590-04	MW-A	09/22/16
16I0590-05	MW-98-05AR	09/22/16
16I0590-06	MW-98-05BR	09/22/16
BI61100-BLK1	Blank	09/22/16
BI61100-BS1	LCS	09/22/16
BI61100-BSD1	LCS Dup	09/22/16

Batch ID: BI61178

Preparation Method: EPA 5030B

Prepared By: OW

YORK Sample ID	Client Sample ID	Preparation Date
16I0590-02	MW-98-04	09/22/16
16I0590-07	MW-45A	09/22/16
16I0590-08	MW-45B	09/22/16
16I0590-19	MW-58B	09/22/16
BI61178-BLK1	Blank	09/23/16
BI61178-BS1	LCS	09/23/16
BI61178-BSD1	LCS Dup	09/23/16
BI61178-MS1	Matrix Spike	09/23/16
BI61178-MSD1	Matrix Spike Dup	09/23/16

Batch ID: BI61179

Preparation Method: EPA 5030B

Prepared By: OW

YORK Sample ID	Client Sample ID	Preparation Date
16I0590-18	MW-58A	09/23/16
16I0590-20	MW-59B	09/23/16
16I0590-21	MW-B	09/23/16
16I0590-22	MW-42B	09/23/16
16I0590-23	MW-43A	09/23/16
16I0590-24	MW-43B	09/23/16
16I0590-25	MW-43C	09/23/16
16I0590-26	MW-53	09/23/16
16I0590-27	MW-54	09/23/16
16I0590-28	MW-B1	09/23/16
16I0590-29	MW-B4	09/23/16
16I0590-30	Trip Blank-SA	09/23/16
16I0590-31	Trip Blank-BM	09/23/16
BI61179-BLK1	Blank	09/23/16
BI61179-BS1	LCS	09/23/16
BI61179-BSD1	LCS Dup	09/23/16
BI61179-MS1	Matrix Spike	09/23/16
BI61179-MSD1	Matrix Spike Dup	09/23/16



Batch ID: BI61211

Preparation Method: EPA 5030B

Prepared By: OW

YORK Sample ID	Client Sample ID	Preparation Date
16I0590-09	MW-52A	09/26/16
16I0590-10	MW-28A	09/26/16
16I0590-11	MW-28B	09/26/16
16I0590-12	MW-44A	09/26/16
16I0590-13	MW-44B	09/26/16
16I0590-14	MW-44C	09/26/16
16I0590-15	MW-47B	09/26/16
16I0590-16	N-32	09/26/16
BI61211-BLK1	Blank	09/26/16
BI61211-BS1	LCS	09/26/16
BI61211-BSD1	LCS Dup	09/26/16

Batch ID: BI61212

Preparation Method: EPA 5030B

Prepared By: OW

YORK Sample ID	Client Sample ID	Preparation Date
16I0590-32	Field Blank-SA	09/26/16
16I0590-33	Field Blank-BM	09/26/16
16I0590-34	RW-3	09/26/16
16I0590-35	RW-4	09/26/16
16I0590-36	RW-6	09/26/16
BI61212-BLK1	Blank	09/26/16
BI61212-BS1	LCS	09/26/16
BI61212-BSD1	LCS Dup	09/26/16

Batch ID: BI61289

Preparation Method: EPA 5030B

Prepared By: OW

YORK Sample ID	Client Sample ID	Preparation Date
16I0590-17	N-32B	09/27/16
BI61289-BLK1	Blank	09/27/16
BI61289-BS1	LCS	09/27/16
BI61289-BSD1	LCS Dup	09/27/16



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI61100 - EPA 5030B

Blank (BI61100-BLK1)

Prepared & Analyzed: 09/22/2016

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	ND	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	2.0	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	1.2	2.0	"
Naphthalene	ND	2.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI61100 - EPA 5030B											
Blank (BI61100-BLK1)						Prepared & Analyzed: 09/22/2016					
o-Xylene	ND	0.50	ug/L								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.81</i>		<i>"</i>	<i>10.0</i>		<i>98.1</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.96</i>		<i>"</i>	<i>10.0</i>		<i>99.6</i>	<i>79-122</i>				
LCS (BI61100-BS1)						Prepared & Analyzed: 09/22/2016					
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126				
1,1,1-Trichloroethane	11.0		"	10.0		110	78-136				
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	54-165				
1,1,2-Trichloroethane	10.4		"	10.0		104	82-123				
1,1-Dichloroethane	10.9		"	10.0		109	82-129				
1,1-Dichloroethylene	10.5		"	10.0		105	68-138				
1,1-Dichloropropylene	10.4		"	10.0		104	83-133				
1,2,3-Trichlorobenzene	9.95		"	10.0		99.5	76-136				
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128				
1,2,4-Trichlorobenzene	10.3		"	10.0		103	76-137				
1,2,4-Trimethylbenzene	10.5		"	10.0		105	82-132				
1,2-Dibromo-3-chloropropane	9.65		"	10.0		96.5	45-147				
1,2-Dibromoethane	10.4		"	10.0		104	83-124				
1,2-Dichlorobenzene	9.68		"	10.0		96.8	79-123				
1,2-Dichloroethane	10.9		"	10.0		109	73-132				
1,2-Dichloropropane	10.0		"	10.0		100	78-126				
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131				
1,3-Dichlorobenzene	9.95		"	10.0		99.5	86-122				
1,3-Dichloropropane	10.2		"	10.0		102	81-125				
1,4-Dichlorobenzene	9.92		"	10.0		99.2	85-124				
2,2-Dichloropropane	11.1		"	10.0		111	56-150				
2-Chlorotoluene	9.72		"	10.0		97.2	79-130				
2-Hexanone	9.76		"	10.0		97.6	51-146				
4-Chlorotoluene	9.76		"	10.0		97.6	79-128				
Acetone	9.78		"	10.0		97.8	14-150				
Benzene	10.8		"	10.0		108	85-126				
Bromobenzene	10.1		"	10.0		101	78-129				
Bromochloromethane	10.4		"	10.0		104	77-128				
Bromodichloromethane	10.5		"	10.0		105	79-128				
Bromoform	10.4		"	10.0		104	78-133				
Bromomethane	6.01		"	10.0		60.1	43-168				
Carbon tetrachloride	11.3		"	10.0		113	77-141				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI61100 - EPA 5030B

LCS (BI61100-BS1)

Prepared & Analyzed: 09/22/2016

Chlorobenzene	9.86		ug/L	10.0		98.6	88-120				
Chloroethane	9.99		"	10.0		99.9	65-136				
Chloroform	11.0		"	10.0		110	82-128				
Chloromethane	4.49		"	10.0		44.9	43-155				
cis-1,2-Dichloroethylene	10.6		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	10.0		"	10.0		100	80-131				
Dibromochloromethane	10.4		"	10.0		104	80-130				
Dibromomethane	11.1		"	10.0		111	72-134				
Dichlorodifluoromethane	9.32		"	10.0		93.2	44-144				
Ethyl Benzene	10.3		"	10.0		103	80-131				
Hexachlorobutadiene	10.1		"	10.0		101	67-146				
Isopropylbenzene	9.78		"	10.0		97.8	76-140				
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105	76-135				
Methylene chloride	12.0		"	10.0		120	55-137				
Naphthalene	9.90		"	10.0		99.0	70-147				
n-Butylbenzene	10.3		"	10.0		103	79-132				
n-Propylbenzene	9.86		"	10.0		98.6	78-133				
o-Xylene	9.81		"	10.0		98.1	78-130				
p- & m- Xylenes	20.6		"	20.0		103	77-133				
p-Isopropyltoluene	10.6		"	10.0		106	81-136				
sec-Butylbenzene	9.57		"	10.0		95.7	79-137				
Styrene	11.1		"	10.0		111	67-132				
tert-Butylbenzene	9.79		"	10.0		97.9	77-138				
Tetrachloroethylene	9.16		"	10.0		91.6	82-131				
Toluene	10.3		"	10.0		103	80-127				
trans-1,2-Dichloroethylene	10.5		"	10.0		105	80-132				
trans-1,3-Dichloropropylene	9.84		"	10.0		98.4	78-131				
Trichloroethylene	10.3		"	10.0		103	82-128				
Trichlorofluoromethane	11.0		"	10.0		110	67-139				
Vinyl Chloride	9.51		"	10.0		95.1	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.87</i>		<i>"</i>	<i>10.0</i>		<i>98.7</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.79</i>		<i>"</i>	<i>10.0</i>		<i>97.9</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BI61100 - EPA 5030B											
LCS Dup (BI61100-BSD1)						Prepared & Analyzed: 09/22/2016					
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100	82-126		0.795	30	
1,1,1-Trichloroethane	10.7		"	10.0		107	78-136		2.49	30	
1,1,2,2-Tetrachloroethane	9.91		"	10.0		99.1	76-129		2.69	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3		"	10.0		103	54-165		5.94	30	
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123		1.93	30	
1,1-Dichloroethane	10.5		"	10.0		105	82-129		3.82	30	
1,1-Dichloroethylene	9.98		"	10.0		99.8	68-138		5.36	30	
1,1-Dichloropropylene	10.3		"	10.0		103	83-133		0.867	30	
1,2,3-Trichlorobenzene	9.86		"	10.0		98.6	76-136		0.909	30	
1,2,3-Trichloropropane	10.1		"	10.0		101	77-128		2.45	30	
1,2,4-Trichlorobenzene	9.97		"	10.0		99.7	76-137		3.26	30	
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132		3.69	30	
1,2-Dibromo-3-chloropropane	9.77		"	10.0		97.7	45-147		1.24	30	
1,2-Dibromoethane	10.2		"	10.0		102	83-124		1.46	30	
1,2-Dichlorobenzene	9.32		"	10.0		93.2	79-123		3.79	30	
1,2-Dichloroethane	10.7		"	10.0		107	73-132		1.76	30	
1,2-Dichloropropane	9.77		"	10.0		97.7	78-126		2.83	30	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	80-131		2.72	30	
1,3-Dichlorobenzene	9.53		"	10.0		95.3	86-122		4.31	30	
1,3-Dichloropropane	10.1		"	10.0		101	81-125		0.789	30	
1,4-Dichlorobenzene	9.65		"	10.0		96.5	85-124		2.76	30	
2,2-Dichloropropane	10.9		"	10.0		109	56-150		2.27	30	
2-Chlorotoluene	9.40		"	10.0		94.0	79-130		3.35	30	
2-Hexanone	10.5		"	10.0		105	51-146		7.31	30	
4-Chlorotoluene	9.40		"	10.0		94.0	79-128		3.76	30	
Acetone	11.5		"	10.0		115	14-150		16.5	30	
Benzene	10.6		"	10.0		106	85-126		2.34	30	
Bromobenzene	9.63		"	10.0		96.3	78-129		4.37	30	
Bromochloromethane	10.2		"	10.0		102	77-128		2.52	30	
Bromodichloromethane	10.2		"	10.0		102	79-128		3.00	30	
Bromoform	10.2		"	10.0		102	78-133		1.75	30	
Bromomethane	5.58		"	10.0		55.8	43-168		7.42	30	
Carbon tetrachloride	11.1		"	10.0		111	77-141		1.97	30	
Chlorobenzene	9.59		"	10.0		95.9	88-120		2.78	30	
Chloroethane	9.32		"	10.0		93.2	65-136		6.94	30	
Chloroform	10.8		"	10.0		108	82-128		1.65	30	
Chloromethane	6.17		"	10.0		61.7	43-155		31.5	30	Non-dir.
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		3.36	30	
cis-1,3-Dichloropropylene	9.88		"	10.0		98.8	80-131		1.61	30	
Dibromochloromethane	10.2		"	10.0		102	80-130		1.75	30	
Dibromomethane	10.9		"	10.0		109	72-134		1.27	30	
Dichlorodifluoromethane	8.94		"	10.0		89.4	44-144		4.16	30	
Ethyl Benzene	10.1		"	10.0		101	80-131		2.35	30	
Hexachlorobutadiene	9.92		"	10.0		99.2	67-146		1.70	30	
Isopropylbenzene	9.53		"	10.0		95.3	76-140		2.59	30	
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	76-135		0.959	30	
Methylene chloride	13.5		"	10.0		135	55-137		12.2	30	
Naphthalene	9.83		"	10.0		98.3	70-147		0.710	30	
n-Butylbenzene	9.95		"	10.0		99.5	79-132		3.46	30	
n-Propylbenzene	9.51		"	10.0		95.1	78-133		3.61	30	
o-Xylene	9.61		"	10.0		96.1	78-130		2.06	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI61100 - EPA 5030B

LCS Dup (BI61100-BSD1)

Prepared & Analyzed: 09/22/2016

p- & m- Xylenes	20.1		ug/L	20.0		101	77-133		2.36	30
p-Isopropyltoluene	10.2		"	10.0		102	81-136		3.57	30
sec-Butylbenzene	9.31		"	10.0		93.1	79-137		2.75	30
Styrene	10.8		"	10.0		108	67-132		2.66	30
tert-Butylbenzene	9.43		"	10.0		94.3	77-138		3.75	30
Tetrachloroethylene	10.3		"	10.0		103	82-131		12.0	30
Toluene	10.0		"	10.0		100	80-127		2.86	30
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132		1.05	30
trans-1,3-Dichloropropylene	9.77		"	10.0		97.7	78-131		0.714	30
Trichloroethylene	10.0		"	10.0		100	82-128		2.46	30
Trichlorofluoromethane	10.7		"	10.0		107	67-139		3.41	30
Vinyl Chloride	9.00		"	10.0		90.0	58-145		5.51	30
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130			
Surrogate: Toluene-d8	9.81		"	10.0		98.1	81-117			
Surrogate: p-Bromofluorobenzene	9.80		"	10.0		98.0	79-122			

Batch BI61178 - EPA 5030B

Blank (BI61178-BLK1)

Prepared & Analyzed: 09/23/2016

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	ND	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI61178 - EPA 5030B

Blank (BI61178-BLK1)

Prepared & Analyzed: 09/23/2016

Chlorobenzene	ND	0.50	ug/L								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.70</i>		<i>"</i>	<i>10.0</i>		<i>97.0</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI61178 - EPA 5030B											
LCS (BI61178-BS1)						Prepared & Analyzed: 09/23/2016					
1,1,1,2-Tetrachloroethane	9.74		ug/L	10.0		97.4	82-126				
1,1,1-Trichloroethane	10.6		"	10.0		106	78-136				
1,1,2,2-Tetrachloroethane	9.58		"	10.0		95.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	54-165				
1,1,2-Trichloroethane	9.78		"	10.0		97.8	82-123				
1,1-Dichloroethane	10.5		"	10.0		105	82-129				
1,1-Dichloroethylene	10.8		"	10.0		108	68-138				
1,1-Dichloropropylene	10.3		"	10.0		103	83-133				
1,2,3-Trichlorobenzene	9.53		"	10.0		95.3	76-136				
1,2,3-Trichloropropane	9.68		"	10.0		96.8	77-128				
1,2,4-Trichlorobenzene	9.83		"	10.0		98.3	76-137				
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132				
1,2-Dibromo-3-chloropropane	9.40		"	10.0		94.0	45-147				
1,2-Dibromoethane	9.80		"	10.0		98.0	83-124				
1,2-Dichlorobenzene	9.35		"	10.0		93.5	79-123				
1,2-Dichloroethane	10.6		"	10.0		106	73-132				
1,2-Dichloropropane	9.32		"	10.0		93.2	78-126				
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131				
1,3-Dichlorobenzene	9.66		"	10.0		96.6	86-122				
1,3-Dichloropropane	9.60		"	10.0		96.0	81-125				
1,4-Dichlorobenzene	9.62		"	10.0		96.2	85-124				
2,2-Dichloropropane	10.9		"	10.0		109	56-150				
2-Chlorotoluene	9.35		"	10.0		93.5	79-130				
2-Hexanone	9.69		"	10.0		96.9	51-146				
4-Chlorotoluene	9.33		"	10.0		93.3	79-128				
Acetone	10.9		"	10.0		109	14-150				
Benzene	10.4		"	10.0		104	85-126				
Bromobenzene	9.44		"	10.0		94.4	78-129				
Bromochloromethane	9.92		"	10.0		99.2	77-128				
Bromodichloromethane	9.84		"	10.0		98.4	79-128				
Bromoform	9.89		"	10.0		98.9	78-133				
Bromomethane	5.81		"	10.0		58.1	43-168				
Carbon tetrachloride	11.0		"	10.0		110	77-141				
Chlorobenzene	9.40		"	10.0		94.0	88-120				
Chloroethane	10.0		"	10.0		100	65-136				
Chloroform	10.6		"	10.0		106	82-128				
Chloromethane	5.60		"	10.0		56.0	43-155				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	83-129				
cis-1,3-Dichloropropylene	9.55		"	10.0		95.5	80-131				
Dibromochloromethane	9.76		"	10.0		97.6	80-130				
Dibromomethane	10.5		"	10.0		105	72-134				
Dichlorodifluoromethane	10.4		"	10.0		104	44-144				
Ethyl Benzene	9.86		"	10.0		98.6	80-131				
Hexachlorobutadiene	9.60		"	10.0		96.0	67-146				
Isopropylbenzene	9.45		"	10.0		94.5	76-140				
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	76-135				
Methylene chloride	9.06		"	10.0		90.6	55-137				
Naphthalene	9.44		"	10.0		94.4	70-147				
n-Butylbenzene	9.88		"	10.0		98.8	79-132				
n-Propylbenzene	9.38		"	10.0		93.8	78-133				
o-Xylene	9.47		"	10.0		94.7	78-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI61178 - EPA 5030B											
LCS (BI61178-BS1)						Prepared & Analyzed: 09/23/2016					
p- & m- Xylenes	19.8		ug/L	20.0		99.2	77-133				
p-Isopropyltoluene	10.2		"	10.0		102	81-136				
sec-Butylbenzene	9.28		"	10.0		92.8	79-137				
Styrene	10.6		"	10.0		106	67-132				
tert-Butylbenzene	9.44		"	10.0		94.4	77-138				
Tetrachloroethylene	10.8		"	10.0		108	82-131				
Toluene	9.75		"	10.0		97.5	80-127				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132				
trans-1,3-Dichloropropylene	9.36		"	10.0		93.6	78-131				
Trichloroethylene	9.85		"	10.0		98.5	82-128				
Trichlorofluoromethane	11.0		"	10.0		110	67-139				
Vinyl Chloride	9.39		"	10.0		93.9	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.74</i>		<i>"</i>	<i>10.0</i>		<i>97.4</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.91</i>		<i>"</i>	<i>10.0</i>		<i>99.1</i>	<i>79-122</i>				
LCS Dup (BI61178-BS1)						Prepared & Analyzed: 09/23/2016					
1,1,1,2-Tetrachloroethane	9.98		ug/L	10.0		99.8	82-126		2.43	30	
1,1,1-Trichloroethane	11.0		"	10.0		110	78-136		3.06	30	
1,1,2,2-Tetrachloroethane	9.45		"	10.0		94.5	76-129		1.37	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3		"	10.0		113	54-165		2.69	30	
1,1,2-Trichloroethane	9.92		"	10.0		99.2	82-123		1.42	30	
1,1-Dichloroethane	10.6		"	10.0		106	82-129		0.379	30	
1,1-Dichloroethylene	11.0		"	10.0		110	68-138		1.37	30	
1,1-Dichloropropylene	10.3		"	10.0		103	83-133		0.777	30	
1,2,3-Trichlorobenzene	9.66		"	10.0		96.6	76-136		1.35	30	
1,2,3-Trichloropropane	9.68		"	10.0		96.8	77-128		0.00	30	
1,2,4-Trichlorobenzene	9.81		"	10.0		98.1	76-137		0.204	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132		0.588	30	
1,2-Dibromo-3-chloropropane	9.34		"	10.0		93.4	45-147		0.640	30	
1,2-Dibromoethane	10.1		"	10.0		101	83-124		2.72	30	
1,2-Dichlorobenzene	9.39		"	10.0		93.9	79-123		0.427	30	
1,2-Dichloroethane	10.6		"	10.0		106	73-132		0.189	30	
1,2-Dichloropropane	9.51		"	10.0		95.1	78-126		2.02	30	
1,3,5-Trimethylbenzene	10.3		"	10.0		103	80-131		2.36	30	
1,3-Dichlorobenzene	9.71		"	10.0		97.1	86-122		0.516	30	
1,3-Dichloropropane	9.64		"	10.0		96.4	81-125		0.416	30	
1,4-Dichlorobenzene	9.68		"	10.0		96.8	85-124		0.622	30	
2,2-Dichloropropane	10.9		"	10.0		109	56-150		0.0920	30	
2-Chlorotoluene	9.43		"	10.0		94.3	79-130		0.852	30	
2-Hexanone	8.95		"	10.0		89.5	51-146		7.94	30	
4-Chlorotoluene	9.47		"	10.0		94.7	79-128		1.49	30	
Acetone	8.59		"	10.0		85.9	14-150		23.9	30	
Benzene	10.6		"	10.0		106	85-126		2.19	30	
Bromobenzene	9.72		"	10.0		97.2	78-129		2.92	30	
Bromochloromethane	9.93		"	10.0		99.3	77-128		0.101	30	
Bromodichloromethane	10.0		"	10.0		100	79-128		1.81	30	
Bromoform	9.86		"	10.0		98.6	78-133		0.304	30	
Bromomethane	6.14		"	10.0		61.4	43-168		5.52	30	
Carbon tetrachloride	11.2		"	10.0		112	77-141		2.26	30	
Chlorobenzene	9.61		"	10.0		96.1	88-120		2.21	30	
Chloroethane	9.87		"	10.0		98.7	65-136		1.51	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI61178 - EPA 5030B

LCS Dup (BI61178-BSD1)					Prepared & Analyzed: 09/23/2016						
Chloroform	10.8		ug/L	10.0		108	82-128		2.43	30	
Chloromethane	6.04		"	10.0		60.4	43-155		7.56	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		0.984	30	
cis-1,3-Dichloropropylene	9.73		"	10.0		97.3	80-131		1.87	30	
Dibromochloromethane	9.89		"	10.0		98.9	80-130		1.32	30	
Dibromomethane	10.6		"	10.0		106	72-134		0.951	30	
Dichlorodifluoromethane	10.4		"	10.0		104	44-144		0.673	30	
Ethyl Benzene	10.1		"	10.0		101	80-131		2.31	30	
Hexachlorobutadiene	9.79		"	10.0		97.9	67-146		1.96	30	
Isopropylbenzene	9.71		"	10.0		97.1	76-140		2.71	30	
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	76-135		1.39	30	
Methylene chloride	9.23		"	10.0		92.3	55-137		1.86	30	
Naphthalene	9.47		"	10.0		94.7	70-147		0.317	30	
n-Butylbenzene	10.0		"	10.0		100	79-132		1.21	30	
n-Propylbenzene	9.60		"	10.0		96.0	78-133		2.32	30	
o-Xylene	9.65		"	10.0		96.5	78-130		1.88	30	
p- & m- Xylenes	20.2		"	20.0		101	77-133		1.80	30	
p-Isopropyltoluene	10.4		"	10.0		104	81-136		1.55	30	
sec-Butylbenzene	9.38		"	10.0		93.8	79-137		1.07	30	
Styrene	10.7		"	10.0		107	67-132		0.282	30	
tert-Butylbenzene	9.75		"	10.0		97.5	77-138		3.23	30	
Tetrachloroethylene	9.14		"	10.0		91.4	82-131		17.0	30	
Toluene	9.97		"	10.0		99.7	80-127		2.23	30	
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132		2.05	30	
trans-1,3-Dichloropropylene	9.40		"	10.0		94.0	78-131		0.426	30	
Trichloroethylene	10.2		"	10.0		102	82-128		3.20	30	
Trichlorofluoromethane	11.1		"	10.0		111	67-139		0.902	30	
Vinyl Chloride	9.60		"	10.0		96.0	58-145		2.21	30	
Surrogate: 1,2-Dichloroethane-d4	10.0		"	10.0		100	69-130				
Surrogate: Toluene-d8	9.84		"	10.0		98.4	81-117				
Surrogate: p-Bromofluorobenzene	9.88		"	10.0		98.8	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BI61178 - EPA 5030B

Matrix Spike (BI61178-MS1)	*Source sample: 16I0590-02 (MW-98-04)						Prepared: 09/23/2016 Analyzed: 09/24/2016				
1,1,1,2-Tetrachloroethane	9.43		ug/L	10.0	ND	94.3	45-161				
1,1,1-Trichloroethane	10.9		"	10.0	ND	109	70-146				
1,1,2,2-Tetrachloroethane	8.93		"	10.0	ND	89.3	74-121				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.47		"	10.0	ND	94.7	21-217				
1,1,2-Trichloroethane	9.54		"	10.0	ND	95.4	59-146				
1,1-Dichloroethane	10.4		"	10.0	ND	104	54-146				
1,1-Dichloroethylene	10.5		"	10.0	ND	105	44-165				
1,1-Dichloropropylene	9.72		"	10.0	ND	97.2	82-134				
1,2,3-Trichlorobenzene	8.13		"	10.0	ND	81.3	40-161				
1,2,3-Trichloropropane	9.35		"	10.0	ND	93.5	74-127				
1,2,4-Trichlorobenzene	8.00		"	10.0	ND	80.0	41-161				
1,2,4-Trimethylbenzene	9.08		"	10.0	ND	90.8	72-129				
1,2-Dibromo-3-chloropropane	8.53		"	10.0	ND	85.3	31-151				
1,2-Dibromoethane	9.44		"	10.0	ND	94.4	75-125				
1,2-Dichlorobenzene	8.52		"	10.0	ND	85.2	63-122				
1,2-Dichloroethane	10.2		"	10.0	ND	102	68-131				
1,2-Dichloropropane	9.09		"	10.0	ND	90.9	77-121				
1,3,5-Trimethylbenzene	9.21		"	10.0	ND	92.1	69-126				
1,3-Dichlorobenzene	8.49		"	10.0	ND	84.9	74-119				
1,3-Dichloropropane	9.20		"	10.0	ND	92.0	77-119				
1,4-Dichlorobenzene	8.55		"	10.0	ND	85.5	70-124				
2,2-Dichloropropane	9.54		"	10.0	ND	95.4	10-160				
2-Chlorotoluene	8.59		"	10.0	ND	85.9	70-126				
2-Hexanone	7.93		"	10.0	ND	79.3	53-133				
4-Chlorotoluene	8.45		"	10.0	ND	84.5	69-124				
Acetone	6.54		"	10.0	ND	65.4	13-149				
Benzene	10.3		"	10.0	ND	103	38-155				
Bromobenzene	8.88		"	10.0	ND	88.8	72-122				
Bromochloromethane	9.45		"	10.0	ND	94.5	75-121				
Bromodichloromethane	9.43		"	10.0	ND	94.3	70-129				
Bromoform	9.43		"	10.0	ND	94.3	66-136				
Bromomethane	5.89		"	10.0	ND	58.9	30-158				
Carbon tetrachloride	11.1		"	10.0	ND	111	71-146				
Chlorobenzene	8.97		"	10.0	ND	89.7	81-117				
Chloroethane	9.42		"	10.0	ND	94.2	51-145				
Chloroform	10.5		"	10.0	ND	105	80-124				
Chloromethane	4.74		"	10.0	ND	47.4	16-163				
cis-1,2-Dichloroethylene	9.83		"	10.0	ND	98.3	76-125				
cis-1,3-Dichloropropylene	9.02		"	10.0	ND	90.2	58-131				
Dibromochloromethane	9.44		"	10.0	ND	94.4	71-129				
Dibromomethane	9.94		"	10.0	ND	99.4	76-120				
Dichlorodifluoromethane	7.88		"	10.0	ND	78.8	30-147				
Ethyl Benzene	9.35		"	10.0	ND	93.5	72-128				
Hexachlorobutadiene	8.10		"	10.0	ND	81.0	34-166				
Isopropylbenzene	8.91		"	10.0	ND	89.1	66-139				
Methyl tert-butyl ether (MTBE)	9.66		"	10.0	ND	96.6	75-128				
Methylene chloride	8.73		"	10.0	ND	87.3	57-128				
Naphthalene	8.41		"	10.0	ND	84.1	39-158				
n-Butylbenzene	8.11		"	10.0	ND	81.1	61-138				
n-Propylbenzene	8.46		"	10.0	ND	84.6	66-134				
o-Xylene	8.96		"	10.0	ND	89.6	69-126				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BI61178 - EPA 5030B

Matrix Spike (BI61178-MS1)		*Source sample: 1610590-02 (MW-98-04)					Prepared: 09/23/2016 Analyzed: 09/24/2016				
p- & m- Xylenes	18.4		ug/L	20.0	ND	92.0	67-130				
p-Isopropyltoluene	8.92		"	10.0	ND	89.2	64-137				
sec-Butylbenzene	8.34		"	10.0	ND	83.4	53-155				
Styrene	9.89		"	10.0	ND	98.9	69-125				
tert-Butylbenzene	8.89		"	10.0	ND	88.9	65-139				
Tetrachloroethylene	10.4		"	10.0	2.45	80.0	64-139				
Toluene	9.48		"	10.0	ND	94.8	76-123				
trans-1,2-Dichloroethylene	9.83		"	10.0	ND	98.3	79-131				
trans-1,3-Dichloropropylene	8.70		"	10.0	ND	87.0	55-130				
Trichloroethylene	9.69		"	10.0	ND	96.9	53-145				
Trichlorofluoromethane	10.5		"	10.0	ND	105	61-142				
Vinyl Chloride	8.94		"	10.0	ND	89.4	31-165				
Surrogate: 1,2-Dichloroethane-d4	10.0		"	10.0		100	69-130				
Surrogate: Toluene-d8	9.81		"	10.0		98.1	81-117				
Surrogate: p-Bromofluorobenzene	9.92		"	10.0		99.2	79-122				

Matrix Spike Dup (BI61178-MSD1)		*Source sample: 1610590-02 (MW-98-04)					Prepared: 09/23/2016 Analyzed: 09/24/2016				
1,1,1,2-Tetrachloroethane	9.25		ug/L	10.0	ND	92.5	45-161	1.93	30		
1,1,1-Trichloroethane	10.4		"	10.0	ND	104	70-146	4.61	30		
1,1,2,2-Tetrachloroethane	8.73		"	10.0	ND	87.3	74-121	2.27	30		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.30		"	10.0	ND	83.0	21-217	13.2	30		
1,1,2-Trichloroethane	9.12		"	10.0	ND	91.2	59-146	4.50	30		
1,1-Dichloroethane	9.91		"	10.0	ND	99.1	54-146	4.44	30		
1,1-Dichloroethylene	10.1		"	10.0	ND	101	44-165	4.66	30		
1,1-Dichloropropylene	9.48		"	10.0	ND	94.8	82-134	2.50	30		
1,2,3-Trichlorobenzene	8.12		"	10.0	ND	81.2	40-161	0.123	30		
1,2,3-Trichloropropane	9.01		"	10.0	ND	90.1	74-127	3.70	30		
1,2,4-Trichlorobenzene	7.79		"	10.0	ND	77.9	41-161	2.66	30		
1,2,4-Trimethylbenzene	8.64		"	10.0	ND	86.4	72-129	4.97	30		
1,2-Dibromo-3-chloropropane	8.49		"	10.0	ND	84.9	31-151	0.470	30		
1,2-Dibromoethane	9.21		"	10.0	ND	92.1	75-125	2.47	30		
1,2-Dichlorobenzene	8.24		"	10.0	ND	82.4	63-122	3.34	30		
1,2-Dichloroethane	9.84		"	10.0	ND	98.4	68-131	3.10	30		
1,2-Dichloropropane	8.87		"	10.0	ND	88.7	77-121	2.45	30		
1,3,5-Trimethylbenzene	8.88		"	10.0	ND	88.8	69-126	3.65	30		
1,3-Dichlorobenzene	8.24		"	10.0	ND	82.4	74-119	2.99	30		
1,3-Dichloropropane	8.99		"	10.0	ND	89.9	77-119	2.31	30		
1,4-Dichlorobenzene	8.14		"	10.0	ND	81.4	70-124	4.91	30		
2,2-Dichloropropane	9.13		"	10.0	ND	91.3	10-160	4.39	30		
2-Chlorotoluene	8.27		"	10.0	ND	82.7	70-126	3.80	30		
2-Hexanone	7.91		"	10.0	ND	79.1	53-133	0.253	30		
4-Chlorotoluene	8.04		"	10.0	ND	80.4	69-124	4.97	30		
Acetone	6.15		"	10.0	ND	61.5	13-149	6.15	30		
Benzene	9.90		"	10.0	ND	99.0	38-155	3.57	30		
Bromobenzene	8.46		"	10.0	ND	84.6	72-122	4.84	30		
Bromochloromethane	9.21		"	10.0	ND	92.1	75-121	2.57	30		
Bromodichloromethane	9.24		"	10.0	ND	92.4	70-129	2.04	30		
Bromoform	9.26		"	10.0	ND	92.6	66-136	1.82	30		
Bromomethane	5.21		"	10.0	ND	52.1	30-158	12.3	30		
Carbon tetrachloride	10.7		"	10.0	ND	107	71-146	4.22	30		
Chlorobenzene	8.62		"	10.0	ND	86.2	81-117	3.98	30		
Chloroethane	9.26		"	10.0	ND	92.6	51-145	1.71	30		



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI61178 - EPA 5030B											
Matrix Spike Dup (BI61178-MSD1)	*Source sample: 16I0590-02 (MW-98-04)						Prepared: 09/23/2016 Analyzed: 09/24/2016				
Chloroform	10.1		ug/L	10.0	ND	101	80-124		3.70	30	
Chloromethane	0.630		"	10.0	ND	6.30	16-163	Low Bias	153	30	Non-dir.
cis-1,2-Dichloroethylene	9.41		"	10.0	ND	94.1	76-125		4.37	30	
cis-1,3-Dichloropropylene	8.75		"	10.0	ND	87.5	58-131		3.04	30	
Dibromochloromethane	9.19		"	10.0	ND	91.9	71-129		2.68	30	
Dibromomethane	9.77		"	10.0	ND	97.7	76-120		1.73	30	
Dichlorodifluoromethane	6.93		"	10.0	ND	69.3	30-147		12.8	30	
Ethyl Benzene	9.05		"	10.0	ND	90.5	72-128		3.26	30	
Hexachlorobutadiene	7.60		"	10.0	ND	76.0	34-166		6.37	30	
Isopropylbenzene	8.52		"	10.0	ND	85.2	66-139		4.48	30	
Methyl tert-butyl ether (MTBE)	9.42		"	10.0	ND	94.2	75-128		2.52	30	
Methylene chloride	8.39		"	10.0	ND	83.9	57-128		3.97	30	
Naphthalene	8.52		"	10.0	ND	85.2	39-158		1.30	30	
n-Butylbenzene	7.65		"	10.0	ND	76.5	61-138		5.84	30	
n-Propylbenzene	8.06		"	10.0	ND	80.6	66-134		4.84	30	
o-Xylene	8.71		"	10.0	ND	87.1	69-126		2.83	30	
p- & m- Xylenes	17.9		"	20.0	ND	89.3	67-130		2.98	30	
p-Isopropyltoluene	8.44		"	10.0	ND	84.4	64-137		5.53	30	
sec-Butylbenzene	7.96		"	10.0	ND	79.6	53-155		4.66	30	
Styrene	9.62		"	10.0	ND	96.2	69-125		2.77	30	
tert-Butylbenzene	8.72		"	10.0	ND	87.2	65-139		1.93	30	
Tetrachloroethylene	9.76		"	10.0	2.45	73.1	64-139		9.01	30	
Toluene	9.22		"	10.0	ND	92.2	76-123		2.78	30	
trans-1,2-Dichloroethylene	9.46		"	10.0	ND	94.6	79-131		3.84	30	
trans-1,3-Dichloropropylene	8.58		"	10.0	ND	85.8	55-130		1.39	30	
Trichloroethylene	9.37		"	10.0	ND	93.7	53-145		3.36	30	
Trichlorofluoromethane	9.60		"	10.0	ND	96.0	61-142		8.86	30	
Vinyl Chloride	8.29		"	10.0	ND	82.9	31-165		7.54	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.82</i>		<i>"</i>	<i>10.0</i>		<i>98.2</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.78</i>		<i>"</i>	<i>10.0</i>		<i>97.8</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI61179 - EPA 5030B

Blank (BI61179-BLK1)

Prepared: 09/23/2016 Analyzed: 09/24/2016

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	ND	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	ND	2.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI61179 - EPA 5030B

Blank (BI61179-BLK1)

Prepared: 09/23/2016 Analyzed: 09/24/2016

p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	10.1		"	10.0		101	69-130				
Surrogate: Toluene-d8	9.72		"	10.0		97.2	81-117				
Surrogate: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				

LCS (BI61179-BS1)

Prepared: 09/23/2016 Analyzed: 09/24/2016

1,1,1,2-Tetrachloroethane	9.88		ug/L	10.0		98.8	82-126				
1,1,1-Trichloroethane	11.2		"	10.0		112	78-136				
1,1,2,2-Tetrachloroethane	9.20		"	10.0		92.0	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	54-165				
1,1,2-Trichloroethane	9.92		"	10.0		99.2	82-123				
1,1-Dichloroethane	10.8		"	10.0		108	82-129				
1,1-Dichloroethylene	10.3		"	10.0		103	68-138				
1,1-Dichloropropylene	10.7		"	10.0		107	83-133				
1,2,3-Trichlorobenzene	9.34		"	10.0		93.4	76-136				
1,2,3-Trichloropropane	9.86		"	10.0		98.6	77-128				
1,2,4-Trichlorobenzene	9.72		"	10.0		97.2	76-137				
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132				
1,2-Dibromo-3-chloropropane	8.98		"	10.0		89.8	45-147				
1,2-Dibromoethane	9.91		"	10.0		99.1	83-124				
1,2-Dichlorobenzene	9.37		"	10.0		93.7	79-123				
1,2-Dichloroethane	10.8		"	10.0		108	73-132				
1,2-Dichloropropane	9.38		"	10.0		93.8	78-126				
1,3,5-Trimethylbenzene	10.2		"	10.0		102	80-131				
1,3-Dichlorobenzene	9.69		"	10.0		96.9	86-122				
1,3-Dichloropropane	9.70		"	10.0		97.0	81-125				
1,4-Dichlorobenzene	9.62		"	10.0		96.2	85-124				
2,2-Dichloropropane	8.84		"	10.0		88.4	56-150				
2-Chlorotoluene	9.42		"	10.0		94.2	79-130				
2-Hexanone	8.19		"	10.0		81.9	51-146				
4-Chlorotoluene	9.41		"	10.0		94.1	79-128				
Acetone	8.71		"	10.0		87.1	14-150				
Benzene	10.7		"	10.0		107	85-126				
Bromobenzene	9.43		"	10.0		94.3	78-129				
Bromochloromethane	10.2		"	10.0		102	77-128				
Bromodichloromethane	9.85		"	10.0		98.5	79-128				
Bromoform	10.0		"	10.0		100	78-133				
Bromomethane	9.54		"	10.0		95.4	43-168				
Carbon tetrachloride	11.4		"	10.0		114	77-141				
Chlorobenzene	9.49		"	10.0		94.9	88-120				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI61179 - EPA 5030B

LCS (BI61179-BS1)

Prepared: 09/23/2016 Analyzed: 09/24/2016

Chloroethane	10.1		ug/L	10.0		101	65-136				
Chloroform	11.0		"	10.0		110	82-128				
Chloromethane	6.30		"	10.0		63.0	43-155				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129				
cis-1,3-Dichloropropylene	9.32		"	10.0		93.2	80-131				
Dibromochloromethane	9.85		"	10.0		98.5	80-130				
Dibromomethane	10.6		"	10.0		106	72-134				
Dichlorodifluoromethane	10.7		"	10.0		107	44-144				
Ethyl Benzene	9.98		"	10.0		99.8	80-131				
Hexachlorobutadiene	9.58		"	10.0		95.8	67-146				
Isopropylbenzene	9.61		"	10.0		96.1	76-140				
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	76-135				
Methylene chloride	9.33		"	10.0		93.3	55-137				
Naphthalene	9.30		"	10.0		93.0	70-147				
n-Butylbenzene	9.78		"	10.0		97.8	79-132				
n-Propylbenzene	9.43		"	10.0		94.3	78-133				
o-Xylene	9.52		"	10.0		95.2	78-130				
p- & m- Xylenes	20.1		"	20.0		100	77-133				
p-Isopropyltoluene	10.1		"	10.0		101	81-136				
sec-Butylbenzene	9.26		"	10.0		92.6	79-137				
Styrene	10.6		"	10.0		106	67-132				
tert-Butylbenzene	9.67		"	10.0		96.7	77-138				
Tetrachloroethylene	12.6		"	10.0		126	82-131				
Toluene	9.94		"	10.0		99.4	80-127				
trans-1,2-Dichloroethylene	10.5		"	10.0		105	80-132				
trans-1,3-Dichloropropylene	9.02		"	10.0		90.2	78-131				
Trichloroethylene	10.2		"	10.0		102	82-128				
Trichlorofluoromethane	11.6		"	10.0		116	67-139				
Vinyl Chloride	9.78		"	10.0		97.8	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.78</i>		<i>"</i>	<i>10.0</i>		<i>97.8</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.80</i>		<i>"</i>	<i>10.0</i>		<i>98.0</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI61179 - EPA 5030B											
LCS Dup (BI61179-BSD1)						Prepared: 09/23/2016 Analyzed: 09/24/2016					
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126		2.20	30	
1,1,1-Trichloroethane	11.1		"	10.0		111	78-136		0.990	30	
1,1,2,2-Tetrachloroethane	9.17		"	10.0		91.7	76-129		0.327	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	54-165		2.13	30	
1,1,2-Trichloroethane	9.96		"	10.0		99.6	82-123		0.402	30	
1,1-Dichloroethane	10.7		"	10.0		107	82-129		0.934	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		1.15	30	
1,1-Dichloropropylene	10.4		"	10.0		104	83-133		2.27	30	
1,2,3-Trichlorobenzene	9.57		"	10.0		95.7	76-136		2.43	30	
1,2,3-Trichloropropane	9.70		"	10.0		97.0	77-128		1.64	30	
1,2,4-Trichlorobenzene	9.74		"	10.0		97.4	76-137		0.206	30	
1,2,4-Trimethylbenzene	10.0		"	10.0		100	82-132		1.09	30	
1,2-Dibromo-3-chloropropane	9.22		"	10.0		92.2	45-147		2.64	30	
1,2-Dibromoethane	10.1		"	10.0		101	83-124		1.60	30	
1,2-Dichlorobenzene	9.29		"	10.0		92.9	79-123		0.857	30	
1,2-Dichloroethane	10.8		"	10.0		108	73-132		0.0923	30	
1,2-Dichloropropane	9.50		"	10.0		95.0	78-126		1.27	30	
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131		1.68	30	
1,3-Dichlorobenzene	9.59		"	10.0		95.9	86-122		1.04	30	
1,3-Dichloropropane	9.73		"	10.0		97.3	81-125		0.309	30	
1,4-Dichlorobenzene	9.49		"	10.0		94.9	85-124		1.36	30	
2,2-Dichloropropane	8.68		"	10.0		86.8	56-150		1.83	30	
2-Chlorotoluene	9.26		"	10.0		92.6	79-130		1.71	30	
2-Hexanone	8.61		"	10.0		86.1	51-146		5.00	30	
4-Chlorotoluene	9.34		"	10.0		93.4	79-128		0.747	30	
Acetone	7.96		"	10.0		79.6	14-150		9.00	30	
Benzene	10.8		"	10.0		108	85-126		0.558	30	
Bromobenzene	9.55		"	10.0		95.5	78-129		1.26	30	
Bromochloromethane	10.0		"	10.0		100	77-128		1.49	30	
Bromodichloromethane	10.0		"	10.0		100	79-128		1.61	30	
Bromoform	10.1		"	10.0		101	78-133		0.893	30	
Bromomethane	10.4		"	10.0		104	43-168		8.72	30	
Carbon tetrachloride	11.2		"	10.0		112	77-141		1.76	30	
Chlorobenzene	9.56		"	10.0		95.6	88-120		0.735	30	
Chloroethane	10.2		"	10.0		102	65-136		0.889	30	
Chloroform	11.0		"	10.0		110	82-128		0.0909	30	
Chloromethane	6.22		"	10.0		62.2	43-155		1.28	30	
cis-1,2-Dichloroethylene	10.1		"	10.0		101	83-129		0.692	30	
cis-1,3-Dichloropropylene	9.37		"	10.0		93.7	80-131		0.535	30	
Dibromochloromethane	9.96		"	10.0		99.6	80-130		1.11	30	
Dibromomethane	10.5		"	10.0		105	72-134		0.663	30	
Dichlorodifluoromethane	10.4		"	10.0		104	44-144		3.61	30	
Ethyl Benzene	10.0		"	10.0		100	80-131		0.699	30	
Hexachlorobutadiene	9.55		"	10.0		95.5	67-146		0.314	30	
Isopropylbenzene	9.51		"	10.0		95.1	76-140		1.05	30	
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	76-135		0.583	30	
Methylene chloride	9.39		"	10.0		93.9	55-137		0.641	30	
Naphthalene	9.35		"	10.0		93.5	70-147		0.536	30	
n-Butylbenzene	9.56		"	10.0		95.6	79-132		2.28	30	
n-Propylbenzene	9.29		"	10.0		92.9	78-133		1.50	30	
o-Xylene	9.55		"	10.0		95.5	78-130		0.315	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BI61179 - EPA 5030B

LCS Dup (BI61179-BSD1)

Prepared: 09/23/2016 Analyzed: 09/24/2016

p- & m- Xylenes	20.1		ug/L	20.0		100	77-133		0.0498	30	
p-Isopropyltoluene	10.1		"	10.0		101	81-136		0.494	30	
sec-Butylbenzene	9.13		"	10.0		91.3	79-137		1.41	30	
Styrene	10.8		"	10.0		108	67-132		1.69	30	
tert-Butylbenzene	9.46		"	10.0		94.6	77-138		2.20	30	
Tetrachloroethylene	11.3		"	10.0		113	82-131		10.8	30	
Toluene	9.97		"	10.0		99.7	80-127		0.301	30	
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132		1.05	30	
trans-1,3-Dichloropropylene	9.14		"	10.0		91.4	78-131		1.32	30	
Trichloroethylene	10.2		"	10.0		102	82-128		0.0978	30	
Trichlorofluoromethane	11.5		"	10.0		115	67-139		0.777	30	
Vinyl Chloride	9.67		"	10.0		96.7	58-145		1.13	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.78</i>		<i>"</i>	<i>10.0</i>		<i>97.8</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.76</i>		<i>"</i>	<i>10.0</i>		<i>97.6</i>	<i>79-122</i>				

Matrix Spike (BI61179-MS1)

*Source sample: 1610590-18 (MW-58A)

Prepared: 09/23/2016 Analyzed: 09/24/2016

1,1,1,2-Tetrachloroethane	9.89		ug/L	10.0	ND	98.9	45-161				
1,1,1-Trichloroethane	11.4		"	10.0	ND	114	70-146				
1,1,2,2-Tetrachloroethane	9.35		"	10.0	ND	93.5	74-121				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.96		"	10.0	ND	89.6	21-217				
1,1,2-Trichloroethane	9.80		"	10.0	ND	98.0	59-146				
1,1-Dichloroethane	10.8		"	10.0	ND	108	54-146				
1,1-Dichloroethylene	10.2		"	10.0	ND	102	44-165				
1,1-Dichloropropylene	9.95		"	10.0	ND	99.5	82-134				
1,2,3-Trichlorobenzene	8.11		"	10.0	ND	81.1	40-161				
1,2,3-Trichloropropane	9.79		"	10.0	ND	97.9	74-127				
1,2,4-Trichlorobenzene	7.68		"	10.0	ND	76.8	41-161				
1,2,4-Trimethylbenzene	8.90		"	10.0	ND	89.0	72-129				
1,2-Dibromo-3-chloropropane	8.57		"	10.0	ND	85.7	31-151				
1,2-Dibromoethane	9.83		"	10.0	ND	98.3	75-125				
1,2-Dichlorobenzene	8.53		"	10.0	ND	85.3	63-122				
1,2-Dichloroethane	10.6		"	10.0	ND	106	68-131				
1,2-Dichloropropane	9.38		"	10.0	ND	93.8	77-121				
1,3,5-Trimethylbenzene	8.99		"	10.0	ND	89.9	69-126				
1,3-Dichlorobenzene	8.31		"	10.0	ND	83.1	74-119				
1,3-Dichloropropane	9.50		"	10.0	ND	95.0	77-119				
1,4-Dichlorobenzene	8.32		"	10.0	ND	83.2	70-124				
2,2-Dichloropropane	8.97		"	10.0	ND	89.7	10-160				
2-Chlorotoluene	8.40		"	10.0	ND	84.0	70-126				
2-Hexanone	8.56		"	10.0	ND	85.6	53-133				
4-Chlorotoluene	8.07		"	10.0	ND	80.7	69-124				
Acetone	7.07		"	10.0	0.380	66.9	13-149				
Benzene	10.8		"	10.0	ND	108	38-155				
Bromobenzene	8.98		"	10.0	ND	89.8	72-122				
Bromochloromethane	9.88		"	10.0	ND	98.8	75-121				
Bromodichloromethane	9.82		"	10.0	ND	98.2	70-129				
Bromoform	9.84		"	10.0	ND	98.4	66-136				
Bromomethane	5.68		"	10.0	ND	56.8	30-158				
Carbon tetrachloride	11.4		"	10.0	ND	114	71-146				
Chlorobenzene	9.10		"	10.0	ND	91.0	81-117				
Chloroethane	9.77		"	10.0	ND	97.7	51-145				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI61179 - EPA 5030B

Matrix Spike (BI61179-MS1)	*Source sample: 16I0590-18 (MW-58A)						Prepared: 09/23/2016 Analyzed: 09/24/2016				
Chloroform	11.0		ug/L	10.0	ND	110	80-124	Low Bias			
Chloromethane	0.740		"	10.0	ND	7.40	16-163				
cis-1,2-Dichloroethylene	10.1		"	10.0	ND	101	76-125				
cis-1,3-Dichloropropylene	9.11		"	10.0	ND	91.1	58-131				
Dibromochloromethane	9.83		"	10.0	ND	98.3	71-129				
Dibromomethane	10.5		"	10.0	ND	105	76-120				
Dichlorodifluoromethane	7.66		"	10.0	ND	76.6	30-147				
Ethyl Benzene	9.45		"	10.0	ND	94.5	72-128				
Hexachlorobutadiene	7.41		"	10.0	ND	74.1	34-166				
Isopropylbenzene	8.81		"	10.0	ND	88.1	66-139				
Methyl tert-butyl ether (MTBE)	10.3		"	10.0	ND	103	75-128				
Methylene chloride	9.17		"	10.0	ND	91.7	57-128				
Naphthalene	8.64		"	10.0	ND	86.4	39-158				
n-Butylbenzene	7.11		"	10.0	ND	71.1	61-138				
n-Propylbenzene	8.02		"	10.0	ND	80.2	66-134				
o-Xylene	9.15		"	10.0	ND	91.5	69-126				
p- & m- Xylenes	18.4		"	20.0	ND	92.1	67-130				
p-Isopropyltoluene	8.40		"	10.0	ND	84.0	64-137				
sec-Butylbenzene	8.03		"	10.0	ND	80.3	53-155				
Styrene	10.0		"	10.0	ND	100	69-125				
tert-Butylbenzene	8.96		"	10.0	ND	89.6	65-139				
Tetrachloroethylene	7.59		"	10.0	ND	75.9	64-139				
Toluene	9.64		"	10.0	ND	96.4	76-123				
trans-1,2-Dichloroethylene	10.0		"	10.0	ND	100	79-131				
trans-1,3-Dichloropropylene	8.86		"	10.0	ND	88.6	55-130				
Trichloroethylene	9.68		"	10.0	ND	96.8	53-145				
Trichlorofluoromethane	10.7		"	10.0	ND	107	61-142				
Vinyl Chloride	9.07		"	10.0	ND	90.7	31-165				
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: Toluene-d8	9.73		"	10.0		97.3	81-117				
Surrogate: p-Bromofluorobenzene	9.62		"	10.0		96.2	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI61179 - EPA 5030B											
Matrix Spike Dup (BI61179-MSD1)	*Source sample: 16I0590-18 (MW-58A)						Prepared: 09/23/2016 Analyzed: 09/24/2016				
1,1,1,2-Tetrachloroethane	9.54		ug/L	10.0	ND	95.4	45-161		3.60	30	
1,1,1-Trichloroethane	11.2		"	10.0	ND	112	70-146		1.59	30	
1,1,2,2-Tetrachloroethane	9.06		"	10.0	ND	90.6	74-121		3.15	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.34		"	10.0	ND	93.4	21-217		4.15	30	
1,1,2-Trichloroethane	9.55		"	10.0	ND	95.5	59-146		2.58	30	
1,1-Dichloroethane	10.6		"	10.0	ND	106	54-146		1.50	30	
1,1-Dichloroethylene	10.1		"	10.0	ND	101	44-165		0.891	30	
1,1-Dichloropropylene	10.2		"	10.0	ND	102	82-134		2.68	30	
1,2,3-Trichlorobenzene	8.61		"	10.0	ND	86.1	40-161		5.98	30	
1,2,3-Trichloropropane	9.12		"	10.0	ND	91.2	74-127		7.09	30	
1,2,4-Trichlorobenzene	8.61		"	10.0	ND	86.1	41-161		11.4	30	
1,2,4-Trimethylbenzene	9.44		"	10.0	ND	94.4	72-129		5.89	30	
1,2-Dibromo-3-chloropropane	8.52		"	10.0	ND	85.2	31-151		0.585	30	
1,2-Dibromoethane	9.50		"	10.0	ND	95.0	75-125		3.41	30	
1,2-Dichlorobenzene	8.80		"	10.0	ND	88.0	63-122		3.12	30	
1,2-Dichloroethane	10.4		"	10.0	ND	104	68-131		2.10	30	
1,2-Dichloropropane	9.08		"	10.0	ND	90.8	77-121		3.25	30	
1,3,5-Trimethylbenzene	9.66		"	10.0	ND	96.6	69-126		7.18	30	
1,3-Dichlorobenzene	8.84		"	10.0	ND	88.4	74-119		6.18	30	
1,3-Dichloropropane	9.21		"	10.0	ND	92.1	77-119		3.10	30	
1,4-Dichlorobenzene	8.79		"	10.0	ND	87.9	70-124		5.49	30	
2,2-Dichloropropane	8.78		"	10.0	ND	87.8	10-160		2.14	30	
2-Chlorotoluene	8.83		"	10.0	ND	88.3	70-126		4.99	30	
2-Hexanone	8.04		"	10.0	ND	80.4	53-133		6.27	30	
4-Chlorotoluene	8.69		"	10.0	ND	86.9	69-124		7.40	30	
Acetone	7.19		"	10.0	0.380	68.1	13-149		1.78	30	
Benzene	10.5		"	10.0	ND	105	38-155		2.07	30	
Bromobenzene	8.90		"	10.0	ND	89.0	72-122		0.895	30	
Bromochloromethane	9.57		"	10.0	ND	95.7	75-121		3.19	30	
Bromodichloromethane	9.55		"	10.0	ND	95.5	70-129		2.79	30	
Bromoform	9.51		"	10.0	ND	95.1	66-136		3.41	30	
Bromomethane	6.12		"	10.0	ND	61.2	30-158		7.46	30	
Carbon tetrachloride	11.5		"	10.0	ND	115	71-146		0.612	30	
Chlorobenzene	9.20		"	10.0	ND	92.0	81-117		1.09	30	
Chloroethane	9.93		"	10.0	ND	99.3	51-145		1.62	30	
Chloroform	10.9		"	10.0	ND	109	80-124		1.09	30	
Chloromethane	4.31		"	10.0	ND	43.1	16-163		141	30	Non-dir.
cis-1,2-Dichloroethylene	9.81		"	10.0	ND	98.1	76-125		2.91	30	
cis-1,3-Dichloropropylene	8.90		"	10.0	ND	89.0	58-131		2.33	30	
Dibromochloromethane	9.43		"	10.0	ND	94.3	71-129		4.15	30	
Dibromomethane	10.2		"	10.0	ND	102	76-120		3.19	30	
Dichlorodifluoromethane	8.21		"	10.0	ND	82.1	30-147		6.93	30	
Ethyl Benzene	9.70		"	10.0	ND	97.0	72-128		2.61	30	
Hexachlorobutadiene	8.59		"	10.0	ND	85.9	34-166		14.8	30	
Isopropylbenzene	9.22		"	10.0	ND	92.2	66-139		4.55	30	
Methyl tert-butyl ether (MTBE)	9.78		"	10.0	ND	97.8	75-128		4.89	30	
Methylene chloride	8.86		"	10.0	ND	88.6	57-128		3.44	30	
Naphthalene	8.65		"	10.0	ND	86.5	39-158		0.116	30	
n-Butylbenzene	8.71		"	10.0	ND	87.1	61-138		20.2	30	
n-Propylbenzene	8.83		"	10.0	ND	88.3	66-134		9.61	30	
o-Xylene	9.20		"	10.0	ND	92.0	69-126		0.545	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI61179 - EPA 5030B

Matrix Spike Dup (BI61179-MSD1)		*Source sample: 16I0590-18 (MW-58A)				Prepared: 09/23/2016 Analyzed: 09/24/2016					
p- & m- Xylenes	19.2		ug/L	20.0	ND	96.1	67-130		4.25	30	
p-Isopropyltoluene	9.48		"	10.0	ND	94.8	64-137		12.1	30	
sec-Butylbenzene	8.81		"	10.0	ND	88.1	53-155		9.26	30	
Styrene	9.94		"	10.0	ND	99.4	69-125		0.901	30	
tert-Butylbenzene	9.32		"	10.0	ND	93.2	65-139		3.94	30	
Tetrachloroethylene	8.39		"	10.0	ND	83.9	64-139		10.0	30	
Toluene	9.64		"	10.0	ND	96.4	76-123		0.00	30	
trans-1,2-Dichloroethylene	10.2		"	10.0	ND	102	79-131		1.68	30	
trans-1,3-Dichloropropylene	8.55		"	10.0	ND	85.5	55-130		3.56	30	
Trichloroethylene	9.94		"	10.0	ND	99.4	53-145		2.65	30	
Trichlorofluoromethane	11.2		"	10.0	ND	112	61-142		4.12	30	
Vinyl Chloride	9.25		"	10.0	ND	92.5	31-165		1.97	30	
Surrogate: 1,2-Dichloroethane-d4	10.4		"	10.0		104	69-130				
Surrogate: Toluene-d8	9.74		"	10.0		97.4	81-117				
Surrogate: p-Bromofluorobenzene	9.73		"	10.0		97.3	79-122				

Batch BI61211 - EPA 5030B

Blank (BI61211-BLK1)		Prepared & Analyzed: 09/26/2016									
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	2.0	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI61211 - EPA 5030B

Blank (BI61211-BLK1)

Prepared & Analyzed: 09/26/2016

Chlorobenzene	ND	0.50	ug/L								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	9.52		"	10.0		95.2	69-130				
Surrogate: Toluene-d8	10.3		"	10.0		103	81-117				
Surrogate: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI61211 - EPA 5030B											
LCS (BI61211-BS1)						Prepared & Analyzed: 09/26/2016					
1,1,1,2-Tetrachloroethane	9.11		ug/L	10.0		91.1	82-126				
1,1,1-Trichloroethane	9.56		"	10.0		95.6	78-136				
1,1,2,2-Tetrachloroethane	9.88		"	10.0		98.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.38		"	10.0		93.8	54-165				
1,1,2-Trichloroethane	9.21		"	10.0		92.1	82-123				
1,1-Dichloroethane	9.82		"	10.0		98.2	82-129				
1,1-Dichloroethylene	9.53		"	10.0		95.3	68-138				
1,1-Dichloropropylene	9.62		"	10.0		96.2	83-133				
1,2,3-Trichlorobenzene	9.29		"	10.0		92.9	76-136				
1,2,3-Trichloropropane	9.70		"	10.0		97.0	77-128				
1,2,4-Trichlorobenzene	9.63		"	10.0		96.3	76-137				
1,2,4-Trimethylbenzene	10.0		"	10.0		100	82-132				
1,2-Dibromo-3-chloropropane	9.94		"	10.0		99.4	45-147				
1,2-Dibromoethane	9.27		"	10.0		92.7	83-124				
1,2-Dichlorobenzene	8.82		"	10.0		88.2	79-123				
1,2-Dichloroethane	9.01		"	10.0		90.1	73-132				
1,2-Dichloropropane	9.48		"	10.0		94.8	78-126				
1,3,5-Trimethylbenzene	9.90		"	10.0		99.0	80-131				
1,3-Dichlorobenzene	9.17		"	10.0		91.7	86-122				
1,3-Dichloropropane	9.30		"	10.0		93.0	81-125				
1,4-Dichlorobenzene	8.88		"	10.0		88.8	85-124				
2,2-Dichloropropane	9.51		"	10.0		95.1	56-150				
2-Chlorotoluene	9.41		"	10.0		94.1	79-130				
2-Hexanone	2.33		"	10.0		23.3	51-146	Low Bias			
4-Chlorotoluene	9.44		"	10.0		94.4	79-128				
Acetone	7.96		"	10.0		79.6	14-150				
Benzene	9.89		"	10.0		98.9	85-126				
Bromobenzene	9.88		"	10.0		98.8	78-129				
Bromochloromethane	10.3		"	10.0		103	77-128				
Bromodichloromethane	9.17		"	10.0		91.7	79-128				
Bromoform	9.14		"	10.0		91.4	78-133				
Bromomethane	2.73		"	10.0		27.3	43-168	Low Bias			
Carbon tetrachloride	9.40		"	10.0		94.0	77-141				
Chlorobenzene	8.88		"	10.0		88.8	88-120				
Chloroethane	8.94		"	10.0		89.4	65-136				
Chloroform	9.55		"	10.0		95.5	82-128				
Chloromethane	7.39		"	10.0		73.9	43-155				
cis-1,2-Dichloroethylene	9.56		"	10.0		95.6	83-129				
cis-1,3-Dichloropropylene	9.43		"	10.0		94.3	80-131				
Dibromochloromethane	9.23		"	10.0		92.3	80-130				
Dibromomethane	9.01		"	10.0		90.1	72-134				
Dichlorodifluoromethane	7.83		"	10.0		78.3	44-144				
Ethyl Benzene	9.78		"	10.0		97.8	80-131				
Hexachlorobutadiene	9.42		"	10.0		94.2	67-146				
Isopropylbenzene	9.63		"	10.0		96.3	76-140				
Methyl tert-butyl ether (MTBE)	9.50		"	10.0		95.0	76-135				
Methylene chloride	8.74		"	10.0		87.4	55-137				
Naphthalene	9.34		"	10.0		93.4	70-147				
n-Butylbenzene	10.0		"	10.0		100	79-132				
n-Propylbenzene	9.80		"	10.0		98.0	78-133				
o-Xylene	9.21		"	10.0		92.1	78-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag

Batch BI61211 - EPA 5030B

LCS (BI61211-BS1)

Prepared & Analyzed: 09/26/2016

p- & m- Xylenes	19.4		ug/L	20.0		97.0	77-133				
p-Isopropyltoluene	9.93		"	10.0		99.3	81-136				
sec-Butylbenzene	9.32		"	10.0		93.2	79-137				
Styrene	9.99		"	10.0		99.9	67-132				
tert-Butylbenzene	9.44		"	10.0		94.4	77-138				
Tetrachloroethylene	8.84		"	10.0		88.4	82-131				
Toluene	9.43		"	10.0		94.3	80-127				
trans-1,2-Dichloroethylene	9.57		"	10.0		95.7	80-132				
trans-1,3-Dichloropropylene	9.24		"	10.0		92.4	78-131				
Trichloroethylene	8.95		"	10.0		89.5	82-128				
Trichlorofluoromethane	9.04		"	10.0		90.4	67-139				
Vinyl Chloride	8.45		"	10.0		84.5	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.41</i>		<i>"</i>	<i>10.0</i>		<i>94.1</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.78</i>		<i>"</i>	<i>10.0</i>		<i>97.8</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>79-122</i>				

LCS Dup (BI61211-BS1)

Prepared & Analyzed: 09/26/2016

1,1,1,2-Tetrachloroethane	9.56		ug/L	10.0		95.6	82-126		4.82	30	
1,1,1-Trichloroethane	9.53		"	10.0		95.3	78-136		0.314	30	
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	76-129		2.60	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.55		"	10.0		95.5	54-165		1.80	30	
1,1,2-Trichloroethane	9.51		"	10.0		95.1	82-123		3.21	30	
1,1-Dichloroethane	10.2		"	10.0		102	82-129		3.30	30	
1,1-Dichloroethylene	9.61		"	10.0		96.1	68-138		0.836	30	
1,1-Dichloropropylene	9.74		"	10.0		97.4	83-133		1.24	30	
1,2,3-Trichlorobenzene	9.64		"	10.0		96.4	76-136		3.70	30	
1,2,3-Trichloropropane	10.1		"	10.0		101	77-128		4.34	30	
1,2,4-Trichlorobenzene	10.1		"	10.0		101	76-137		4.37	30	
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132		3.24	30	
1,2-Dibromo-3-chloropropane	9.02		"	10.0		90.2	45-147		9.70	30	
1,2-Dibromoethane	9.47		"	10.0		94.7	83-124		2.13	30	
1,2-Dichlorobenzene	9.11		"	10.0		91.1	79-123		3.23	30	
1,2-Dichloroethane	9.02		"	10.0		90.2	73-132		0.111	30	
1,2-Dichloropropane	9.85		"	10.0		98.5	78-126		3.83	30	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	80-131		2.49	30	
1,3-Dichlorobenzene	9.51		"	10.0		95.1	86-122		3.64	30	
1,3-Dichloropropane	9.55		"	10.0		95.5	81-125		2.65	30	
1,4-Dichlorobenzene	9.06		"	10.0		90.6	85-124		2.01	30	
2,2-Dichloropropane	9.43		"	10.0		94.3	56-150		0.845	30	
2-Chlorotoluene	9.83		"	10.0		98.3	79-130		4.37	30	
2-Hexanone	2.44		"	10.0		24.4	51-146	Low Bias	4.61	30	
4-Chlorotoluene	9.80		"	10.0		98.0	79-128		3.74	30	
Acetone	7.91		"	10.0		79.1	14-150		0.630	30	
Benzene	9.87		"	10.0		98.7	85-126		0.202	30	
Bromobenzene	10.1		"	10.0		101	78-129		2.00	30	
Bromochloromethane	10.3		"	10.0		103	77-128		0.389	30	
Bromodichloromethane	9.41		"	10.0		94.1	79-128		2.58	30	
Bromoform	9.20		"	10.0		92.0	78-133		0.654	30	
Bromomethane	3.57		"	10.0		35.7	43-168	Low Bias	26.7	30	
Carbon tetrachloride	9.53		"	10.0		95.3	77-141		1.37	30	
Chlorobenzene	9.17		"	10.0		91.7	88-120		3.21	30	
Chloroethane	8.93		"	10.0		89.3	65-136		0.112	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI61211 - EPA 5030B

LCS Dup (BI61211-BSD1)

Prepared & Analyzed: 09/26/2016

Chloroform	9.67		ug/L	10.0		96.7	82-128		1.25	30	
Chloromethane	7.60		"	10.0		76.0	43-155		2.80	30	
cis-1,2-Dichloroethylene	9.61		"	10.0		96.1	83-129		0.522	30	
cis-1,3-Dichloropropylene	9.49		"	10.0		94.9	80-131		0.634	30	
Dibromochloromethane	9.28		"	10.0		92.8	80-130		0.540	30	
Dibromomethane	9.29		"	10.0		92.9	72-134		3.06	30	
Dichlorodifluoromethane	8.03		"	10.0		80.3	44-144		2.52	30	
Ethyl Benzene	9.94		"	10.0		99.4	80-131		1.62	30	
Hexachlorobutadiene	9.52		"	10.0		95.2	67-146		1.06	30	
Isopropylbenzene	9.95		"	10.0		99.5	76-140		3.27	30	
Methyl tert-butyl ether (MTBE)	9.80		"	10.0		98.0	76-135		3.11	30	
Methylene chloride	8.78		"	10.0		87.8	55-137		0.457	30	
Naphthalene	9.61		"	10.0		96.1	70-147		2.85	30	
n-Butylbenzene	10.2		"	10.0		102	79-132		1.58	30	
n-Propylbenzene	10.1		"	10.0		101	78-133		2.72	30	
o-Xylene	9.28		"	10.0		92.8	78-130		0.757	30	
p- & m- Xylenes	19.9		"	20.0		99.3	77-133		2.39	30	
p-Isopropyltoluene	10.2		"	10.0		102	81-136		2.29	30	
sec-Butylbenzene	9.65		"	10.0		96.5	79-137		3.48	30	
Styrene	10.3		"	10.0		103	67-132		3.44	30	
tert-Butylbenzene	9.81		"	10.0		98.1	77-138		3.84	30	
Tetrachloroethylene	8.80		"	10.0		88.0	82-131		0.454	30	
Toluene	9.43		"	10.0		94.3	80-127		0.00	30	
trans-1,2-Dichloroethylene	9.68		"	10.0		96.8	80-132		1.14	30	
trans-1,3-Dichloropropylene	9.52		"	10.0		95.2	78-131		2.99	30	
Trichloroethylene	9.28		"	10.0		92.8	82-128		3.62	30	
Trichlorofluoromethane	9.42		"	10.0		94.2	67-139		4.12	30	
Vinyl Chloride	8.78		"	10.0		87.8	58-145		3.83	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.17</i>		<i>"</i>	<i>10.0</i>		<i>91.7</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.91</i>		<i>"</i>	<i>10.0</i>		<i>99.1</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI61212 - EPA 5030B											
Blank (BI61212-BLK1)										Prepared & Analyzed: 09/26/2016	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	1.1	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI61212 - EPA 5030B											
Blank (BI61212-BLK1)						Prepared & Analyzed: 09/26/2016					
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.9</i>		<i>"</i>	<i>10.0</i>		<i>109</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.99</i>		<i>"</i>	<i>10.0</i>		<i>99.9</i>	<i>79-122</i>				
LCS (BI61212-BS1)						Prepared & Analyzed: 09/26/2016					
1,1,1,2-Tetrachloroethane	9.04		ug/L	10.0		90.4	82-126				
1,1,1-Trichloroethane	9.74		"	10.0		97.4	78-136				
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.40		"	10.0		94.0	54-165				
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123				
1,1-Dichloroethane	9.67		"	10.0		96.7	82-129				
1,1-Dichloroethylene	9.62		"	10.0		96.2	68-138				
1,1-Dichloropropylene	9.32		"	10.0		93.2	83-133				
1,2,3-Trichlorobenzene	14.6		"	10.0		146	76-136	High Bias			
1,2,3-Trichloropropane	10.4		"	10.0		104	77-128				
1,2,4-Trichlorobenzene	12.1		"	10.0		121	76-137				
1,2,4-Trimethylbenzene	8.51		"	10.0		85.1	82-132				
1,2-Dibromo-3-chloropropane	10.8		"	10.0		108	45-147				
1,2-Dibromoethane	10.6		"	10.0		106	83-124				
1,2-Dichlorobenzene	8.82		"	10.0		88.2	79-123				
1,2-Dichloroethane	9.99		"	10.0		99.9	73-132				
1,2-Dichloropropane	9.32		"	10.0		93.2	78-126				
1,3,5-Trimethylbenzene	8.42		"	10.0		84.2	80-131				
1,3-Dichlorobenzene	8.06		"	10.0		80.6	86-122	Low Bias			
1,3-Dichloropropane	10.2		"	10.0		102	81-125				
1,4-Dichlorobenzene	8.41		"	10.0		84.1	85-124	Low Bias			
2,2-Dichloropropane	8.93		"	10.0		89.3	56-150				
2-Chlorotoluene	8.12		"	10.0		81.2	79-130				
2-Hexanone	11.2		"	10.0		112	51-146				
4-Chlorotoluene	8.20		"	10.0		82.0	79-128				
Acetone	8.88		"	10.0		88.8	14-150				
Benzene	9.33		"	10.0		93.3	85-126				
Bromobenzene	8.82		"	10.0		88.2	78-129				
Bromochloromethane	10.6		"	10.0		106	77-128				
Bromodichloromethane	9.85		"	10.0		98.5	79-128				
Bromoform	11.9		"	10.0		119	78-133				
Bromomethane	4.50		"	10.0		45.0	43-168				
Carbon tetrachloride	10.3		"	10.0		103	77-141				
Chlorobenzene	8.76		"	10.0		87.6	88-120	Low Bias			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI61212 - EPA 5030B

LCS (BI61212-BS1)

Prepared & Analyzed: 09/26/2016

Chloroethane	9.39		ug/L	10.0		93.9	65-136				
Chloroform	9.65		"	10.0		96.5	82-128				
Chloromethane	2.98		"	10.0		29.8	43-155	Low Bias			
cis-1,2-Dichloroethylene	9.24		"	10.0		92.4	83-129				
cis-1,3-Dichloropropylene	9.44		"	10.0		94.4	80-131				
Dibromochloromethane	10.3		"	10.0		103	80-130				
Dibromomethane	10.5		"	10.0		105	72-134				
Dichlorodifluoromethane	8.54		"	10.0		85.4	44-144				
Ethyl Benzene	9.12		"	10.0		91.2	80-131				
Hexachlorobutadiene	10.0		"	10.0		100	67-146				
Isopropylbenzene	8.28		"	10.0		82.8	76-140				
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107	76-135				
Methylene chloride	9.57		"	10.0		95.7	55-137				
Naphthalene	13.6		"	10.0		136	70-147				
n-Butylbenzene	8.51		"	10.0		85.1	79-132				
n-Propylbenzene	8.20		"	10.0		82.0	78-133				
o-Xylene	8.60		"	10.0		86.0	78-130				
p- & m- Xylenes	17.7		"	20.0		88.6	77-133				
p-Isopropyltoluene	8.50		"	10.0		85.0	81-136				
sec-Butylbenzene	8.04		"	10.0		80.4	79-137				
Styrene	9.57		"	10.0		95.7	67-132				
tert-Butylbenzene	8.18		"	10.0		81.8	77-138				
Tetrachloroethylene	9.00		"	10.0		90.0	82-131				
Toluene	8.92		"	10.0		89.2	80-127				
trans-1,2-Dichloroethylene	9.34		"	10.0		93.4	80-132				
trans-1,3-Dichloropropylene	9.59		"	10.0		95.9	78-131				
Trichloroethylene	8.98		"	10.0		89.8	82-128				
Trichlorofluoromethane	11.6		"	10.0		116	67-139				
Vinyl Chloride	6.86		"	10.0		68.6	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>11.1</i>		<i>"</i>	<i>10.0</i>		<i>111</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.36</i>		<i>"</i>	<i>10.0</i>		<i>93.6</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI61212 - EPA 5030B											
LCS Dup (BI61212-BS01)						Prepared & Analyzed: 09/26/2016					
1,1,1,2-Tetrachloroethane	9.24		ug/L	10.0		92.4	82-126		2.19	30	
1,1,1-Trichloroethane	9.82		"	10.0		98.2	78-136		0.818	30	
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-129		1.77	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.41		"	10.0		94.1	54-165		0.106	30	
1,1,2-Trichloroethane	10.6		"	10.0		106	82-123		3.86	30	
1,1-Dichloroethane	10.0		"	10.0		100	82-129		3.65	30	
1,1-Dichloroethylene	9.65		"	10.0		96.5	68-138		0.311	30	
1,1-Dichloropropylene	9.41		"	10.0		94.1	83-133		0.961	30	
1,2,3-Trichlorobenzene	16.8		"	10.0		168	76-136	High Bias	14.1	30	
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128		0.580	30	
1,2,4-Trichlorobenzene	13.1		"	10.0		131	76-137		8.32	30	
1,2,4-Trimethylbenzene	8.59		"	10.0		85.9	82-132		0.936	30	
1,2-Dibromo-3-chloropropane	11.3		"	10.0		113	45-147		4.35	30	
1,2-Dibromoethane	11.0		"	10.0		110	83-124		3.70	30	
1,2-Dichlorobenzene	8.84		"	10.0		88.4	79-123		0.227	30	
1,2-Dichloroethane	10.4		"	10.0		104	73-132		3.93	30	
1,2-Dichloropropane	9.44		"	10.0		94.4	78-126		1.28	30	
1,3,5-Trimethylbenzene	8.41		"	10.0		84.1	80-131		0.119	30	
1,3-Dichlorobenzene	8.18		"	10.0		81.8	86-122	Low Bias	1.48	30	
1,3-Dichloropropane	10.5		"	10.0		105	81-125		2.79	30	
1,4-Dichlorobenzene	8.40		"	10.0		84.0	85-124	Low Bias	0.119	30	
2,2-Dichloropropane	8.81		"	10.0		88.1	56-150		1.35	30	
2-Chlorotoluene	8.04		"	10.0		80.4	79-130		0.990	30	
2-Hexanone	12.0		"	10.0		120	51-146		6.37	30	
4-Chlorotoluene	8.08		"	10.0		80.8	79-128		1.47	30	
Acetone	9.85		"	10.0		98.5	14-150		10.4	30	
Benzene	9.50		"	10.0		95.0	85-126		1.81	30	
Bromobenzene	9.05		"	10.0		90.5	78-129		2.57	30	
Bromochloromethane	10.8		"	10.0		108	77-128		2.52	30	
Bromodichloromethane	10.2		"	10.0		102	79-128		3.49	30	
Bromoform	12.3		"	10.0		123	78-133		3.31	30	
Bromomethane	10.4		"	10.0		104	43-168		79.4	30	Non-dir.
Carbon tetrachloride	10.4		"	10.0		104	77-141		0.775	30	
Chlorobenzene	8.87		"	10.0		88.7	88-120		1.25	30	
Chloroethane	9.27		"	10.0		92.7	65-136		1.29	30	
Chloroform	9.91		"	10.0		99.1	82-128		2.66	30	
Chloromethane	3.86		"	10.0		38.6	43-155	Low Bias	25.7	30	
cis-1,2-Dichloroethylene	9.52		"	10.0		95.2	83-129		2.99	30	
cis-1,3-Dichloropropylene	9.76		"	10.0		97.6	80-131		3.33	30	
Dibromochloromethane	10.7		"	10.0		107	80-130		3.82	30	
Dibromomethane	10.8		"	10.0		108	72-134		2.45	30	
Dichlorodifluoromethane	8.44		"	10.0		84.4	44-144		1.18	30	
Ethyl Benzene	9.17		"	10.0		91.7	80-131		0.547	30	
Hexachlorobutadiene	10.7		"	10.0		107	67-146		5.98	30	
Isopropylbenzene	8.20		"	10.0		82.0	76-140		0.971	30	
Methyl tert-butyl ether (MTBE)	11.3		"	10.0		113	76-135		5.56	30	
Methylene chloride	9.89		"	10.0		98.9	55-137		3.29	30	
Naphthalene	15.0		"	10.0		150	70-147	High Bias	9.72	30	
n-Butylbenzene	8.53		"	10.0		85.3	79-132		0.235	30	
n-Propylbenzene	8.15		"	10.0		81.5	78-133		0.612	30	
o-Xylene	8.78		"	10.0		87.8	78-130		2.07	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI61212 - EPA 5030B

LCS Dup (BI61212-BSD1)

Prepared & Analyzed: 09/26/2016

p- & m- Xylenes	18.1		ug/L	20.0		90.6	77-133		2.34	30
p-Isopropyltoluene	8.48		"	10.0		84.8	81-136		0.236	30
sec-Butylbenzene	7.96		"	10.0		79.6	79-137		1.00	30
Styrene	9.83		"	10.0		98.3	67-132		2.68	30
tert-Butylbenzene	8.10		"	10.0		81.0	77-138		0.983	30
Tetrachloroethylene	9.46		"	10.0		94.6	82-131		4.98	30
Toluene	9.15		"	10.0		91.5	80-127		2.55	30
trans-1,2-Dichloroethylene	9.58		"	10.0		95.8	80-132		2.54	30
trans-1,3-Dichloropropylene	9.83		"	10.0		98.3	78-131		2.47	30
Trichloroethylene	8.96		"	10.0		89.6	82-128		0.223	30
Trichlorofluoromethane	11.2		"	10.0		112	67-139		3.33	30
Vinyl Chloride	7.01		"	10.0		70.1	58-145		2.16	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>11.4</i>		<i>"</i>	<i>10.0</i>		<i>114</i>	<i>69-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>9.97</i>		<i>"</i>	<i>10.0</i>		<i>99.7</i>	<i>81-117</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.33</i>		<i>"</i>	<i>10.0</i>		<i>93.3</i>	<i>79-122</i>			

Batch BI61289 - EPA 5030B

Blank (BI61289-BLK1)

Prepared & Analyzed: 09/27/2016

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	2.0	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	ND	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI61289 - EPA 5030B

Blank (BI61289-BLK1)

Prepared & Analyzed: 09/27/2016

Chlorobenzene	ND	0.50	ug/L
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	ND	2.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"
p- & m- Xylenes	ND	1.0	"
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"
Styrene	ND	0.50	"
tert-Butylbenzene	ND	0.50	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl Chloride	ND	0.50	"
Xylenes, Total	ND	1.5	"

Surrogate: 1,2-Dichloroethane-d4	10.3	"	10.0	103	69-130
Surrogate: Toluene-d8	9.93	"	10.0	99.3	81-117
Surrogate: p-Bromofluorobenzene	10.4	"	10.0	104	79-122



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI61289 - EPA 5030B											
LCS (BI61289-BS1)						Prepared & Analyzed: 09/27/2016					
1,1,1,2-Tetrachloroethane	8.68		ug/L	10.0		86.8	82-126				
1,1,1-Trichloroethane	9.73		"	10.0		97.3	78-136				
1,1,2,2-Tetrachloroethane	8.88		"	10.0		88.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.80		"	10.0		98.0	54-165				
1,1,2-Trichloroethane	9.11		"	10.0		91.1	82-123				
1,1-Dichloroethane	9.86		"	10.0		98.6	82-129				
1,1-Dichloroethylene	9.78		"	10.0		97.8	68-138				
1,1-Dichloropropylene	9.63		"	10.0		96.3	83-133				
1,2,3-Trichlorobenzene	12.0		"	10.0		120	76-136				
1,2,3-Trichloropropane	9.20		"	10.0		92.0	77-128				
1,2,4-Trichlorobenzene	10.5		"	10.0		105	76-137				
1,2,4-Trimethylbenzene	8.90		"	10.0		89.0	82-132				
1,2-Dibromo-3-chloropropane	8.52		"	10.0		85.2	45-147				
1,2-Dibromoethane	9.38		"	10.0		93.8	83-124				
1,2-Dichlorobenzene	8.54		"	10.0		85.4	79-123				
1,2-Dichloroethane	9.39		"	10.0		93.9	73-132				
1,2-Dichloropropane	8.94		"	10.0		89.4	78-126				
1,3,5-Trimethylbenzene	8.95		"	10.0		89.5	80-131				
1,3-Dichlorobenzene	8.24		"	10.0		82.4	86-122	Low Bias			
1,3-Dichloropropane	9.28		"	10.0		92.8	81-125				
1,4-Dichlorobenzene	8.36		"	10.0		83.6	85-124	Low Bias			
2,2-Dichloropropane	9.23		"	10.0		92.3	56-150				
2-Chlorotoluene	8.43		"	10.0		84.3	79-130				
2-Hexanone	8.93		"	10.0		89.3	51-146				
4-Chlorotoluene	8.38		"	10.0		83.8	79-128				
Acetone	7.58		"	10.0		75.8	14-150				
Benzene	9.36		"	10.0		93.6	85-126				
Bromobenzene	8.83		"	10.0		88.3	78-129				
Bromochloromethane	10.1		"	10.0		101	77-128				
Bromodichloromethane	9.38		"	10.0		93.8	79-128				
Bromoform	9.86		"	10.0		98.6	78-133				
Bromomethane	4.84		"	10.0		48.4	43-168				
Carbon tetrachloride	10.3		"	10.0		103	77-141				
Chlorobenzene	8.62		"	10.0		86.2	88-120	Low Bias			
Chloroethane	9.08		"	10.0		90.8	65-136				
Chloroform	9.61		"	10.0		96.1	82-128				
Chloromethane	1.34		"	10.0		13.4	43-155	Low Bias			
cis-1,2-Dichloroethylene	9.34		"	10.0		93.4	83-129				
cis-1,3-Dichloropropylene	8.91		"	10.0		89.1	80-131				
Dibromochloromethane	9.25		"	10.0		92.5	80-130				
Dibromomethane	9.62		"	10.0		96.2	72-134				
Dichlorodifluoromethane	7.49		"	10.0		74.9	44-144				
Ethyl Benzene	9.05		"	10.0		90.5	80-131				
Hexachlorobutadiene	10.8		"	10.0		108	67-146				
Isopropylbenzene	8.80		"	10.0		88.0	76-140				
Methyl tert-butyl ether (MTBE)	9.59		"	10.0		95.9	76-135				
Methylene chloride	9.57		"	10.0		95.7	55-137				
Naphthalene	10.2		"	10.0		102	70-147				
n-Butylbenzene	8.92		"	10.0		89.2	79-132				
n-Propylbenzene	8.59		"	10.0		85.9	78-133				
o-Xylene	8.52		"	10.0		85.2	78-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI61289 - EPA 5030B											
LCS (BI61289-BS1)						Prepared & Analyzed: 09/27/2016					
p- & m- Xylenes	17.8		ug/L	20.0		88.8	77-133				
p-Isopropyltoluene	8.91		"	10.0		89.1	81-136				
sec-Butylbenzene	8.37		"	10.0		83.7	79-137				
Styrene	9.29		"	10.0		92.9	67-132				
tert-Butylbenzene	8.75		"	10.0		87.5	77-138				
Tetrachloroethylene	9.10		"	10.0		91.0	82-131				
Toluene	8.96		"	10.0		89.6	80-127				
trans-1,2-Dichloroethylene	9.61		"	10.0		96.1	80-132				
trans-1,3-Dichloropropylene	8.68		"	10.0		86.8	78-131				
Trichloroethylene	8.94		"	10.0		89.4	82-128				
Trichlorofluoromethane	10.8		"	10.0		108	67-139				
Vinyl Chloride	5.19		"	10.0		51.9	58-145	Low Bias			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.99</i>		<i>"</i>	<i>10.0</i>		<i>99.9</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.88</i>		<i>"</i>	<i>10.0</i>		<i>98.8</i>	<i>79-122</i>				
LCS Dup (BI61289-BS1)						Prepared & Analyzed: 09/27/2016					
1,1,1,2-Tetrachloroethane	8.86		ug/L	10.0		88.6	82-126		2.05	30	
1,1,1-Trichloroethane	9.48		"	10.0		94.8	78-136		2.60	30	
1,1,2,2-Tetrachloroethane	9.18		"	10.0		91.8	76-129		3.32	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.33		"	10.0		93.3	54-165		4.91	30	
1,1,2-Trichloroethane	9.42		"	10.0		94.2	82-123		3.35	30	
1,1-Dichloroethane	9.74		"	10.0		97.4	82-129		1.22	30	
1,1-Dichloroethylene	9.54		"	10.0		95.4	68-138		2.48	30	
1,1-Dichloropropylene	9.35		"	10.0		93.5	83-133		2.95	30	
1,2,3-Trichlorobenzene	14.1		"	10.0		141	76-136	High Bias	16.1	30	
1,2,3-Trichloropropane	9.51		"	10.0		95.1	77-128		3.31	30	
1,2,4-Trichlorobenzene	11.7		"	10.0		117	76-137		11.2	30	
1,2,4-Trimethylbenzene	9.09		"	10.0		90.9	82-132		2.11	30	
1,2-Dibromo-3-chloropropane	8.82		"	10.0		88.2	45-147		3.46	30	
1,2-Dibromoethane	9.60		"	10.0		96.0	83-124		2.32	30	
1,2-Dichlorobenzene	8.71		"	10.0		87.1	79-123		1.97	30	
1,2-Dichloroethane	9.65		"	10.0		96.5	73-132		2.73	30	
1,2-Dichloropropane	9.01		"	10.0		90.1	78-126		0.780	30	
1,3,5-Trimethylbenzene	9.07		"	10.0		90.7	80-131		1.33	30	
1,3-Dichlorobenzene	8.35		"	10.0		83.5	86-122	Low Bias	1.33	30	
1,3-Dichloropropane	9.53		"	10.0		95.3	81-125		2.66	30	
1,4-Dichlorobenzene	8.59		"	10.0		85.9	85-124		2.71	30	
2,2-Dichloropropane	8.97		"	10.0		89.7	56-150		2.86	30	
2-Chlorotoluene	8.60		"	10.0		86.0	79-130		2.00	30	
2-Hexanone	9.03		"	10.0		90.3	51-146		1.11	30	
4-Chlorotoluene	8.59		"	10.0		85.9	79-128		2.47	30	
Acetone	7.49		"	10.0		74.9	14-150		1.19	30	
Benzene	9.44		"	10.0		94.4	85-126		0.851	30	
Bromobenzene	9.10		"	10.0		91.0	78-129		3.01	30	
Bromochloromethane	10.1		"	10.0		101	77-128		0.495	30	
Bromodichloromethane	9.57		"	10.0		95.7	79-128		2.01	30	
Bromoform	10.0		"	10.0		100	78-133		1.41	30	
Bromomethane	5.92		"	10.0		59.2	43-168		20.1	30	
Carbon tetrachloride	10.2		"	10.0		102	77-141		1.47	30	
Chlorobenzene	8.74		"	10.0		87.4	88-120	Low Bias	1.38	30	
Chloroethane	8.87		"	10.0		88.7	65-136		2.34	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI61289 - EPA 5030B

LCS Dup (BI61289-BSD1)

Prepared & Analyzed: 09/27/2016

Chloroform	9.71		ug/L	10.0		97.1	82-128		1.04	30	
Chloromethane	1.72		"	10.0		17.2	43-155	Low Bias	24.8	30	
cis-1,2-Dichloroethylene	9.33		"	10.0		93.3	83-129		0.107	30	
cis-1,3-Dichloropropylene	9.19		"	10.0		91.9	80-131		3.09	30	
Dibromochloromethane	9.39		"	10.0		93.9	80-130		1.50	30	
Dibromomethane	9.84		"	10.0		98.4	72-134		2.26	30	
Dichlorodifluoromethane	7.05		"	10.0		70.5	44-144		6.05	30	
Ethyl Benzene	9.12		"	10.0		91.2	80-131		0.770	30	
Hexachlorobutadiene	11.8		"	10.0		118	67-146		9.56	30	
Isopropylbenzene	8.86		"	10.0		88.6	76-140		0.680	30	
Methyl tert-butyl ether (MTBE)	9.66		"	10.0		96.6	76-135		0.727	30	
Methylene chloride	9.43		"	10.0		94.3	55-137		1.47	30	
Naphthalene	11.8		"	10.0		118	70-147		14.5	30	
n-Butylbenzene	9.23		"	10.0		92.3	79-132		3.42	30	
n-Propylbenzene	8.70		"	10.0		87.0	78-133		1.27	30	
o-Xylene	8.57		"	10.0		85.7	78-130		0.585	30	
p- & m- Xylenes	18.0		"	20.0		89.8	77-133		1.12	30	
p-Isopropyltoluene	9.07		"	10.0		90.7	81-136		1.78	30	
sec-Butylbenzene	8.53		"	10.0		85.3	79-137		1.89	30	
Styrene	9.45		"	10.0		94.5	67-132		1.71	30	
tert-Butylbenzene	8.71		"	10.0		87.1	77-138		0.458	30	
Tetrachloroethylene	8.97		"	10.0		89.7	82-131		1.44	30	
Toluene	9.04		"	10.0		90.4	80-127		0.889	30	
trans-1,2-Dichloroethylene	9.54		"	10.0		95.4	80-132		0.731	30	
trans-1,3-Dichloropropylene	8.96		"	10.0		89.6	78-131		3.17	30	
Trichloroethylene	9.00		"	10.0		90.0	82-128		0.669	30	
Trichlorofluoromethane	10.3		"	10.0		103	67-139		4.84	30	
Vinyl Chloride	5.03		"	10.0		50.3	58-145	Low Bias	3.13	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.87</i>		<i>"</i>	<i>10.0</i>		<i>98.7</i>	<i>79-122</i>				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
16I0590-01	MW-98-01A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-02	MW-98-04	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-03	MW-98-04B	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-04	MW-A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-05	MW-98-05AR	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-06	MW-98-05BR	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-07	MW-45A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-08	MW-45B	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-09	MW-52A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-10	MW-28A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-11	MW-28B	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-12	MW-44A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-13	MW-44B	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-14	MW-44C	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-15	MW-47B	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-16	N-32	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-17	N-32B	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-18	MW-58A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-19	MW-58B	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-20	MW-59B	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-21	MW-B	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-22	MW-42B	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-23	MW-43A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-24	MW-43B	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-25	MW-43C	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-26	MW-53	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-27	MW-54	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-28	MW-B1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-29	MW-B4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-30	Trip Blank-SA	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-31	Trip Blank-BM	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-32	Field Blank-SA	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-33	Field Blank-BM	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-34	RW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-35	RW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16I0590-36	RW-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.



For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



Laboratory Chain-of-Custody Record

York Project (SDG) No.: 16I0590

Samples Received: 09/16/2016 17:07 By: Hillary Bradley Logged In: 09/16/2016 13:38 By: Joseph C. Eigenberg

Sample Conditions:

☒ Custody Seals	☒ Chain of Custody Form Received
☒ Containers Intact	☒ Appropriate Sample Volumes Received
☒ COC/Labels Agree	☒ Appropriate Sample Containers Submitted
☒ Preservation Confirmed	☒ Samples Submitted within Holding Times
☒ Cooler Temperature Confirmed	☐ Corrective Action Form Required
☒ COC Complete	

Preparation Chain-of-Custody

Sample ID	Reason Prep	Prep Start Date	Prep End Date	Prep Analyst
16I0590-01	EPA 5030B	09/22/2016 20:06	09/22/2016 20:06	Olivia Watson
16I0590-02	EPA 5030B	09/22/2016 8:06	09/22/2016 8:06	Olivia Watson
16I0590-03	EPA 5030B	09/22/2016 20:06	09/22/2016 20:06	Olivia Watson
16I0590-04	EPA 5030B	09/22/2016 20:06	09/22/2016 20:06	Olivia Watson
16I0590-05	EPA 5030B	09/22/2016 20:06	09/22/2016 20:06	Olivia Watson
16I0590-06	EPA 5030B	09/22/2016 20:06	09/22/2016 20:06	Olivia Watson
16I0590-07	EPA 5030B	09/22/2016 8:06	09/22/2016 8:06	Olivia Watson
16I0590-08	EPA 5030B	09/22/2016 8:06	09/22/2016 8:06	Olivia Watson
16I0590-09	EPA 5030B	09/26/2016 8:39	09/26/2016 8:39	Olivia Watson
16I0590-10	EPA 5030B	09/26/2016 8:39	09/26/2016 8:39	Olivia Watson
16I0590-11	EPA 5030B	09/26/2016 8:39	09/26/2016 8:39	Olivia Watson
16I0590-12	EPA 5030B	09/26/2016 8:39	09/26/2016 8:39	Olivia Watson
16I0590-13	EPA 5030B	09/26/2016 8:39	09/26/2016 8:39	Olivia Watson
16I0590-14	EPA 5030B	09/26/2016 8:39	09/26/2016 8:39	Olivia Watson
16I0590-15	EPA 5030B	09/26/2016 8:39	09/26/2016 8:39	Olivia Watson
16I0590-16	EPA 5030B	09/26/2016 8:39	09/26/2016 8:39	Olivia Watson
16I0590-17	EPA 5030B	09/27/2016 8:02	09/27/2016 8:02	Olivia Watson
16I0590-18	EPA 5030B	09/23/2016 18:02	09/23/2016 18:02	Olivia Watson
16I0590-19	EPA 5030B	09/22/2016 8:06	09/22/2016 8:06	Olivia Watson
16I0590-20	EPA 5030B	09/23/2016 18:02	09/23/2016 18:02	Olivia Watson
16I0590-21	EPA 5030B	09/23/2016 18:02	09/23/2016 18:02	Olivia Watson
16I0590-22	EPA 5030B	09/23/2016 18:02	09/23/2016 18:02	Olivia Watson
16I0590-23	EPA 5030B	09/23/2016 18:02	09/23/2016 18:02	Olivia Watson
16I0590-24	EPA 5030B	09/23/2016 18:02	09/23/2016 18:02	Olivia Watson
16I0590-25	EPA 5030B	09/23/2016 18:02	09/23/2016 18:02	Olivia Watson
16I0590-26	EPA 5030B	09/23/2016 18:02	09/23/2016 18:02	Olivia Watson
16I0590-27	EPA 5030B	09/23/2016 18:02	09/23/2016 18:02	Olivia Watson
16I0590-28	EPA 5030B	09/23/2016 18:02	09/23/2016 18:02	Olivia Watson



Preparation Chain-of-Custody

Sample ID	Reason Prep	Prep Start Date	Prep End Date	Prep Analyst
16I0590-29	EPA 5030B	09/23/2016 18:02	09/23/2016 18:02	Olivia Watson
16I0590-30	EPA 5030B	09/23/2016 18:02	09/23/2016 18:02	Olivia Watson
16I0590-31	EPA 5030B	09/23/2016 18:02	09/23/2016 18:02	Olivia Watson
16I0590-32	EPA 5030B	09/26/2016 8:33	09/26/2016 8:33	Olivia Watson
16I0590-33	EPA 5030B	09/26/2016 8:33	09/26/2016 8:33	Olivia Watson
16I0590-34	EPA 5030B	09/26/2016 8:33	09/26/2016 8:33	Olivia Watson
16I0590-35	EPA 5030B	09/26/2016 8:33	09/26/2016 8:33	Olivia Watson
16I0590-36	EPA 5030B	09/26/2016 8:33	09/26/2016 8:33	Olivia Watson

Analysis Chain-of-Custody

Sample ID	Reason Analysis	Analysis Start Date	Analysis End Date	Analyst
16I0590-01	Volatile Organics, 8260 List - Low Le	09/22/2016 20:06	09/23/2016 3:25	Steve Swift
16I0590-02	Volatile Organics, 8260 List - Low Le	09/22/2016 8:06	09/24/2016 1:36	Steve Swift
16I0590-03	Volatile Organics, 8260 List - Low Le	09/22/2016 20:06	09/23/2016 3:51	Steve Swift
16I0590-04	Volatile Organics, 8260 List - Low Le	09/22/2016 20:06	09/23/2016 4:17	Steve Swift
16I0590-05	Volatile Organics, 8260 List - Low Le	09/22/2016 20:06	09/23/2016 4:43	Steve Swift
16I0590-06	Volatile Organics, 8260 List - Low Le	09/22/2016 20:06	09/23/2016 5:09	Steve Swift
16I0590-07	Volatile Organics, 8260 List - Low Le	09/22/2016 8:06	09/24/2016 3:19	Steve Swift
16I0590-08	Volatile Organics, 8260 List - Low Le	09/22/2016 8:06	09/24/2016 3:45	Steve Swift
16I0590-09	Volatile Organics, 8260 List - Low Le	09/26/2016 8:39	09/26/2016 17:32	Steve Swift
16I0590-10	Volatile Organics, 8260 List - Low Le	09/26/2016 8:39	09/26/2016 18:12	Steve Swift
16I0590-11	Volatile Organics, 8260 List - Low Le	09/26/2016 8:39	09/26/2016 18:52	Steve Swift
16I0590-12	Volatile Organics, 8260 List - Low Le	09/26/2016 8:39	09/26/2016 19:31	Steve Swift
16I0590-13	Volatile Organics, 8260 List - Low Le	09/26/2016 8:39	09/26/2016 20:10	Steve Swift
16I0590-14	Volatile Organics, 8260 List - Low Le	09/26/2016 8:39	09/26/2016 20:50	Steve Swift
16I0590-15	Volatile Organics, 8260 List - Low Le	09/26/2016 8:39	09/26/2016 21:29	Steve Swift
16I0590-16	Volatile Organics, 8260 List - Low Le	09/26/2016 8:39	09/26/2016 22:09	Steve Swift
16I0590-17	Volatile Organics, 8260 List - Low Le	09/27/2016 8:02	09/27/2016 13:03	Barbara Kostrzewska
16I0590-18	Volatile Organics, 8260 List - Low Le	09/23/2016 18:02	09/24/2016 7:40	Steve Swift
16I0590-19	Volatile Organics, 8260 List - Low Le	09/22/2016 8:06	09/24/2016 4:11	Steve Swift
16I0590-20	Volatile Organics, 8260 List - Low Le	09/23/2016 18:02	09/24/2016 9:25	Steve Swift
16I0590-21	Volatile Organics, 8260 List - Low Le	09/23/2016 18:02	09/24/2016 9:51	Steve Swift
16I0590-22	Volatile Organics, 8260 List - Low Le	09/23/2016 18:02	09/24/2016 10:17	Steve Swift
16I0590-23	Volatile Organics, 8260 List - Low Le	09/23/2016 18:02	09/24/2016 10:44	Steve Swift
16I0590-24	Volatile Organics, 8260 List - Low Le	09/23/2016 18:02	09/24/2016 11:10	Steve Swift
16I0590-25	Volatile Organics, 8260 List - Low Le	09/23/2016 18:02	09/24/2016 11:36	Steve Swift
16I0590-26	Volatile Organics, 8260 List - Low Le	09/23/2016 18:02	09/24/2016 12:02	Steve Swift
16I0590-27	Volatile Organics, 8260 List - Low Le	09/23/2016 18:02	09/24/2016 12:28	Steve Swift



Analysis Chain-of-Custody

Sample ID	Reason Analysis	Analysis Start Date	Analysis End Date	Analyst
16I0590-28	Volatile Organics, 8260 List - Low Le	09/23/2016 18:02	09/24/2016 12:54	Steve Swift
16I0590-29	Volatile Organics, 8260 List - Low Le	09/23/2016 18:02	09/24/2016 13:21	Steve Swift
16I0590-30	Volatile Organics, 8260 List - Low Le	09/23/2016 18:02	09/24/2016 13:46	Steve Swift
16I0590-31	Volatile Organics, 8260 List - Low Le	09/23/2016 18:02	09/24/2016 14:12	Steve Swift
16I0590-32	Volatile Organics, 8260 List - Low Le	09/26/2016 8:33	09/26/2016 19:35	Barbara Kostrzewska
16I0590-33	Volatile Organics, 8260 List - Low Le	09/26/2016 8:33	09/26/2016 17:44	Barbara Kostrzewska
16I0590-34	Volatile Organics, 8260 List - Low Le	09/26/2016 8:33	09/26/2016 18:12	Barbara Kostrzewska
16I0590-35	Volatile Organics, 8260 List - Low Le	09/26/2016 8:33	09/26/2016 18:40	Barbara Kostrzewska
16I0590-36	Volatile Organics, 8260 List - Low Le	09/26/2016 8:33	09/26/2016 19:08	Barbara Kostrzewska

YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Page 1 of 1

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.

This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 16E0590

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type	
Company: LBA	Address: 4 Research Dr. Stratford, CT 06615	Company: Same	Address: Same	Company: Same	Address: Same	Purchase Order No.		RUSH - Same Day ☐	Summary Report ☐	Summary w/ QA Summary ☐	
Phone No. 203-929-8555	Attention: Tunde Sander	Phone No.	Attention:	Phone No.	Attention:			RUSH - Next Day ☐	CT RCP Package ☐	CT RCP Package ☐	
Contact Person: Tunde Sander	E-Mail Address: TSander@lba.com	E-Mail Address:		E-Mail Address:				RUSH - Two Day ☐	CT RCP DQA/DUE Pkg ☐	CT RCP DQA/DUE Pkg ☐	
								RUSH - Three Day ☐	NY ASP A Package ☐	NY ASP A Package ☐	
								RUSH - Four Day ☐	NY ASP B Package ☐	NY ASP B Package ☐	
								Standard(5-7 Days) ☒	NJDEP Red. Deliv. ☐	NJDEP Red. Deliv. ☐	
Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.						Electronic Data Deliverables (EDD) Simple Excel ☒ NYSDEC EQUIS ☐ EQUIS (std) ☐ EZ-EDD (EQUIS) ☐ NJDEP SRP HazSite EDD ☐ GIS/KEY (std) ☐ Other PDF ☐ York Regulatory Comparison ☐ Excel Spreadsheet ☐ Compare to the following Regs. (please fill in): ☐					

Signature: *Tunde Sander*
 Sample Collected/Authorized By (Signature)
Sara Anseaux / BRIAN MOCAI
 Name (printed)

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below										Container Description(s)
MW-98-01A	9.14.16 11:44	GW	8260 Full List										(3) VOA
MW-98-04 MS/MSD	9.14.16 14:28												(6) VOA
MW-98-04	9.14.16 14:28												(3) VOA
MW-98-04B	9.14.16 15:20												
MW-A	9.14.16 9:13												
MW-98-05AR	9.14.16 13:24												
MW-98-05BR	9.14.16 12:35												
MW-45A	9.14.16 12:50												
MW-45B	9.14.16 12:20												
MW-52A	9.14.16 11:40												

Comments

Preservation

Check those Applicable

Special Instructions

Field Filtered ☐Lab to Filter ☐4°C ☐ Frozen ☐ MeOH ☐ HNO₃ ☐ H₂SO₄ ☐ NaOH ☐ZnAc ☐ Ascorbic Acid ☐ Other ☐Samples Relinquished By *[Signature]* Date/Time 9/16/16 13:02Samples Relinquished By *[Signature]* Date/Time 9/16/16 17:07

Temperature on Receipt

2.2°C

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested. Your signature binds you to York's Std. Terms & Conditions.

York Project No. 1670590

YOUR Information			Report To:			Invoice To:			YOUR Project ID			Turn-Around Time			Report Type					
Company: LBA Address: 4 Research Dr Ste 204 Shelton CT 06484 Phone No. 203-929-8355 Contact Person: Tomer Sander E-Mail Address: TSander@lbgd.com			Company: Same Address: Phone No. Attention: E-Mail Address:			Same 			Rowe Industries Purchase Order No.			☐ RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☒ RUSH - Four Day Standard(5-7 Days) ☒			☐ Summary Report ☐ Summary w/ QA summary ☐ CT RCP Package ☐ CTRCP DQA/DUE Pkg ☐ NY ASP A Package ☐ NY ASP B Package ☒ NJDEP Red. Deliv. <u>Electronic Data Deliverables (EDD)</u> Simple Excel ☒ NYSDEC EQuls EQuls (std) EZ-EDD (EQuls) NJDEP SRP HazSite EDD GIS/KEY (std) Other PDF York Regulatory Comparison Excel Spreadsheet Compare to the following Regs. (please fill in):					
Print Clearly and Legibly. All information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.																				
Signature of Brian Mucci Samples Collected/Authorized By (Signature) Name (printed) BRIAN MUCCI			Matrix Codes S - soil Other - specify(oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor			Volatiles 8260 full TICs 624 Site Spec. STARS list Nassau Co. BTX Suffolk Co. MTBE Ketones TCL list Oxygenates TAGM list TCLP list CT RCP list 524.2 Arom. only 502.2 Halog. only App.IX list SPLP or TCLP 8021B list			Semi-Vols. Per PCB/Herb RCRA8 PP13 list TAL CTI 15 list TAGM list NJDEP list Total Dissolved SPLP or TCLP LIST Below			Metals TPH GRO TPH DRO CT ETPh NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICS Methane Helium			Full Lists Pri.Poll. TCL Organics TAL MetaCs Full TCLP Full App. IX Part 360 Routine Part 360 Baseline Part 360 Special NKDEP Sewer NYSDEC TAGM Silica			Misc. Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heterotrophs TOX BTU/lb. Aquatic Tox. TOC Asbestos Silica		
Sample Identification			Date/Time Sampled	Sample Matrix			Choose Analyses Needed from the Menu Above and Enter Below													
MW-28A		9.15.16 7:55	GW	8260 Full list																
MW-28B		9.15.16 8:40																		
MW-44A		9.14.16 6:45																		
MW-44B		9.14.16 7:10																		
MW-44C		9.14.16 7:55																		
MW-47B		9.15.16 8:56																		
N-32		9.14.16 9:20																		
N-32-B		9.14.16 10:10																		
MW-58A		9.14.16 14:25																		
MW-58A MS(MSD)		9.14.16 14:25																		
Comments			Preservation Check those Applicable Special Instructions Field Filtered ☐ Lab to Filter ☐	4°C _____ Frozen _____ HCl _____ MeOH _____ HNO ₃ _____ NaOH _____ ZnAc _____ Ascorbic Acid _____ Other _____	Temperature on Receipt 2.2°C															



YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
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Field Chain-of-Custody Record

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NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 16±0590

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type										
Company: <u>LBG</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>		Purchase Order No. <u> </u>		RUSH - Same Day ☐		Summary Report ☐											
Address: <u>4 Research Dr. Ste 204</u>	Address: <u> </u>	Address: <u> </u>	Address: <u> </u>				RUSH - Next Day ☐		Summary w/ QA Summary ☐											
Phone No. <u>203-929-8505</u>	Phone No. <u> </u>	Phone No. <u> </u>	Phone No. <u> </u>				RUSH - Two Day ☐		CT RCP Package ☐											
Contact Person: <u>Tunde Sander</u>	Attention: <u> </u>	Attention: <u> </u>	Attention: <u> </u>				RUSH - Three Day ☐		CTRCP DQA/DUE Pkg ☐											
E-Mail Address: <u>T.Sander@lbgct.com</u>	E-Mail Address: <u> </u>	E-Mail Address: <u> </u>	E-Mail Address: <u> </u>				RUSH - Four Day ☐		NY ASP A Package ☐											
Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.			Semi-Vols. <u> </u>			Volatiles <u> </u>			Standard (5-7 Days) ☒											
Matrix Codes S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor			8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCLP list Arom. only Halog. only App. IX list 8021B list			Res/PCB/Herb RCRA8 8081Pest 8151Herb CT RCP App. IX Site Spec. SPLP or TCLP TCLP Pest TCLP Herb Chlordane 608 Pest SPLP or TCLP			Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS SPLP or TCLP Air VPH Air TICs Methylene Helium			Full Lists Pri. Poll. TCL Ognics TAL MetCN Full TCLP Full App. IX Part 360 Routine Part 360 Baseline Part 360 Regional Part 360 Second Full list NYCDEP Sewer NYCDEP Sewer TAGM Silica			Misc. Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heterotrophs TOX BTU/lb. Aquatic Tox. TOC Asbestos			Simple Excel X NY/DEC EQuIS EQuIS (std) EZ-EDD (EQuIS) NIDEP SRP HazSite EDD GIS/KEY (std) Other <u>PDF</u> York Regulatory Comparison Excel Spreadsheet Compare to the following Regs. (please fill in):		
Choose Analyses Needed from the Menu Above and Enter Below																				
Sample Identification		Date/Time Sampled		Sample Matrix		Choose Analyses Needed from the Menu Above and Enter Below														
MW-50B		9.14.16 13:50		GW		8260 Foll List														
MW-59A		9.14.16 10:50																		
MW-54B		9.14.16 10:30																		
MW-B		9.14.16 9:08																		
MW-42B		9.13.16 13:19																		
MW-43A		9.13.16 12:40																		
MW-43B		9.13.16 11:42																		
MW-43C		9.13.16 15:30																		
MW-53		9.13.16 14:40																		
MW-54																				
Comments		Preservation		Check those Applicable		4°C Frozen ZnAc HCl MeOH Ascorbic Acid HNO₃ Other														
Special Instructions		Field Filtered ☐		Lab to Filter ☐		NaOH Date/Time 9/16/16 13:02 Samples Relinquished By J. B. Buehler Date/Time 9/16/16 13:07 Samples Received in LAB by Date/Time 2.20C														

Page 4 of 4

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 1670 590

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York Analytical Laboratories, Inc.

SDG: 16I0590

CLASS: VOA

METHOD: EPA 8260C

DATA PACKAGE COVER PAGE

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Client Sample Id:**Lab Sample Id:**

MW-98-01A

16I0590-01

MW-98-04

16I0590-02

MW-98-04B

16I0590-03

MW-A

16I0590-04

MW-98-05AR

16I0590-05

MW-98-05BR

16I0590-06

MW-45A

16I0590-07

MW-45B

16I0590-08

MW-52A

16I0590-09

MW-28A

16I0590-10

MW-28B

16I0590-11

MW-44A

16I0590-12

MW-44B

16I0590-13

MW-44C

16I0590-14

MW-47B

16I0590-15

N-32

16I0590-16

N-32B

16I0590-17

MW-58A

16I0590-18

MW-58B

16I0590-19

MW-59B

16I0590-20

MW-B

16I0590-21

MW-42B

16I0590-22

MW-43A

16I0590-23

MW-43B

16I0590-24

MW-43C

16I0590-25

MW-53

16I0590-26

MW-54

16I0590-27

MW-B1

16I0590-28

MW-B4

16I0590-29

Trip Blank-SA

16I0590-30

Trip Blank-BM

16I0590-31

Field Blank-SA

16I0590-32

Field Blank-BM

16I0590-33

RW-3

16I0590-34

RW-4

16I0590-35

RW-6

16I0590-36

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature:



Name:

Benjamin Gulizia

Date:

11/3/2016

Title:

Laboratory Director

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesSequence: Y6I2617Instrument: MSVOA7Matrix: WaterCalibration: YI60009

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI61178-BS1) Lab File ID: V710650.D Analyzed: 09/23/16 20:25								
1,2-Dichloroethane-d4	10.0	102	69 - 130	5.7				
Toluene-d8	10.0	97.4	81 - 117	7.517				
p-Bromofluorobenzene	10.0	99.1	79 - 122	10.285				
LCS Dup (BI61178-BSD1) Lab File ID: V710651.D Analyzed: 09/23/16 20:51								
1,2-Dichloroethane-d4	10.0	100	69 - 130	5.697				
Toluene-d8	10.0	98.4	81 - 117	7.517				
p-Bromofluorobenzene	10.0	98.8	79 - 122	10.285				
Blank (BI61178-BLK1) Lab File ID: V710652.D Analyzed: 09/23/16 21:17								
1,2-Dichloroethane-d4	10.0	102	69 - 130	5.697				
Toluene-d8	10.0	97.0	81 - 117	7.517				
p-Bromofluorobenzene	10.0	101	79 - 122	10.285				
MW-98-04 (16I0590-02) Lab File ID: V710662.D Analyzed: 09/24/16 01:36								
1,2-Dichloroethane-d4	10.0	102	69 - 130	5.7				
Toluene-d8	10.0	97.2	81 - 117	7.514				
p-Bromofluorobenzene	10.0	101	79 - 122	10.285				
Matrix Spike (BI61178-MS1) Lab File ID: V710663.D Analyzed: 09/24/16 02:02								
1,2-Dichloroethane-d4	10.0	100	69 - 130	5.697				
Toluene-d8	10.0	98.1	81 - 117	7.517				
p-Bromofluorobenzene	10.0	99.2	79 - 122	10.285				
Matrix Spike Dup (BI61178-MSD1) Lab File ID: V710664.D Analyzed: 09/24/16 02:28								
1,2-Dichloroethane-d4	10.0	102	69 - 130	5.697				
Toluene-d8	10.0	98.2	81 - 117	7.517				
p-Bromofluorobenzene	10.0	97.8	79 - 122	10.285				
MW-45A (16I0590-07) Lab File ID: V710666.D Analyzed: 09/24/16 03:19								
1,2-Dichloroethane-d4	10.0	99.9	69 - 130	5.7				
Toluene-d8	10.0	96.2	81 - 117	7.517				
p-Bromofluorobenzene	10.0	99.9	79 - 122	10.288				
MW-45B (16I0590-08) Lab File ID: V710667.D Analyzed: 09/24/16 03:45								
1,2-Dichloroethane-d4	10.0	103	69 - 130	5.7				
Toluene-d8	10.0	97.1	81 - 117	7.517				
p-Bromofluorobenzene	10.0	100	79 - 122	10.285				

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260C

Laboratory:York Analytical Laboratories, Inc.

SDG:16I0590

Client:Leggette Brashears & Graham Shelton Office

Project:Rowe Industries

Sequence:Y6I2617

Instrument:

Matrix:Water

Calibration:

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
MW-58B (16I0590-19)		Lab File ID: V710668.D			Analyzed: 09/24/16 04:11			
1,2-Dichloroethane-d4	10.0	103	69 - 130	5.7				
Toluene-d8	10.0	96.2	81 - 117	7.517				
p-Bromofluorobenzene	10.0	100	79 - 122	10.285				

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesSequence: Y6I2626Instrument: MSVOA7Matrix: WaterCalibration: YI60009

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI61100-BS1)		Lab File ID: V710650.D			Analyzed: 09/22/16 21:21			
1,2-Dichloroethane-d4	10.0	102	69 - 130	5.697				
Toluene-d8	10.0	98.7	81 - 117	7.517				
p-Bromofluorobenzene	10.0	97.9	79 - 122	10.285				
LCS Dup (BI61100-BSD1)		Lab File ID: V710651.D			Analyzed: 09/22/16 21:47			
1,2-Dichloroethane-d4	10.0	102	69 - 130	5.697				
Toluene-d8	10.0	98.1	81 - 117	7.517				
p-Bromofluorobenzene	10.0	98.0	79 - 122	10.285				
Blank (BI61100-BLK1)		Lab File ID: V710653.D			Analyzed: 09/22/16 22:39			
1,2-Dichloroethane-d4	10.0	102	69 - 130	5.7				
Toluene-d8	10.0	98.1	81 - 117	7.517				
p-Bromofluorobenzene	10.0	99.6	79 - 122	10.285				
MW-98-01A (16I0590-01)		Lab File ID: V710664.D			Analyzed: 09/23/16 03:25			
1,2-Dichloroethane-d4	10.0	99.1	69 - 130	5.7				
Toluene-d8	10.0	98.0	81 - 117	7.517				
p-Bromofluorobenzene	10.0	103	79 - 122	10.285				
MW-98-04B (16I0590-03)		Lab File ID: V710665.D			Analyzed: 09/23/16 03:51			
1,2-Dichloroethane-d4	10.0	100	69 - 130	5.697				
Toluene-d8	10.0	98.2	81 - 117	7.517				
p-Bromofluorobenzene	10.0	101	79 - 122	10.285				
MW-A (16I0590-04)		Lab File ID: V710666.D			Analyzed: 09/23/16 04:17			
1,2-Dichloroethane-d4	10.0	99.3	69 - 130	5.7				
Toluene-d8	10.0	97.4	81 - 117	7.517				
p-Bromofluorobenzene	10.0	100	79 - 122	10.282				
MW-98-05AR (16I0590-05)		Lab File ID: V710667.D			Analyzed: 09/23/16 04:43			
1,2-Dichloroethane-d4	10.0	101	69 - 130	5.697				
Toluene-d8	10.0	97.0	81 - 117	7.514				
p-Bromofluorobenzene	10.0	100	79 - 122	10.285				
MW-98-05BR (16I0590-06)		Lab File ID: V710668.D			Analyzed: 09/23/16 05:09			
1,2-Dichloroethane-d4	10.0	101	69 - 130	5.697				
Toluene-d8	10.0	97.5	81 - 117	7.517				
p-Bromofluorobenzene	10.0	101	79 - 122	10.285				

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesSequence: Y6I2628Instrument: MSVOA6Matrix: WaterCalibration: UNASSIGNED

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI61211-BS1)		Lab File ID: V6020205.D			Analyzed: 09/26/16 11:54			
1,2-Dichloroethane-d4	10.0	94.1	69 - 130	5.452				
Toluene-d8	10.0	97.8	81 - 117	7.283				
p-Bromofluorobenzene	10.0	102	79 - 122	10.049				
LCS Dup (BI61211-BS1)		Lab File ID: V6020206.D			Analyzed: 09/26/16 12:34			
1,2-Dichloroethane-d4	10.0	91.7	69 - 130	5.453				
Toluene-d8	10.0	99.1	81 - 117	7.281				
p-Bromofluorobenzene	10.0	104	79 - 122	10.046				
Blank (BI61211-BLK1)		Lab File ID: V6020207.D			Analyzed: 09/26/16 13:13			
1,2-Dichloroethane-d4	10.0	95.2	69 - 130	5.455				
Toluene-d8	10.0	103	81 - 117	7.281				
p-Bromofluorobenzene	10.0	100	79 - 122	10.049				
MW-52A (16I0590-09)		Lab File ID: V6020212.D			Analyzed: 09/26/16 17:32			
1,2-Dichloroethane-d4	10.0	94.8	69 - 130	5.453				
Toluene-d8	10.0	99.6	81 - 117	7.278				
p-Bromofluorobenzene	10.0	97.4	79 - 122	10.046				
MW-28A (16I0590-10)		Lab File ID: V6020213.D			Analyzed: 09/26/16 18:12			
1,2-Dichloroethane-d4	10.0	96.6	69 - 130	5.45				
Toluene-d8	10.0	102	81 - 117	7.278				
p-Bromofluorobenzene	10.0	97.2	79 - 122	10.043				
MW-28B (16I0590-11)		Lab File ID: V6020214.D			Analyzed: 09/26/16 18:52			
1,2-Dichloroethane-d4	10.0	92.3	69 - 130	5.45				
Toluene-d8	10.0	98.7	81 - 117	7.278				
p-Bromofluorobenzene	10.0	103	79 - 122	10.043				
MW-44A (16I0590-12)		Lab File ID: V6020215.D			Analyzed: 09/26/16 19:31			
1,2-Dichloroethane-d4	10.0	93.6	69 - 130	5.452				
Toluene-d8	10.0	101	81 - 117	7.278				
p-Bromofluorobenzene	10.0	104	79 - 122	10.043				
MW-44B (16I0590-13)		Lab File ID: V6020216.D			Analyzed: 09/26/16 20:10			
1,2-Dichloroethane-d4	10.0	92.0	69 - 130	5.455				
Toluene-d8	10.0	101	81 - 117	7.278				
p-Bromofluorobenzene	10.0	99.6	79 - 122	10.043				

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260C

Laboratory:York Analytical Laboratories, Inc.SDG:16I0590

Client:Leggette Brashears & Graham Shelton OfficeProject:Rowe Industries

Sequence:Y6I2628Instrument:

Matrix:WaterCalibration:

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
MW-44C (16I0590-14)Lab File ID: V6020217.DAnalyzed: 09/26/16 20:50								
1,2-Dichloroethane-d4	10.0	94.1	69 - 130	5.452				
Toluene-d8	10.0	101	81 - 117	7.278				
p-Bromofluorobenzene	10.0	101	79 - 122	10.049				
MW-47B (16I0590-15)Lab File ID: V6020218.DAnalyzed: 09/26/16 21:29								
1,2-Dichloroethane-d4	10.0	93.3	69 - 130	5.453				
Toluene-d8	10.0	101	81 - 117	7.278				
p-Bromofluorobenzene	10.0	104	79 - 122	10.049				
N-32 (16I0590-16)Lab File ID: V6020219.DAnalyzed: 09/26/16 22:09								
1,2-Dichloroethane-d4	10.0	94.1	69 - 130	5.45				
Toluene-d8	10.0	104	81 - 117	7.275				
p-Bromofluorobenzene	10.0	95.5	79 - 122	10.041				

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesSequence: Y6I2702Instrument: MSVOA7Matrix: WaterCalibration: YI60009

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI61179-BS1) Lab File ID: V710672.D Analyzed: 09/24/16 05:56								
1,2-Dichloroethane-d4	10.0	102	69 - 130	5.7				
Toluene-d8	10.0	97.8	81 - 117	7.517				
p-Bromofluorobenzene	10.0	98.0	79 - 122	10.285				
LCS Dup (BI61179-BSD1) Lab File ID: V710673.D Analyzed: 09/24/16 06:22								
1,2-Dichloroethane-d4	10.0	102	69 - 130	5.697				
Toluene-d8	10.0	97.8	81 - 117	7.517				
p-Bromofluorobenzene	10.0	97.6	79 - 122	10.285				
Blank (BI61179-BLK1) Lab File ID: V710674.D Analyzed: 09/24/16 06:48								
1,2-Dichloroethane-d4	10.0	101	69 - 130	5.7				
Toluene-d8	10.0	97.2	81 - 117	7.517				
p-Bromofluorobenzene	10.0	101	79 - 122	10.288				
MW-58A (16I0590-18) Lab File ID: V710676.D Analyzed: 09/24/16 07:40								
1,2-Dichloroethane-d4	10.0	103	69 - 130	5.697				
Toluene-d8	10.0	96.6	81 - 117	7.517				
p-Bromofluorobenzene	10.0	99.7	79 - 122	10.285				
Matrix Spike (BI61179-MS1) Lab File ID: V710677.D Analyzed: 09/24/16 08:07								
1,2-Dichloroethane-d4	10.0	102	69 - 130	5.7				
Toluene-d8	10.0	97.3	81 - 117	7.517				
p-Bromofluorobenzene	10.0	96.2	79 - 122	10.285				
Matrix Spike Dup (BI61179-MSD1) Lab File ID: V710678.D Analyzed: 09/24/16 08:32								
1,2-Dichloroethane-d4	10.0	104	69 - 130	5.697				
Toluene-d8	10.0	97.4	81 - 117	7.517				
p-Bromofluorobenzene	10.0	97.3	79 - 122	10.285				
MW-59B (16I0590-20) Lab File ID: V710680.D Analyzed: 09/24/16 09:25								
1,2-Dichloroethane-d4	10.0	102	69 - 130	5.7				
Toluene-d8	10.0	97.5	81 - 117	7.517				
p-Bromofluorobenzene	10.0	100	79 - 122	10.285				
MW-B (16I0590-21) Lab File ID: V710681.D Analyzed: 09/24/16 09:51								
1,2-Dichloroethane-d4	10.0	103	69 - 130	5.7				
Toluene-d8	10.0	96.6	81 - 117	7.517				
p-Bromofluorobenzene	10.0	98.5	79 - 122	10.285				

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesSequence: Y6I2702

Instrument:

Matrix: Water

Calibration:

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
MW-42B (16I0590-22) Lab File ID: V710682.D Analyzed: 09/24/16 10:17								
1,2-Dichloroethane-d4	10.0	103	69 - 130	5.7				
Toluene-d8	10.0	97.2	81 - 117	7.514				
p-Bromofluorobenzene	10.0	101	79 - 122	10.282				
MW-43A (16I0590-23) Lab File ID: V710683.D Analyzed: 09/24/16 10:44								
1,2-Dichloroethane-d4	10.0	104	69 - 130	5.697				
Toluene-d8	10.0	96.5	81 - 117	7.517				
p-Bromofluorobenzene	10.0	99.7	79 - 122	10.285				
MW-43B (16I0590-24) Lab File ID: V710684.D Analyzed: 09/24/16 11:10								
1,2-Dichloroethane-d4	10.0	104	69 - 130	5.697				
Toluene-d8	10.0	96.1	81 - 117	7.514				
p-Bromofluorobenzene	10.0	100	79 - 122	10.285				
MW-43C (16I0590-25) Lab File ID: V710685.D Analyzed: 09/24/16 11:36								
1,2-Dichloroethane-d4	10.0	104	69 - 130	5.697				
Toluene-d8	10.0	96.3	81 - 117	7.517				
p-Bromofluorobenzene	10.0	98.7	79 - 122	10.285				
MW-53 (16I0590-26) Lab File ID: V710686.D Analyzed: 09/24/16 12:02								
1,2-Dichloroethane-d4	10.0	103	69 - 130	5.697				
Toluene-d8	10.0	97.3	81 - 117	7.517				
p-Bromofluorobenzene	10.0	100	79 - 122	10.288				
MW-54 (16I0590-27) Lab File ID: V710687.D Analyzed: 09/24/16 12:28								
1,2-Dichloroethane-d4	10.0	103	69 - 130	5.7				
Toluene-d8	10.0	96.5	81 - 117	7.517				
p-Bromofluorobenzene	10.0	98.0	79 - 122	10.285				
MW-B1 (16I0590-28) Lab File ID: V710688.D Analyzed: 09/24/16 12:54								
1,2-Dichloroethane-d4	10.0	104	69 - 130	5.697				
Toluene-d8	10.0	96.4	81 - 117	7.514				
p-Bromofluorobenzene	10.0	99.8	79 - 122	10.285				
MW-B4 (16I0590-29) Lab File ID: V710689.D Analyzed: 09/24/16 13:21								
1,2-Dichloroethane-d4	10.0	102	69 - 130	5.697				
Toluene-d8	10.0	96.6	81 - 117	7.517				
p-Bromofluorobenzene	10.0	99.5	79 - 122	10.285				

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260C

Laboratory:York Analytical Laboratories, Inc.

SDG:16I0590

Client:Leggette Brashears & Graham Shelton Office

Project:Rowe Industries

Sequence:Y6I2702

Instrument:

Matrix:Water

Calibration:

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Trip Blank-SA (16I0590-30)		Lab File ID: V710690.D			Analyzed: 09/24/16 13:46			
1,2-Dichloroethane-d4	10.0	103	69 - 130	5.7				
Toluene-d8	10.0	96.4	81 - 117	7.517				
p-Bromofluorobenzene	10.0	99.5	79 - 122	10.285				
Trip Blank-BM (16I0590-31)		Lab File ID: V710691.D			Analyzed: 09/24/16 14:12			
1,2-Dichloroethane-d4	10.0	103	69 - 130	5.7				
Toluene-d8	10.0	96.3	81 - 117	7.517				
p-Bromofluorobenzene	10.0	101	79 - 122	10.288				

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesSequence: Y6I2703Instrument: VOA No. 8Matrix: WaterCalibration: YI60005

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI61212-BS1)		Lab File ID: V8003743.D			Analyzed: 09/26/16 15:54			
1,2-Dichloroethane-d4	10.0	111	69 - 130	5.889				
Toluene-d8	10.0	100	81 - 117	7.712				
p-Bromofluorobenzene	10.0	93.6	79 - 122	10.501				
LCS Dup (BI61212-BSD1)		Lab File ID: V8003744.D			Analyzed: 09/26/16 16:21			
1,2-Dichloroethane-d4	10.0	114	69 - 130	5.888				
Toluene-d8	10.0	99.7	81 - 117	7.712				
p-Bromofluorobenzene	10.0	93.3	79 - 122	10.501				
Blank (BI61212-BLK1)		Lab File ID: V8003746.D			Analyzed: 09/26/16 17:17			
1,2-Dichloroethane-d4	10.0	109	69 - 130	5.889				
Toluene-d8	10.0	101	81 - 117	7.715				
p-Bromofluorobenzene	10.0	99.9	79 - 122	10.498				
Field Blank-BM (16I0590-33)		Lab File ID: V8003747.D			Analyzed: 09/26/16 17:44			
1,2-Dichloroethane-d4	10.0	106	69 - 130	5.889				
Toluene-d8	10.0	102	81 - 117	7.715				
p-Bromofluorobenzene	10.0	102	79 - 122	10.501				
RW-3 (16I0590-34)		Lab File ID: V8003748.D			Analyzed: 09/26/16 18:12			
1,2-Dichloroethane-d4	10.0	105	69 - 130	5.886				
Toluene-d8	10.0	102	81 - 117	7.715				
p-Bromofluorobenzene	10.0	103	79 - 122	10.501				
RW-4 (16I0590-35)		Lab File ID: V8003749.D			Analyzed: 09/26/16 18:40			
1,2-Dichloroethane-d4	10.0	102	69 - 130	5.889				
Toluene-d8	10.0	102	81 - 117	7.712				
p-Bromofluorobenzene	10.0	104	79 - 122	10.501				
RW-6 (16I0590-36)		Lab File ID: V8003750.D			Analyzed: 09/26/16 19:08			
1,2-Dichloroethane-d4	10.0	104	69 - 130	5.886				
Toluene-d8	10.0	102	81 - 117	7.715				
p-Bromofluorobenzene	10.0	104	79 - 122	10.501				
Field Blank-SA (16I0590-32)		Lab File ID: V8003751.D			Analyzed: 09/26/16 19:35			
1,2-Dichloroethane-d4	10.0	106	69 - 130	5.886				
Toluene-d8	10.0	101	81 - 117	7.715				
p-Bromofluorobenzene	10.0	102	79 - 122	10.501				

FORM II

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesSequence: Y6I2713Instrument: VOA No. 8Matrix: WaterCalibration: YI60005

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI61289-BS1) Lab File ID: V8003783.D Analyzed: 09/27/16 11:12								
1,2-Dichloroethane-d4	10.0	104	69 - 130	5.889				
Toluene-d8	10.0	99.9	81 - 117	7.712				
p-Bromofluorobenzene	10.0	98.8	79 - 122	10.501				
LCS Dup (BI61289-BSD1) Lab File ID: V8003784.D Analyzed: 09/27/16 11:39								
1,2-Dichloroethane-d4	10.0	104	69 - 130	5.888				
Toluene-d8	10.0	100	81 - 117	7.712				
p-Bromofluorobenzene	10.0	98.7	79 - 122	10.501				
Blank (BI61289-BLK1) Lab File ID: V8003786.D Analyzed: 09/27/16 12:35								
1,2-Dichloroethane-d4	10.0	103	69 - 130	5.886				
Toluene-d8	10.0	99.3	81 - 117	7.712				
p-Bromofluorobenzene	10.0	104	79 - 122	10.498				
N-32B (16I0590-17) Lab File ID: V8003787.D Analyzed: 09/27/16 13:03								
1,2-Dichloroethane-d4	10.0	102	69 - 130	5.886				
Toluene-d8	10.0	100	81 - 117	7.715				
p-Bromofluorobenzene	10.0	105	79 - 122	10.501				

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61100Laboratory ID: BI61100-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	10.1	101	82 - 126
1,1,1-Trichloroethane	10.0	11.0	110	78 - 136
1,1,2,2-Tetrachloroethane	10.0	10.2	102	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	10.9	109	54 - 165
1,1,2-Trichloroethane	10.0	10.4	104	82 - 123
1,1-Dichloroethane	10.0	10.9	109	82 - 129
1,1-Dichloroethylene	10.0	10.5	105	68 - 138
1,1-Dichloropropylene	10.0	10.4	104	83 - 133
1,2,3-Trichlorobenzene	10.0	9.95	99.5	76 - 136
1,2,3-Trichloropropane	10.0	10.3	103	77 - 128
1,2,4-Trichlorobenzene	10.0	10.3	103	76 - 137
1,2,4-Trimethylbenzene	10.0	10.5	105	82 - 132
1,2-Dibromo-3-chloropropane	10.0	9.65	96.5	45 - 147
1,2-Dibromoethane	10.0	10.4	104	83 - 124
1,2-Dichlorobenzene	10.0	9.68	96.8	79 - 123
1,2-Dichloroethane	10.0	10.9	109	73 - 132
1,2-Dichloropropane	10.0	10.0	100	78 - 126
1,3,5-Trimethylbenzene	10.0	10.4	104	80 - 131
1,3-Dichlorobenzene	10.0	9.95	99.5	86 - 122
1,3-Dichloropropane	10.0	10.2	102	81 - 125
1,4-Dichlorobenzene	10.0	9.92	99.2	85 - 124
2,2-Dichloropropane	10.0	11.1	111	56 - 150
2-Chlorotoluene	10.0	9.72	97.2	79 - 130
2-Hexanone	10.0	9.76	97.6	51 - 146
4-Chlorotoluene	10.0	9.76	97.6	79 - 128
Acetone	10.0	9.78	97.8	14 - 150
Benzene	10.0	10.8	108	85 - 126
Bromobenzene	10.0	10.1	101	78 - 129
Bromochloromethane	10.0	10.4	104	77 - 128
Bromodichloromethane	10.0	10.5	105	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61100Laboratory ID: BI61100-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Bromoform	10.0	10.4	104	78 - 133
Bromomethane	10.0	6.01	60.1	43 - 168
Carbon tetrachloride	10.0	11.3	113	77 - 141
Chlorobenzene	10.0	9.86	98.6	88 - 120
Chloroethane	10.0	9.99	99.9	65 - 136
Chloroform	10.0	11.0	110	82 - 128
Chloromethane	10.0	4.49	44.9	43 - 155
cis-1,2-Dichloroethylene	10.0	10.6	106	83 - 129
cis-1,3-Dichloropropylene	10.0	10.0	100	80 - 131
Dibromochloromethane	10.0	10.4	104	80 - 130
Dibromomethane	10.0	11.1	111	72 - 134
Dichlorodifluoromethane	10.0	9.32	93.2	44 - 144
Ethyl Benzene	10.0	10.3	103	80 - 131
Hexachlorobutadiene	10.0	10.1	101	67 - 146
Isopropylbenzene	10.0	9.78	97.8	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	10.5	105	76 - 135
Methylene chloride	10.0	12.0	120	55 - 137
Naphthalene	10.0	9.90	99.0	70 - 147
n-Butylbenzene	10.0	10.3	103	79 - 132
n-Propylbenzene	10.0	9.86	98.6	78 - 133
o-Xylene	10.0	9.81	98.1	78 - 130
p- & m- Xylenes	20.0	20.6	103	77 - 133
p-Isopropyltoluene	10.0	10.6	106	81 - 136
sec-Butylbenzene	10.0	9.57	95.7	79 - 137
Styrene	10.0	11.1	111	67 - 132
tert-Butylbenzene	10.0	9.79	97.9	77 - 138
Tetrachloroethylene	10.0	9.16	91.6	82 - 131
Toluene	10.0	10.3	103	80 - 127
trans-1,2-Dichloroethylene	10.0	10.5	105	80 - 132
trans-1,3-Dichloropropylene	10.0	9.84	98.4	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory:York Analytical Laboratories, Inc.

SDG:16I0590

Client:Leggette Brashears & Graham Shelton Office

Project:Rowe Industries

Matrix:Water

Batch:BI61100

Laboratory ID:BI61100-BS1

Preparation:EPA 5030B

Initial/Final:25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Trichloroethylene	10.0	10.3	103	82 - 128
Trichlorofluoromethane	10.0	11.0	110	67 - 139
Vinyl Chloride	10.0	9.51	95.1	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61100Laboratory ID: BI61100-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	10.0	10.0	100	0.795	30	82 - 126
1,1,1-Trichloroethane	10.0	10.7	107	2.49	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.91	99.1	2.69	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.3	103	5.94	30	54 - 165
1,1,2-Trichloroethane	10.0	10.2	102	1.93	30	82 - 123
1,1-Dichloroethane	10.0	10.5	105	3.82	30	82 - 129
1,1-Dichloroethylene	10.0	9.98	99.8	5.36	30	68 - 138
1,1-Dichloropropylene	10.0	10.3	103	0.867	30	83 - 133
1,2,3-Trichlorobenzene	10.0	9.86	98.6	0.909	30	76 - 136
1,2,3-Trichloropropane	10.0	10.1	101	2.45	30	77 - 128
1,2,4-Trichlorobenzene	10.0	9.97	99.7	3.26	30	76 - 137
1,2,4-Trimethylbenzene	10.0	10.1	101	3.69	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	9.77	97.7	1.24	30	45 - 147
1,2-Dibromoethane	10.0	10.2	102	1.46	30	83 - 124
1,2-Dichlorobenzene	10.0	9.32	93.2	3.79	30	79 - 123
1,2-Dichloroethane	10.0	10.7	107	1.76	30	73 - 132
1,2-Dichloropropane	10.0	9.77	97.7	2.83	30	78 - 126
1,3,5-Trimethylbenzene	10.0	10.2	102	2.72	30	80 - 131
1,3-Dichlorobenzene	10.0	9.53	95.3	4.31	30	86 - 122
1,3-Dichloropropane	10.0	10.1	101	0.789	30	81 - 125
1,4-Dichlorobenzene	10.0	9.65	96.5	2.76	30	85 - 124
2,2-Dichloropropane	10.0	10.9	109	2.27	30	56 - 150
2-Chlorotoluene	10.0	9.40	94.0	3.35	30	79 - 130
2-Hexanone	10.0	10.5	105	7.31	30	51 - 146
4-Chlorotoluene	10.0	9.40	94.0	3.76	30	79 - 128
Acetone	10.0	11.5	115	16.5	30	14 - 150
Benzene	10.0	10.6	106	2.34	30	85 - 126
Bromobenzene	10.0	9.63	96.3	4.37	30	78 - 129
Bromochloromethane	10.0	10.2	102	2.52	30	77 - 128
Bromodichloromethane	10.0	10.2	102	3.00	30	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61100Laboratory ID: BI61100-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Bromoform	10.0	10.2	102	1.75	30	78 - 133
Bromomethane	10.0	5.58	55.8	7.42	30	43 - 168
Carbon tetrachloride	10.0	11.1	111	1.97	30	77 - 141
Chlorobenzene	10.0	9.59	95.9	2.78	30	88 - 120
Chloroethane	10.0	9.32	93.2	6.94	30	65 - 136
Chloroform	10.0	10.8	108	1.65	30	82 - 128
Chloromethane	10.0	6.17	61.7	31.5 *	30	43 - 155
cis-1,2-Dichloroethylene	10.0	10.2	102	3.36	30	83 - 129
cis-1,3-Dichloropropylene	10.0	9.88	98.8	1.61	30	80 - 131
Dibromochloromethane	10.0	10.2	102	1.75	30	80 - 130
Dibromomethane	10.0	10.9	109	1.27	30	72 - 134
Dichlorodifluoromethane	10.0	8.94	89.4	4.16	30	44 - 144
Ethyl Benzene	10.0	10.1	101	2.35	30	80 - 131
Hexachlorobutadiene	10.0	9.92	99.2	1.70	30	67 - 146
Isopropylbenzene	10.0	9.53	95.3	2.59	30	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	10.4	104	0.959	30	76 - 135
Methylene chloride	10.0	13.5	135	12.2	30	55 - 137
Naphthalene	10.0	9.83	98.3	0.710	30	70 - 147
n-Butylbenzene	10.0	9.95	99.5	3.46	30	79 - 132
n-Propylbenzene	10.0	9.51	95.1	3.61	30	78 - 133
o-Xylene	10.0	9.61	96.1	2.06	30	78 - 130
p- & m- Xylenes	20.0	20.1	101	2.36	30	77 - 133
p-Isopropyltoluene	10.0	10.2	102	3.57	30	81 - 136
sec-Butylbenzene	10.0	9.31	93.1	2.75	30	79 - 137
Styrene	10.0	10.8	108	2.66	30	67 - 132
tert-Butylbenzene	10.0	9.43	94.3	3.75	30	77 - 138
Tetrachloroethylene	10.0	10.3	103	12.0	30	82 - 131
Toluene	10.0	10.0	100	2.86	30	80 - 127
trans-1,2-Dichloroethylene	10.0	10.4	104	1.05	30	80 - 132
trans-1,3-Dichloropropylene	10.0	9.77	97.7	0.714	30	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590

Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe Industries

Matrix: Water

Batch: BI61100Laboratory ID: BI61100-BSD1

Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Trichloroethylene	10.0	10.0	100	2.46	30	82 - 128
Trichlorofluoromethane	10.0	10.7	107	3.41	30	67 - 139
Vinyl Chloride	10.0	9.00	90.0	5.51	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61178Laboratory ID: BI61178-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	9.74	97.4	82 - 126
1,1,1-Trichloroethane	10.0	10.6	106	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.58	95.8	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11.0	110	54 - 165
1,1,2-Trichloroethane	10.0	9.78	97.8	82 - 123
1,1-Dichloroethane	10.0	10.5	105	82 - 129
1,1-Dichloroethylene	10.0	10.8	108	68 - 138
1,1-Dichloropropylene	10.0	10.3	103	83 - 133
1,2,3-Trichlorobenzene	10.0	9.53	95.3	76 - 136
1,2,3-Trichloropropane	10.0	9.68	96.8	77 - 128
1,2,4-Trichlorobenzene	10.0	9.83	98.3	76 - 137
1,2,4-Trimethylbenzene	10.0	10.2	102	82 - 132
1,2-Dibromo-3-chloropropane	10.0	9.40	94.0	45 - 147
1,2-Dibromoethane	10.0	9.80	98.0	83 - 124
1,2-Dichlorobenzene	10.0	9.35	93.5	79 - 123
1,2-Dichloroethane	10.0	10.6	106	73 - 132
1,2-Dichloropropane	10.0	9.32	93.2	78 - 126
1,3,5-Trimethylbenzene	10.0	10.1	101	80 - 131
1,3-Dichlorobenzene	10.0	9.66	96.6	86 - 122
1,3-Dichloropropane	10.0	9.60	96.0	81 - 125
1,4-Dichlorobenzene	10.0	9.62	96.2	85 - 124
2,2-Dichloropropane	10.0	10.9	109	56 - 150
2-Chlorotoluene	10.0	9.35	93.5	79 - 130
2-Hexanone	10.0	9.69	96.9	51 - 146
4-Chlorotoluene	10.0	9.33	93.3	79 - 128
Acetone	10.0	10.9	109	14 - 150
Benzene	10.0	10.4	104	85 - 126
Bromobenzene	10.0	9.44	94.4	78 - 129
Bromochloromethane	10.0	9.92	99.2	77 - 128
Bromodichloromethane	10.0	9.84	98.4	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61178Laboratory ID: BI61178-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Bromoform	10.0	9.89	98.9	78 - 133
Bromomethane	10.0	5.81	58.1	43 - 168
Carbon tetrachloride	10.0	11.0	110	77 - 141
Chlorobenzene	10.0	9.40	94.0	88 - 120
Chloroethane	10.0	10.0	100	65 - 136
Chloroform	10.0	10.6	106	82 - 128
Chloromethane	10.0	5.60	56.0	43 - 155
cis-1,2-Dichloroethylene	10.0	10.1	101	83 - 129
cis-1,3-Dichloropropylene	10.0	9.55	95.5	80 - 131
Dibromochloromethane	10.0	9.76	97.6	80 - 130
Dibromomethane	10.0	10.5	105	72 - 134
Dichlorodifluoromethane	10.0	10.4	104	44 - 144
Ethyl Benzene	10.0	9.86	98.6	80 - 131
Hexachlorobutadiene	10.0	9.60	96.0	67 - 146
Isopropylbenzene	10.0	9.45	94.5	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	10.0	100	76 - 135
Methylene chloride	10.0	9.06	90.6	55 - 137
Naphthalene	10.0	9.44	94.4	70 - 147
n-Butylbenzene	10.0	9.88	98.8	79 - 132
n-Propylbenzene	10.0	9.38	93.8	78 - 133
o-Xylene	10.0	9.47	94.7	78 - 130
p- & m- Xylenes	20.0	19.8	99.2	77 - 133
p-Isopropyltoluene	10.0	10.2	102	81 - 136
sec-Butylbenzene	10.0	9.28	92.8	79 - 137
Styrene	10.0	10.6	106	67 - 132
tert-Butylbenzene	10.0	9.44	94.4	77 - 138
Tetrachloroethylene	10.0	10.8	108	82 - 131
Toluene	10.0	9.75	97.5	80 - 127
trans-1,2-Dichloroethylene	10.0	10.2	102	80 - 132
trans-1,3-Dichloropropylene	10.0	9.36	93.6	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory:York Analytical Laboratories, Inc.

SDG:16I0590

Client:Leggette Brashears & Graham Shelton Office

Project:Rowe Industries

Matrix:Water

Batch:BI61178

Laboratory ID:BI61178-BS1

Preparation:EPA 5030B

Initial/Final:25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Trichloroethylene	10.0	9.85	98.5	82 - 128
Trichlorofluoromethane	10.0	11.0	110	67 - 139
Vinyl Chloride	10.0	9.39	93.9	58 - 145

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61178Laboratory ID: BI61178-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	10.0	9.98	99.8	2.43	30	82 - 126
1,1,1-Trichloroethane	10.0	11.0	110	3.06	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.45	94.5	1.37	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	11.3	113	2.69	30	54 - 165
1,1,2-Trichloroethane	10.0	9.92	99.2	1.42	30	82 - 123
1,1-Dichloroethane	10.0	10.6	106	0.379	30	82 - 129
1,1-Dichloroethylene	10.0	11.0	110	1.37	30	68 - 138
1,1-Dichloropropylene	10.0	10.3	103	0.777	30	83 - 133
1,2,3-Trichlorobenzene	10.0	9.66	96.6	1.35	30	76 - 136
1,2,3-Trichloropropane	10.0	9.68	96.8	0.00	30	77 - 128
1,2,4-Trichlorobenzene	10.0	9.81	98.1	0.204	30	76 - 137
1,2,4-Trimethylbenzene	10.0	10.2	102	0.588	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	9.34	93.4	0.640	30	45 - 147
1,2-Dibromoethane	10.0	10.1	101	2.72	30	83 - 124
1,2-Dichlorobenzene	10.0	9.39	93.9	0.427	30	79 - 123
1,2-Dichloroethane	10.0	10.6	106	0.189	30	73 - 132
1,2-Dichloropropane	10.0	9.51	95.1	2.02	30	78 - 126
1,3,5-Trimethylbenzene	10.0	10.3	103	2.36	30	80 - 131
1,3-Dichlorobenzene	10.0	9.71	97.1	0.516	30	86 - 122
1,3-Dichloropropane	10.0	9.64	96.4	0.416	30	81 - 125
1,4-Dichlorobenzene	10.0	9.68	96.8	0.622	30	85 - 124
2,2-Dichloropropane	10.0	10.9	109	0.0920	30	56 - 150
2-Chlorotoluene	10.0	9.43	94.3	0.852	30	79 - 130
2-Hexanone	10.0	8.95	89.5	7.94	30	51 - 146
4-Chlorotoluene	10.0	9.47	94.7	1.49	30	79 - 128
Acetone	10.0	8.59	85.9	23.9	30	14 - 150
Benzene	10.0	10.6	106	2.19	30	85 - 126
Bromobenzene	10.0	9.72	97.2	2.92	30	78 - 129
Bromochloromethane	10.0	9.93	99.3	0.101	30	77 - 128
Bromodichloromethane	10.0	10.0	100	1.81	30	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61178Laboratory ID: BI61178-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Bromoform	10.0	9.86	98.6	0.304	30	78 - 133
Bromomethane	10.0	6.14	61.4	5.52	30	43 - 168
Carbon tetrachloride	10.0	11.2	112	2.26	30	77 - 141
Chlorobenzene	10.0	9.61	96.1	2.21	30	88 - 120
Chloroethane	10.0	9.87	98.7	1.51	30	65 - 136
Chloroform	10.0	10.8	108	2.43	30	82 - 128
Chloromethane	10.0	6.04	60.4	7.56	30	43 - 155
cis-1,2-Dichloroethylene	10.0	10.2	102	0.984	30	83 - 129
cis-1,3-Dichloropropylene	10.0	9.73	97.3	1.87	30	80 - 131
Dibromochloromethane	10.0	9.89	98.9	1.32	30	80 - 130
Dibromomethane	10.0	10.6	106	0.951	30	72 - 134
Dichlorodifluoromethane	10.0	10.4	104	0.673	30	44 - 144
Ethyl Benzene	10.0	10.1	101	2.31	30	80 - 131
Hexachlorobutadiene	10.0	9.79	97.9	1.96	30	67 - 146
Isopropylbenzene	10.0	9.71	97.1	2.71	30	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	10.2	102	1.39	30	76 - 135
Methylene chloride	10.0	9.23	92.3	1.86	30	55 - 137
Naphthalene	10.0	9.47	94.7	0.317	30	70 - 147
n-Butylbenzene	10.0	10.0	100	1.21	30	79 - 132
n-Propylbenzene	10.0	9.60	96.0	2.32	30	78 - 133
o-Xylene	10.0	9.65	96.5	1.88	30	78 - 130
p- & m- Xylenes	20.0	20.2	101	1.80	30	77 - 133
p-Isopropyltoluene	10.0	10.4	104	1.55	30	81 - 136
sec-Butylbenzene	10.0	9.38	93.8	1.07	30	79 - 137
Styrene	10.0	10.7	107	0.282	30	67 - 132
tert-Butylbenzene	10.0	9.75	97.5	3.23	30	77 - 138
Tetrachloroethylene	10.0	9.14	91.4	17.0	30	82 - 131
Toluene	10.0	9.97	99.7	2.23	30	80 - 127
trans-1,2-Dichloroethylene	10.0	10.4	104	2.05	30	80 - 132
trans-1,3-Dichloropropylene	10.0	9.40	94.0	0.426	30	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory:York Analytical Laboratories, Inc.

SDG:16I0590

Client:Leggette Brashears & Graham Shelton Office

Project:Rowe Industries

Matrix:Water

Batch:BI61178

Laboratory ID:BI61178-BSD1

Preparation:EPA 5030B

Initial/Final:25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Trichloroethylene	10.0	10.2	102	3.20	30	82 - 128
Trichlorofluoromethane	10.0	11.1	111	0.902	30	67 - 139
Vinyl Chloride	10.0	9.60	96.0	2.21	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61179Laboratory ID: BI61179-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	9.88	98.8	82 - 126
1,1,1-Trichloroethane	10.0	11.2	112	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.20	92.0	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	10.2	102	54 - 165
1,1,2-Trichloroethane	10.0	9.92	99.2	82 - 123
1,1-Dichloroethane	10.0	10.8	108	82 - 129
1,1-Dichloroethylene	10.0	10.3	103	68 - 138
1,1-Dichloropropylene	10.0	10.7	107	83 - 133
1,2,3-Trichlorobenzene	10.0	9.34	93.4	76 - 136
1,2,3-Trichloropropane	10.0	9.86	98.6	77 - 128
1,2,4-Trichlorobenzene	10.0	9.72	97.2	76 - 137
1,2,4-Trimethylbenzene	10.0	10.1	101	82 - 132
1,2-Dibromo-3-chloropropane	10.0	8.98	89.8	45 - 147
1,2-Dibromoethane	10.0	9.91	99.1	83 - 124
1,2-Dichlorobenzene	10.0	9.37	93.7	79 - 123
1,2-Dichloroethane	10.0	10.8	108	73 - 132
1,2-Dichloropropane	10.0	9.38	93.8	78 - 126
1,3,5-Trimethylbenzene	10.0	10.2	102	80 - 131
1,3-Dichlorobenzene	10.0	9.69	96.9	86 - 122
1,3-Dichloropropane	10.0	9.70	97.0	81 - 125
1,4-Dichlorobenzene	10.0	9.62	96.2	85 - 124
2,2-Dichloropropane	10.0	8.84	88.4	56 - 150
2-Chlorotoluene	10.0	9.42	94.2	79 - 130
2-Hexanone	10.0	8.19	81.9	51 - 146
4-Chlorotoluene	10.0	9.41	94.1	79 - 128
Acetone	10.0	8.71	87.1	14 - 150
Benzene	10.0	10.7	107	85 - 126
Bromobenzene	10.0	9.43	94.3	78 - 129
Bromochloromethane	10.0	10.2	102	77 - 128
Bromodichloromethane	10.0	9.85	98.5	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61179Laboratory ID: BI61179-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Bromoform	10.0	10.0	100	78 - 133
Bromomethane	10.0	9.54	95.4	43 - 168
Carbon tetrachloride	10.0	11.4	114	77 - 141
Chlorobenzene	10.0	9.49	94.9	88 - 120
Chloroethane	10.0	10.1	101	65 - 136
Chloroform	10.0	11.0	110	82 - 128
Chloromethane	10.0	6.30	63.0	43 - 155
cis-1,2-Dichloroethylene	10.0	10.2	102	83 - 129
cis-1,3-Dichloropropylene	10.0	9.32	93.2	80 - 131
Dibromochloromethane	10.0	9.85	98.5	80 - 130
Dibromomethane	10.0	10.6	106	72 - 134
Dichlorodifluoromethane	10.0	10.7	107	44 - 144
Ethyl Benzene	10.0	9.98	99.8	80 - 131
Hexachlorobutadiene	10.0	9.58	95.8	67 - 146
Isopropylbenzene	10.0	9.61	96.1	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	10.3	103	76 - 135
Methylene chloride	10.0	9.33	93.3	55 - 137
Naphthalene	10.0	9.30	93.0	70 - 147
n-Butylbenzene	10.0	9.78	97.8	79 - 132
n-Propylbenzene	10.0	9.43	94.3	78 - 133
o-Xylene	10.0	9.52	95.2	78 - 130
p- & m- Xylenes	20.0	20.1	100	77 - 133
p-Isopropyltoluene	10.0	10.1	101	81 - 136
sec-Butylbenzene	10.0	9.26	92.6	79 - 137
Styrene	10.0	10.6	106	67 - 132
tert-Butylbenzene	10.0	9.67	96.7	77 - 138
Tetrachloroethylene	10.0	12.6	126	82 - 131
Toluene	10.0	9.94	99.4	80 - 127
trans-1,2-Dichloroethylene	10.0	10.5	105	80 - 132
trans-1,3-Dichloropropylene	10.0	9.02	90.2	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590

Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe Industries

Matrix: Water

Batch: BI61179Laboratory ID: BI61179-BS1

Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Trichloroethylene	10.0	10.2	102	82 - 128
Trichlorofluoromethane	10.0	11.6	116	67 - 139
Vinyl Chloride	10.0	9.78	97.8	58 - 145

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61179Laboratory ID: BI61179-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	10.0	10.1	101	2.20	30	82 - 126
1,1,1-Trichloroethane	10.0	11.1	111	0.990	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.17	91.7	0.327	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.4	104	2.13	30	54 - 165
1,1,2-Trichloroethane	10.0	9.96	99.6	0.402	30	82 - 123
1,1-Dichloroethane	10.0	10.7	107	0.934	30	82 - 129
1,1-Dichloroethylene	10.0	10.4	104	1.15	30	68 - 138
1,1-Dichloropropylene	10.0	10.4	104	2.27	30	83 - 133
1,2,3-Trichlorobenzene	10.0	9.57	95.7	2.43	30	76 - 136
1,2,3-Trichloropropane	10.0	9.70	97.0	1.64	30	77 - 128
1,2,4-Trichlorobenzene	10.0	9.74	97.4	0.206	30	76 - 137
1,2,4-Trimethylbenzene	10.0	10.0	100	1.09	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	9.22	92.2	2.64	30	45 - 147
1,2-Dibromoethane	10.0	10.1	101	1.60	30	83 - 124
1,2-Dichlorobenzene	10.0	9.29	92.9	0.857	30	79 - 123
1,2-Dichloroethane	10.0	10.8	108	0.0923	30	73 - 132
1,2-Dichloropropane	10.0	9.50	95.0	1.27	30	78 - 126
1,3,5-Trimethylbenzene	10.0	10.1	101	1.68	30	80 - 131
1,3-Dichlorobenzene	10.0	9.59	95.9	1.04	30	86 - 122
1,3-Dichloropropane	10.0	9.73	97.3	0.309	30	81 - 125
1,4-Dichlorobenzene	10.0	9.49	94.9	1.36	30	85 - 124
2,2-Dichloropropane	10.0	8.68	86.8	1.83	30	56 - 150
2-Chlorotoluene	10.0	9.26	92.6	1.71	30	79 - 130
2-Hexanone	10.0	8.61	86.1	5.00	30	51 - 146
4-Chlorotoluene	10.0	9.34	93.4	0.747	30	79 - 128
Acetone	10.0	7.96	79.6	9.00	30	14 - 150
Benzene	10.0	10.8	108	0.558	30	85 - 126
Bromobenzene	10.0	9.55	95.5	1.26	30	78 - 129
Bromochloromethane	10.0	10.0	100	1.49	30	77 - 128
Bromodichloromethane	10.0	10.0	100	1.61	30	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61179Laboratory ID: BI61179-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Bromoform	10.0	10.1	101	0.893	30	78 - 133
Bromomethane	10.0	10.4	104	8.72	30	43 - 168
Carbon tetrachloride	10.0	11.2	112	1.76	30	77 - 141
Chlorobenzene	10.0	9.56	95.6	0.735	30	88 - 120
Chloroethane	10.0	10.2	102	0.889	30	65 - 136
Chloroform	10.0	11.0	110	0.0909	30	82 - 128
Chloromethane	10.0	6.22	62.2	1.28	30	43 - 155
cis-1,2-Dichloroethylene	10.0	10.1	101	0.692	30	83 - 129
cis-1,3-Dichloropropylene	10.0	9.37	93.7	0.535	30	80 - 131
Dibromochloromethane	10.0	9.96	99.6	1.11	30	80 - 130
Dibromomethane	10.0	10.5	105	0.663	30	72 - 134
Dichlorodifluoromethane	10.0	10.4	104	3.61	30	44 - 144
Ethyl Benzene	10.0	10.0	100	0.699	30	80 - 131
Hexachlorobutadiene	10.0	9.55	95.5	0.314	30	67 - 146
Isopropylbenzene	10.0	9.51	95.1	1.05	30	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	10.3	103	0.583	30	76 - 135
Methylene chloride	10.0	9.39	93.9	0.641	30	55 - 137
Naphthalene	10.0	9.35	93.5	0.536	30	70 - 147
n-Butylbenzene	10.0	9.56	95.6	2.28	30	79 - 132
n-Propylbenzene	10.0	9.29	92.9	1.50	30	78 - 133
o-Xylene	10.0	9.55	95.5	0.315	30	78 - 130
p- & m- Xylenes	20.0	20.1	100	0.0498	30	77 - 133
p-Isopropyltoluene	10.0	10.1	101	0.494	30	81 - 136
sec-Butylbenzene	10.0	9.13	91.3	1.41	30	79 - 137
Styrene	10.0	10.8	108	1.69	30	67 - 132
tert-Butylbenzene	10.0	9.46	94.6	2.20	30	77 - 138
Tetrachloroethylene	10.0	11.3	113	10.8	30	82 - 131
Toluene	10.0	9.97	99.7	0.301	30	80 - 127
trans-1,2-Dichloroethylene	10.0	10.4	104	1.05	30	80 - 132
trans-1,3-Dichloropropylene	10.0	9.14	91.4	1.32	30	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory:York Analytical Laboratories, Inc.SDG:16I0590

Client:Leggette Brashears & Graham Shelton OfficeProject:Rowe Industries

Matrix:Water

Batch:BI61179Laboratory ID:BI61179-BSD1

Preparation:EPA 5030BInitial/Final:25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Trichloroethylene	10.0	10.2	102	0.0978	30	82 - 128
Trichlorofluoromethane	10.0	11.5	115	0.777	30	67 - 139
Vinyl Chloride	10.0	9.67	96.7	1.13	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61211Laboratory ID: BI61211-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	9.11	91.1	82 - 126
1,1,1-Trichloroethane	10.0	9.56	95.6	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.88	98.8	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.38	93.8	54 - 165
1,1,2-Trichloroethane	10.0	9.21	92.1	82 - 123
1,1-Dichloroethane	10.0	9.82	98.2	82 - 129
1,1-Dichloroethylene	10.0	9.53	95.3	68 - 138
1,1-Dichloropropylene	10.0	9.62	96.2	83 - 133
1,2,3-Trichlorobenzene	10.0	9.29	92.9	76 - 136
1,2,3-Trichloropropane	10.0	9.70	97.0	77 - 128
1,2,4-Trichlorobenzene	10.0	9.63	96.3	76 - 137
1,2,4-Trimethylbenzene	10.0	10.0	100	82 - 132
1,2-Dibromo-3-chloropropane	10.0	9.94	99.4	45 - 147
1,2-Dibromoethane	10.0	9.27	92.7	83 - 124
1,2-Dichlorobenzene	10.0	8.82	88.2	79 - 123
1,2-Dichloroethane	10.0	9.01	90.1	73 - 132
1,2-Dichloropropane	10.0	9.48	94.8	78 - 126
1,3,5-Trimethylbenzene	10.0	9.90	99.0	80 - 131
1,3-Dichlorobenzene	10.0	9.17	91.7	86 - 122
1,3-Dichloropropane	10.0	9.30	93.0	81 - 125
1,4-Dichlorobenzene	10.0	8.88	88.8	85 - 124
2,2-Dichloropropane	10.0	9.51	95.1	56 - 150
2-Chlorotoluene	10.0	9.41	94.1	79 - 130
2-Hexanone	10.0	2.33	23.3 *	51 - 146
4-Chlorotoluene	10.0	9.44	94.4	79 - 128
Acetone	10.0	7.96	79.6	14 - 150
Benzene	10.0	9.89	98.9	85 - 126
Bromobenzene	10.0	9.88	98.8	78 - 129
Bromochloromethane	10.0	10.3	103	77 - 128
Bromodichloromethane	10.0	9.17	91.7	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61211Laboratory ID: BI61211-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Bromoform	10.0	9.14	91.4	78 - 133
Bromomethane	10.0	2.73	27.3 *	43 - 168
Carbon tetrachloride	10.0	9.40	94.0	77 - 141
Chlorobenzene	10.0	8.88	88.8	88 - 120
Chloroethane	10.0	8.94	89.4	65 - 136
Chloroform	10.0	9.55	95.5	82 - 128
Chloromethane	10.0	7.39	73.9	43 - 155
cis-1,2-Dichloroethylene	10.0	9.56	95.6	83 - 129
cis-1,3-Dichloropropylene	10.0	9.43	94.3	80 - 131
Dibromochloromethane	10.0	9.23	92.3	80 - 130
Dibromomethane	10.0	9.01	90.1	72 - 134
Dichlorodifluoromethane	10.0	7.83	78.3	44 - 144
Ethyl Benzene	10.0	9.78	97.8	80 - 131
Hexachlorobutadiene	10.0	9.42	94.2	67 - 146
Isopropylbenzene	10.0	9.63	96.3	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	9.50	95.0	76 - 135
Methylene chloride	10.0	8.74	87.4	55 - 137
Naphthalene	10.0	9.34	93.4	70 - 147
n-Butylbenzene	10.0	10.0	100	79 - 132
n-Propylbenzene	10.0	9.80	98.0	78 - 133
o-Xylene	10.0	9.21	92.1	78 - 130
p- & m- Xylenes	20.0	19.4	97.0	77 - 133
p-Isopropyltoluene	10.0	9.93	99.3	81 - 136
sec-Butylbenzene	10.0	9.32	93.2	79 - 137
Styrene	10.0	9.99	99.9	67 - 132
tert-Butylbenzene	10.0	9.44	94.4	77 - 138
Tetrachloroethylene	10.0	8.84	88.4	82 - 131
Toluene	10.0	9.43	94.3	80 - 127
trans-1,2-Dichloroethylene	10.0	9.57	95.7	80 - 132
trans-1,3-Dichloropropylene	10.0	9.24	92.4	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory:York Analytical Laboratories, Inc.

SDG:16I0590

Client:Leggette Brashears & Graham Shelton Office

Project:Rowe Industries

Matrix:Water

Batch:BI61211

Laboratory ID:BI61211-BS1

Preparation:EPA 5030B

Initial/Final:25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Trichloroethylene	10.0	8.95	89.5	82 - 128
Trichlorofluoromethane	10.0	9.04	90.4	67 - 139
Vinyl Chloride	10.0	8.45	84.5	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61211Laboratory ID: BI61211-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	10.0	9.56	95.6	4.82	30	82 - 126
1,1,1-Trichloroethane	10.0	9.53	95.3	0.314	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	10.1	101	2.60	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.55	95.5	1.80	30	54 - 165
1,1,2-Trichloroethane	10.0	9.51	95.1	3.21	30	82 - 123
1,1-Dichloroethane	10.0	10.2	102	3.30	30	82 - 129
1,1-Dichloroethylene	10.0	9.61	96.1	0.836	30	68 - 138
1,1-Dichloropropylene	10.0	9.74	97.4	1.24	30	83 - 133
1,2,3-Trichlorobenzene	10.0	9.64	96.4	3.70	30	76 - 136
1,2,3-Trichloropropane	10.0	10.1	101	4.34	30	77 - 128
1,2,4-Trichlorobenzene	10.0	10.1	101	4.37	30	76 - 137
1,2,4-Trimethylbenzene	10.0	10.3	103	3.24	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	9.02	90.2	9.70	30	45 - 147
1,2-Dibromoethane	10.0	9.47	94.7	2.13	30	83 - 124
1,2-Dichlorobenzene	10.0	9.11	91.1	3.23	30	79 - 123
1,2-Dichloroethane	10.0	9.02	90.2	0.111	30	73 - 132
1,2-Dichloropropane	10.0	9.85	98.5	3.83	30	78 - 126
1,3,5-Trimethylbenzene	10.0	10.2	102	2.49	30	80 - 131
1,3-Dichlorobenzene	10.0	9.51	95.1	3.64	30	86 - 122
1,3-Dichloropropane	10.0	9.55	95.5	2.65	30	81 - 125
1,4-Dichlorobenzene	10.0	9.06	90.6	2.01	30	85 - 124
2,2-Dichloropropane	10.0	9.43	94.3	0.845	30	56 - 150
2-Chlorotoluene	10.0	9.83	98.3	4.37	30	79 - 130
2-Hexanone	10.0	2.44	24.4 *	4.61	30	51 - 146
4-Chlorotoluene	10.0	9.80	98.0	3.74	30	79 - 128
Acetone	10.0	7.91	79.1	0.630	30	14 - 150
Benzene	10.0	9.87	98.7	0.202	30	85 - 126
Bromobenzene	10.0	10.1	101	2.00	30	78 - 129
Bromochloromethane	10.0	10.3	103	0.389	30	77 - 128
Bromodichloromethane	10.0	9.41	94.1	2.58	30	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61211Laboratory ID: BI61211-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Bromoform	10.0	9.20	92.0	0.654	30	78 - 133
Bromomethane	10.0	3.57	35.7 *	26.7	30	43 - 168
Carbon tetrachloride	10.0	9.53	95.3	1.37	30	77 - 141
Chlorobenzene	10.0	9.17	91.7	3.21	30	88 - 120
Chloroethane	10.0	8.93	89.3	0.112	30	65 - 136
Chloroform	10.0	9.67	96.7	1.25	30	82 - 128
Chloromethane	10.0	7.60	76.0	2.80	30	43 - 155
cis-1,2-Dichloroethylene	10.0	9.61	96.1	0.522	30	83 - 129
cis-1,3-Dichloropropylene	10.0	9.49	94.9	0.634	30	80 - 131
Dibromochloromethane	10.0	9.28	92.8	0.540	30	80 - 130
Dibromomethane	10.0	9.29	92.9	3.06	30	72 - 134
Dichlorodifluoromethane	10.0	8.03	80.3	2.52	30	44 - 144
Ethyl Benzene	10.0	9.94	99.4	1.62	30	80 - 131
Hexachlorobutadiene	10.0	9.52	95.2	1.06	30	67 - 146
Isopropylbenzene	10.0	9.95	99.5	3.27	30	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	9.80	98.0	3.11	30	76 - 135
Methylene chloride	10.0	8.78	87.8	0.457	30	55 - 137
Naphthalene	10.0	9.61	96.1	2.85	30	70 - 147
n-Butylbenzene	10.0	10.2	102	1.58	30	79 - 132
n-Propylbenzene	10.0	10.1	101	2.72	30	78 - 133
o-Xylene	10.0	9.28	92.8	0.757	30	78 - 130
p- & m- Xylenes	20.0	19.9	99.3	2.39	30	77 - 133
p-Isopropyltoluene	10.0	10.2	102	2.29	30	81 - 136
sec-Butylbenzene	10.0	9.65	96.5	3.48	30	79 - 137
Styrene	10.0	10.3	103	3.44	30	67 - 132
tert-Butylbenzene	10.0	9.81	98.1	3.84	30	77 - 138
Tetrachloroethylene	10.0	8.80	88.0	0.454	30	82 - 131
Toluene	10.0	9.43	94.3	0.00	30	80 - 127
trans-1,2-Dichloroethylene	10.0	9.68	96.8	1.14	30	80 - 132
trans-1,3-Dichloropropylene	10.0	9.52	95.2	2.99	30	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory:York Analytical Laboratories, Inc.

SDG:16I0590

Client:Leggette Brashears & Graham Shelton Office

Project:Rowe Industries

Matrix:Water

Batch:BI61211

Laboratory ID:BI61211-BSD1

Preparation:EPA 5030B

Initial/Final:25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Trichloroethylene	10.0	9.28	92.8	3.62	30	82 - 128
Trichlorofluoromethane	10.0	9.42	94.2	4.12	30	67 - 139
Vinyl Chloride	10.0	8.78	87.8	3.83	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61212Laboratory ID: BI61212-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	9.04	90.4	82 - 126
1,1,1-Trichloroethane	10.0	9.74	97.4	78 - 136
1,1,2,2-Tetrachloroethane	10.0	10.1	101	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.40	94.0	54 - 165
1,1,2-Trichloroethane	10.0	10.2	102	82 - 123
1,1-Dichloroethane	10.0	9.67	96.7	82 - 129
1,1-Dichloroethylene	10.0	9.62	96.2	68 - 138
1,1-Dichloropropylene	10.0	9.32	93.2	83 - 133
1,2,3-Trichlorobenzene	10.0	14.6	146 *	76 - 136
1,2,3-Trichloropropane	10.0	10.4	104	77 - 128
1,2,4-Trichlorobenzene	10.0	12.1	121	76 - 137
1,2,4-Trimethylbenzene	10.0	8.51	85.1	82 - 132
1,2-Dibromo-3-chloropropane	10.0	10.8	108	45 - 147
1,2-Dibromoethane	10.0	10.6	106	83 - 124
1,2-Dichlorobenzene	10.0	8.82	88.2	79 - 123
1,2-Dichloroethane	10.0	9.99	99.9	73 - 132
1,2-Dichloropropane	10.0	9.32	93.2	78 - 126
1,3,5-Trimethylbenzene	10.0	8.42	84.2	80 - 131
1,3-Dichlorobenzene	10.0	8.06	80.6 *	86 - 122
1,3-Dichloropropane	10.0	10.2	102	81 - 125
1,4-Dichlorobenzene	10.0	8.41	84.1 *	85 - 124
2,2-Dichloropropane	10.0	8.93	89.3	56 - 150
2-Chlorotoluene	10.0	8.12	81.2	79 - 130
2-Hexanone	10.0	11.2	112	51 - 146
4-Chlorotoluene	10.0	8.20	82.0	79 - 128
Acetone	10.0	8.88	88.8	14 - 150
Benzene	10.0	9.33	93.3	85 - 126
Bromobenzene	10.0	8.82	88.2	78 - 129
Bromochloromethane	10.0	10.6	106	77 - 128
Bromodichloromethane	10.0	9.85	98.5	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61212Laboratory ID: BI61212-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Bromoform	10.0	11.9	119	78 - 133
Bromomethane	10.0	4.50	45.0	43 - 168
Carbon tetrachloride	10.0	10.3	103	77 - 141
Chlorobenzene	10.0	8.76	87.6 *	88 - 120
Chloroethane	10.0	9.39	93.9	65 - 136
Chloroform	10.0	9.65	96.5	82 - 128
Chloromethane	10.0	2.98	29.8 *	43 - 155
cis-1,2-Dichloroethylene	10.0	9.24	92.4	83 - 129
cis-1,3-Dichloropropylene	10.0	9.44	94.4	80 - 131
Dibromochloromethane	10.0	10.3	103	80 - 130
Dibromomethane	10.0	10.5	105	72 - 134
Dichlorodifluoromethane	10.0	8.54	85.4	44 - 144
Ethyl Benzene	10.0	9.12	91.2	80 - 131
Hexachlorobutadiene	10.0	10.0	100	67 - 146
Isopropylbenzene	10.0	8.28	82.8	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	10.7	107	76 - 135
Methylene chloride	10.0	9.57	95.7	55 - 137
Naphthalene	10.0	13.6	136	70 - 147
n-Butylbenzene	10.0	8.51	85.1	79 - 132
n-Propylbenzene	10.0	8.20	82.0	78 - 133
o-Xylene	10.0	8.60	86.0	78 - 130
p- & m- Xylenes	20.0	17.7	88.6	77 - 133
p-Isopropyltoluene	10.0	8.50	85.0	81 - 136
sec-Butylbenzene	10.0	8.04	80.4	79 - 137
Styrene	10.0	9.57	95.7	67 - 132
tert-Butylbenzene	10.0	8.18	81.8	77 - 138
Tetrachloroethylene	10.0	9.00	90.0	82 - 131
Toluene	10.0	8.92	89.2	80 - 127
trans-1,2-Dichloroethylene	10.0	9.34	93.4	80 - 132
trans-1,3-Dichloropropylene	10.0	9.59	95.9	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590

Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe Industries

Matrix: Water

Batch: BI61212Laboratory ID: BI61212-BS1

Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Trichloroethylene	10.0	8.98	89.8	82 - 128
Trichlorofluoromethane	10.0	11.6	116	67 - 139
Vinyl Chloride	10.0	6.86	68.6	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61212Laboratory ID: BI61212-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	10.0	9.24	92.4	2.19	30	82 - 126
1,1,1-Trichloroethane	10.0	9.82	98.2	0.818	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	10.3	103	1.77	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.41	94.1	0.106	30	54 - 165
1,1,2-Trichloroethane	10.0	10.6	106	3.86	30	82 - 123
1,1-Dichloroethane	10.0	10.0	100	3.65	30	82 - 129
1,1-Dichloroethylene	10.0	9.65	96.5	0.311	30	68 - 138
1,1-Dichloropropylene	10.0	9.41	94.1	0.961	30	83 - 133
1,2,3-Trichlorobenzene	10.0	16.8	168 *	14.1	30	76 - 136
1,2,3-Trichloropropane	10.0	10.3	103	0.580	30	77 - 128
1,2,4-Trichlorobenzene	10.0	13.1	131	8.32	30	76 - 137
1,2,4-Trimethylbenzene	10.0	8.59	85.9	0.936	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	11.3	113	4.35	30	45 - 147
1,2-Dibromoethane	10.0	11.0	110	3.70	30	83 - 124
1,2-Dichlorobenzene	10.0	8.84	88.4	0.227	30	79 - 123
1,2-Dichloroethane	10.0	10.4	104	3.93	30	73 - 132
1,2-Dichloropropane	10.0	9.44	94.4	1.28	30	78 - 126
1,3,5-Trimethylbenzene	10.0	8.41	84.1	0.119	30	80 - 131
1,3-Dichlorobenzene	10.0	8.18	81.8 *	1.48	30	86 - 122
1,3-Dichloropropane	10.0	10.5	105	2.79	30	81 - 125
1,4-Dichlorobenzene	10.0	8.40	84.0 *	0.119	30	85 - 124
2,2-Dichloropropane	10.0	8.81	88.1	1.35	30	56 - 150
2-Chlorotoluene	10.0	8.04	80.4	0.990	30	79 - 130
2-Hexanone	10.0	12.0	120	6.37	30	51 - 146
4-Chlorotoluene	10.0	8.08	80.8	1.47	30	79 - 128
Acetone	10.0	9.85	98.5	10.4	30	14 - 150
Benzene	10.0	9.50	95.0	1.81	30	85 - 126
Bromobenzene	10.0	9.05	90.5	2.57	30	78 - 129
Bromochloromethane	10.0	10.8	108	2.52	30	77 - 128
Bromodichloromethane	10.0	10.2	102	3.49	30	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61212Laboratory ID: BI61212-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Bromoform	10.0	12.3	123	3.31	30	78 - 133
Bromomethane	10.0	10.4	104	79.4 *	30	43 - 168
Carbon tetrachloride	10.0	10.4	104	0.775	30	77 - 141
Chlorobenzene	10.0	8.87	88.7	1.25	30	88 - 120
Chloroethane	10.0	9.27	92.7	1.29	30	65 - 136
Chloroform	10.0	9.91	99.1	2.66	30	82 - 128
Chloromethane	10.0	3.86	38.6 *	25.7	30	43 - 155
cis-1,2-Dichloroethylene	10.0	9.52	95.2	2.99	30	83 - 129
cis-1,3-Dichloropropylene	10.0	9.76	97.6	3.33	30	80 - 131
Dibromochloromethane	10.0	10.7	107	3.82	30	80 - 130
Dibromomethane	10.0	10.8	108	2.45	30	72 - 134
Dichlorodifluoromethane	10.0	8.44	84.4	1.18	30	44 - 144
Ethyl Benzene	10.0	9.17	91.7	0.547	30	80 - 131
Hexachlorobutadiene	10.0	10.7	107	5.98	30	67 - 146
Isopropylbenzene	10.0	8.20	82.0	0.971	30	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	11.3	113	5.56	30	76 - 135
Methylene chloride	10.0	9.89	98.9	3.29	30	55 - 137
Naphthalene	10.0	15.0	150 *	9.72	30	70 - 147
n-Butylbenzene	10.0	8.53	85.3	0.235	30	79 - 132
n-Propylbenzene	10.0	8.15	81.5	0.612	30	78 - 133
o-Xylene	10.0	8.78	87.8	2.07	30	78 - 130
p- & m- Xylenes	20.0	18.1	90.6	2.34	30	77 - 133
p-Isopropyltoluene	10.0	8.48	84.8	0.236	30	81 - 136
sec-Butylbenzene	10.0	7.96	79.6	1.00	30	79 - 137
Styrene	10.0	9.83	98.3	2.68	30	67 - 132
tert-Butylbenzene	10.0	8.10	81.0	0.983	30	77 - 138
Tetrachloroethylene	10.0	9.46	94.6	4.98	30	82 - 131
Toluene	10.0	9.15	91.5	2.55	30	80 - 127
trans-1,2-Dichloroethylene	10.0	9.58	95.8	2.54	30	80 - 132
trans-1,3-Dichloropropylene	10.0	9.83	98.3	2.47	30	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590

Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe Industries

Matrix: Water

Batch: BI61212Laboratory ID: BI61212-BSD1

Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Trichloroethylene	10.0	8.96	89.6	0.223	30	82 - 128
Trichlorofluoromethane	10.0	11.2	112	3.33	30	67 - 139
Vinyl Chloride	10.0	7.01	70.1	2.16	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61289Laboratory ID: BI61289-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	8.68	86.8	82 - 126
1,1,1-Trichloroethane	10.0	9.73	97.3	78 - 136
1,1,2,2-Tetrachloroethane	10.0	8.88	88.8	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.80	98.0	54 - 165
1,1,2-Trichloroethane	10.0	9.11	91.1	82 - 123
1,1-Dichloroethane	10.0	9.86	98.6	82 - 129
1,1-Dichloroethylene	10.0	9.78	97.8	68 - 138
1,1-Dichloropropylene	10.0	9.63	96.3	83 - 133
1,2,3-Trichlorobenzene	10.0	12.0	120	76 - 136
1,2,3-Trichloropropane	10.0	9.20	92.0	77 - 128
1,2,4-Trichlorobenzene	10.0	10.5	105	76 - 137
1,2,4-Trimethylbenzene	10.0	8.90	89.0	82 - 132
1,2-Dibromo-3-chloropropane	10.0	8.52	85.2	45 - 147
1,2-Dibromoethane	10.0	9.38	93.8	83 - 124
1,2-Dichlorobenzene	10.0	8.54	85.4	79 - 123
1,2-Dichloroethane	10.0	9.39	93.9	73 - 132
1,2-Dichloropropane	10.0	8.94	89.4	78 - 126
1,3,5-Trimethylbenzene	10.0	8.95	89.5	80 - 131
1,3-Dichlorobenzene	10.0	8.24	82.4 *	86 - 122
1,3-Dichloropropane	10.0	9.28	92.8	81 - 125
1,4-Dichlorobenzene	10.0	8.36	83.6 *	85 - 124
2,2-Dichloropropane	10.0	9.23	92.3	56 - 150
2-Chlorotoluene	10.0	8.43	84.3	79 - 130
2-Hexanone	10.0	8.93	89.3	51 - 146
4-Chlorotoluene	10.0	8.38	83.8	79 - 128
Acetone	10.0	7.58	75.8	14 - 150
Benzene	10.0	9.36	93.6	85 - 126
Bromobenzene	10.0	8.83	88.3	78 - 129
Bromochloromethane	10.0	10.1	101	77 - 128
Bromodichloromethane	10.0	9.38	93.8	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61289Laboratory ID: BI61289-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Bromoform	10.0	9.86	98.6	78 - 133
Bromomethane	10.0	4.84	48.4	43 - 168
Carbon tetrachloride	10.0	10.3	103	77 - 141
Chlorobenzene	10.0	8.62	86.2 *	88 - 120
Chloroethane	10.0	9.08	90.8	65 - 136
Chloroform	10.0	9.61	96.1	82 - 128
Chloromethane	10.0	1.34	13.4 *	43 - 155
cis-1,2-Dichloroethylene	10.0	9.34	93.4	83 - 129
cis-1,3-Dichloropropylene	10.0	8.91	89.1	80 - 131
Dibromochloromethane	10.0	9.25	92.5	80 - 130
Dibromomethane	10.0	9.62	96.2	72 - 134
Dichlorodifluoromethane	10.0	7.49	74.9	44 - 144
Ethyl Benzene	10.0	9.05	90.5	80 - 131
Hexachlorobutadiene	10.0	10.8	108	67 - 146
Isopropylbenzene	10.0	8.80	88.0	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	9.59	95.9	76 - 135
Methylene chloride	10.0	9.57	95.7	55 - 137
Naphthalene	10.0	10.2	102	70 - 147
n-Butylbenzene	10.0	8.92	89.2	79 - 132
n-Propylbenzene	10.0	8.59	85.9	78 - 133
o-Xylene	10.0	8.52	85.2	78 - 130
p- & m- Xylenes	20.0	17.8	88.8	77 - 133
p-Isopropyltoluene	10.0	8.91	89.1	81 - 136
sec-Butylbenzene	10.0	8.37	83.7	79 - 137
Styrene	10.0	9.29	92.9	67 - 132
tert-Butylbenzene	10.0	8.75	87.5	77 - 138
Tetrachloroethylene	10.0	9.10	91.0	82 - 131
Toluene	10.0	8.96	89.6	80 - 127
trans-1,2-Dichloroethylene	10.0	9.61	96.1	80 - 132
trans-1,3-Dichloropropylene	10.0	8.68	86.8	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory:York Analytical Laboratories, Inc.

SDG:16I0590

Client:Leggette Brashears & Graham Shelton Office

Project:Rowe Industries

Matrix:Water

Batch:BI61289

Laboratory ID:BI61289-BS1

Preparation:EPA 5030B

Initial/Final:25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Trichloroethylene	10.0	8.94	89.4	82 - 128
Trichlorofluoromethane	10.0	10.8	108	67 - 139
Vinyl Chloride	10.0	5.19	51.9 *	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61289Laboratory ID: BI61289-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	10.0	8.86	88.6	2.05	30	82 - 126
1,1,1-Trichloroethane	10.0	9.48	94.8	2.60	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.18	91.8	3.32	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.33	93.3	4.91	30	54 - 165
1,1,2-Trichloroethane	10.0	9.42	94.2	3.35	30	82 - 123
1,1-Dichloroethane	10.0	9.74	97.4	1.22	30	82 - 129
1,1-Dichloroethylene	10.0	9.54	95.4	2.48	30	68 - 138
1,1-Dichloropropylene	10.0	9.35	93.5	2.95	30	83 - 133
1,2,3-Trichlorobenzene	10.0	14.1	141 *	16.1	30	76 - 136
1,2,3-Trichloropropane	10.0	9.51	95.1	3.31	30	77 - 128
1,2,4-Trichlorobenzene	10.0	11.7	117	11.2	30	76 - 137
1,2,4-Trimethylbenzene	10.0	9.09	90.9	2.11	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	8.82	88.2	3.46	30	45 - 147
1,2-Dibromoethane	10.0	9.60	96.0	2.32	30	83 - 124
1,2-Dichlorobenzene	10.0	8.71	87.1	1.97	30	79 - 123
1,2-Dichloroethane	10.0	9.65	96.5	2.73	30	73 - 132
1,2-Dichloropropane	10.0	9.01	90.1	0.780	30	78 - 126
1,3,5-Trimethylbenzene	10.0	9.07	90.7	1.33	30	80 - 131
1,3-Dichlorobenzene	10.0	8.35	83.5 *	1.33	30	86 - 122
1,3-Dichloropropane	10.0	9.53	95.3	2.66	30	81 - 125
1,4-Dichlorobenzene	10.0	8.59	85.9	2.71	30	85 - 124
2,2-Dichloropropane	10.0	8.97	89.7	2.86	30	56 - 150
2-Chlorotoluene	10.0	8.60	86.0	2.00	30	79 - 130
2-Hexanone	10.0	9.03	90.3	1.11	30	51 - 146
4-Chlorotoluene	10.0	8.59	85.9	2.47	30	79 - 128
Acetone	10.0	7.49	74.9	1.19	30	14 - 150
Benzene	10.0	9.44	94.4	0.851	30	85 - 126
Bromobenzene	10.0	9.10	91.0	3.01	30	78 - 129
Bromochloromethane	10.0	10.1	101	0.495	30	77 - 128
Bromodichloromethane	10.0	9.57	95.7	2.01	30	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61289Laboratory ID: BI61289-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Bromoform	10.0	10.0	100	1.41	30	78 - 133
Bromomethane	10.0	5.92	59.2	20.1	30	43 - 168
Carbon tetrachloride	10.0	10.2	102	1.47	30	77 - 141
Chlorobenzene	10.0	8.74	87.4 *	1.38	30	88 - 120
Chloroethane	10.0	8.87	88.7	2.34	30	65 - 136
Chloroform	10.0	9.71	97.1	1.04	30	82 - 128
Chloromethane	10.0	1.72	17.2 *	24.8	30	43 - 155
cis-1,2-Dichloroethylene	10.0	9.33	93.3	0.107	30	83 - 129
cis-1,3-Dichloropropylene	10.0	9.19	91.9	3.09	30	80 - 131
Dibromochloromethane	10.0	9.39	93.9	1.50	30	80 - 130
Dibromomethane	10.0	9.84	98.4	2.26	30	72 - 134
Dichlorodifluoromethane	10.0	7.05	70.5	6.05	30	44 - 144
Ethyl Benzene	10.0	9.12	91.2	0.770	30	80 - 131
Hexachlorobutadiene	10.0	11.8	118	9.56	30	67 - 146
Isopropylbenzene	10.0	8.86	88.6	0.680	30	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	9.66	96.6	0.727	30	76 - 135
Methylene chloride	10.0	9.43	94.3	1.47	30	55 - 137
Naphthalene	10.0	11.8	118	14.5	30	70 - 147
n-Butylbenzene	10.0	9.23	92.3	3.42	30	79 - 132
n-Propylbenzene	10.0	8.70	87.0	1.27	30	78 - 133
o-Xylene	10.0	8.57	85.7	0.585	30	78 - 130
p- & m- Xylenes	20.0	18.0	89.8	1.12	30	77 - 133
p-Isopropyltoluene	10.0	9.07	90.7	1.78	30	81 - 136
sec-Butylbenzene	10.0	8.53	85.3	1.89	30	79 - 137
Styrene	10.0	9.45	94.5	1.71	30	67 - 132
tert-Butylbenzene	10.0	8.71	87.1	0.458	30	77 - 138
Tetrachloroethylene	10.0	8.97	89.7	1.44	30	82 - 131
Toluene	10.0	9.04	90.4	0.889	30	80 - 127
trans-1,2-Dichloroethylene	10.0	9.54	95.4	0.731	30	80 - 132
trans-1,3-Dichloropropylene	10.0	8.96	89.6	3.17	30	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory:York Analytical Laboratories, Inc.SDG:16I0590

Client:Leggette Brashears & Graham Shelton OfficeProject:Rowe Industries

Matrix:Water

Batch:BI61289Laboratory ID:BI61289-BSD1

Preparation:EPA 5030BInitial/Final:25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Trichloroethylene	10.0	9.00	90.0	0.669	30	82 - 128
Trichlorofluoromethane	10.0	10.3	103	4.84	30	67 - 139
Vinyl Chloride	10.0	5.03	50.3 *	3.13	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM I**METHOD BLANK DATA SHEET****EPA 8260C**

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
Matrix: Water Laboratory ID: BI61100-BLK1 File ID: V710653.D
Prepared: 09/22/16 20:06 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
Analyzed: 09/22/16 22:39 Instrument: MSVOA7
Batch: BI61100 Sequence: Y612626 Calibration: Y160009

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
563-58-6	1,1-Dichloropropylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
591-78-6	2-Hexanone	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
67-64-1	Acetone	2.0	U
71-43-2	Benzene	0.50	U
108-86-1	Bromobenzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U

FORM I

METHOD BLANK DATA SHEET
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: BI61100-BLK1 File ID: V710653.D
 Prepared: 09/22/16 20:06 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Analyzed: 09/22/16 22:39 Instrument: MSVOA7
 Batch: BI61100 Sequence: Y612626 Calibration: YI60009

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-25-2	Bromoform	0.50	U
74-83-9	Bromomethane	2.0	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
75-09-2	Methylene chloride	1.2	J
91-20-3	Naphthalene	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U

FORM I

METHOD BLANK DATA SHEET
EPA 8260C

Laboratory:

York Analytical Laboratories, Inc.

SDG:

1610590

Client:

Leggette Brashears & Graham Shelton Office

Project:

Rowe Industries

Matrix:

Water

Laboratory ID:

BI61100-BLK1

File ID:

V710653.D

Prepared:

09/22/16 20:06

Preparation:

EPA 5030B

Initial/Final:

25 mL / 25 mL

Analyzed:

09/22/16 22:39

Instrument:

MSVOA7

Batch:

BI61100

Sequence:

Y6I2626

Calibration:

YI60009

CAS NO.	COMPOUND	CONC. (ug/L)	Q
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.2	102	69 - 130	
Toluene-d8	10.0	9.81	98.1	81 - 117	
p-Bromofluorobenzene	10.0	9.96	99.6	79 - 122	

FORM I

METHOD BLANK DATA SHEET
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: BI61178-BLK1 File ID: V710652.D
 Prepared: 09/23/16 17:59 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Analyzed: 09/23/16 21:17 Instrument: MSVOA7
 Batch: BI61178 Sequence: Y612617 Calibration: Y160009

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
563-58-6	1,1-Dichloropropylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
591-78-6	2-Hexanone	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
67-64-1	Acetone	2.0	U
71-43-2	Benzene	0.50	U
108-86-1	Bromobenzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U

FORM I

METHOD BLANK DATA SHEET
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: BI61178-BLK1 File ID: V710652.D
 Prepared: 09/23/16 17:59 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Analyzed: 09/23/16 21:17 Instrument: MSVOA7
 Batch: BI61178 Sequence: Y612617 Calibration: YI60009

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-25-2	Bromoform	0.50	U
74-83-9	Bromomethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
75-09-2	Methylene chloride	2.0	U
91-20-3	Naphthalene	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U

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EPA 8260C

CAS NO.	COMPOUND	CONC. (ug/L)	Q
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

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FORM I**METHOD BLANK DATA SHEET
EPA 8260C**

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
Matrix: Water Laboratory ID: BI61179-BLK1 File ID: V710674.D
Prepared: 09/23/16 18:02 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
Analyzed: 09/24/16 06:48 Instrument: MSVOA7
Batch: BI61179 Sequence: Y612702 Calibration: Y160009

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
563-58-6	1,1-Dichloropropylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
591-78-6	2-Hexanone	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
67-64-1	Acetone	2.0	U
71-43-2	Benzene	0.50	U
108-86-1	Bromobenzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U

FORM I

METHOD BLANK DATA SHEET
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: BI61179-BLK1 File ID: V710674.D
 Prepared: 09/23/16 18:02 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Analyzed: 09/24/16 06:48 Instrument: MSVOA7
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-25-2	Bromoform	0.50	U
74-83-9	Bromomethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
75-09-2	Methylene chloride	2.0	U
91-20-3	Naphthalene	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:York Analytical Laboratories, Inc.SDG:16I0590

Client:Leggette Brashears & Graham Shelton OfficeProject:Rowe Industries

Matrix:WaterLaboratory ID:BI61179-BLK1File ID:V710674.D

Prepared:09/23/16 18:02Preparation:EPA 5030BInitial/Final:25 mL / 25 mL

Analyzed:09/24/16 06:48Instrument:MSVOA7

Batch:BI61179Sequence:Y6I2702Calibration:YI60009

CAS NO.	COMPOUND	CONC. (ug/L)	Q
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.1	101	69 - 130	
Toluene-d8	10.0	9.72	97.2	81 - 117	
p-Bromofluorobenzene	10.0	10.1	101	79 - 122	

FORM I**METHOD BLANK DATA SHEET
EPA 8260C**

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
Matrix: Water Laboratory ID: BI61211-BLK1 File ID: V6020207.D
Prepared: 09/26/16 08:39 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
Analyzed: 09/26/16 13:13 Instrument: MSVOA6
Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
563-58-6	1,1-Dichloropropylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
591-78-6	2-Hexanone	2.0	U
106-43-4	4-Chlorotoluene	0.50	U
67-64-1	Acetone	2.0	U
71-43-2	Benzene	0.50	U
108-86-1	Bromobenzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U

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METHOD BLANK DATA SHEET
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: BI61211-BLK1 File ID: V6020207.D
 Prepared: 09/26/16 08:39 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Analyzed: 09/26/16 13:13 Instrument: MSVOA6
 Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-25-2	Bromoform	0.50	U
74-83-9	Bromomethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
75-09-2	Methylene chloride	2.0	U
91-20-3	Naphthalene	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U

FORM I

METHOD BLANK DATA SHEET
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590

Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries

Matrix: Water Laboratory ID: BI61211-BLK1 File ID: V6020207.D

Prepared: 09/26/16 08:39 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Analyzed: 09/26/16 13:13 Instrument: MSVOA6

Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED

CAS NO.	COMPOUND	CONC. (ug/L)	Q
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	9.52	95.2	69 - 130	
Toluene-d8	10.0	10.3	103	81 - 117	
p-Bromofluorobenzene	10.0	10.0	100	79 - 122	

FORM I**METHOD BLANK DATA SHEET
EPA 8260C**

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
Matrix: Water Laboratory ID: BI61212-BLK1 File ID: V8003746.D
Prepared: 09/26/16 08:33 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
Analyzed: 09/26/16 17:17 Instrument: VOA No. 8
Batch: BI61212 Sequence: Y612703 Calibration: Y160005

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
563-58-6	1,1-Dichloropropylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
591-78-6	2-Hexanone	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
67-64-1	Acetone	1.1	J
71-43-2	Benzene	0.50	U
108-86-1	Bromobenzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U

FORM I

METHOD BLANK DATA SHEET
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: BI61212-BLK1 File ID: V8003746.D
 Prepared: 09/26/16 08:33 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Analyzed: 09/26/16 17:17 Instrument: VOA No. 8
 Batch: BI61212 Sequence: Y612703 Calibration: YI60005

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-25-2	Bromoform	0.50	U
74-83-9	Bromomethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
75-09-2	Methylene chloride	2.0	U
91-20-3	Naphthalene	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:

York Analytical Laboratories, Inc.

SDG:

1610590

Client:

Leggette Brashears & Graham Shelton Office

Project:

Rowe Industries

Matrix:

Water

Laboratory ID:

BI61212-BLK1

File ID:

V8003746.D

Prepared:

09/26/16 08:33

Preparation:

EPA 5030B

Initial/Final:

25 mL / 25 mL

Analyzed:

09/26/16 17:17

Instrument:

VOA No. 8

Batch:

BI61212

Sequence:

Y612703

Calibration:

YI60005

CAS NO.	COMPOUND	CONC. (ug/L)	Q
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.9	109	69 - 130	
Toluene-d8	10.0	10.1	101	81 - 117	
p-Bromofluorobenzene	10.0	9.99	99.9	79 - 122	

FORM I

METHOD BLANK DATA SHEET
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: BI61289-BLK1 File ID: V8003786.D
 Prepared: 09/27/16 08:02 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Analyzed: 09/27/16 12:35 Instrument: VOA No. 8
 Batch: BI61289 Sequence: Y612713 Calibration: Y160005

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
563-58-6	1,1-Dichloropropylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
591-78-6	2-Hexanone	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
67-64-1	Acetone	2.0	U
71-43-2	Benzene	0.50	U
108-86-1	Bromobenzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U

FORM I

METHOD BLANK DATA SHEET
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: BI61289-BLK1 File ID: V8003786.D
 Prepared: 09/27/16 08:02 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Analyzed: 09/27/16 12:35 Instrument: VOA No. 8
 Batch: BI61289 Sequence: Y612713 Calibration: YI60005

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-25-2	Bromoform	0.50	U
74-83-9	Bromomethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
75-09-2	Methylene chloride	2.0	U
91-20-3	Naphthalene	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U

METHOD BLANK DATA SHEET

EPA 8260C

CAS NO.	COMPOUND	CONC. (ug/L)	Q
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

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FORM IV

PREPARATION BATCH SUMMARY
EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 1610590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Batch: BI61100

Batch Matrix: Water

Preparation: EPA 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
MW-98-01A	16I0590-01	V710664.D	09/22/16 20:06	
MW-98-04B	16I0590-03	V710665.D	09/22/16 20:06	
MW-A	16I0590-04	V710666.D	09/22/16 20:06	
MW-98-05AR	16I0590-05	V710667.D	09/22/16 20:06	
MW-98-05BR	16I0590-06	V710668.D	09/22/16 20:06	
Blank	BI61100-BLK1	V710653.D	09/22/16 20:06	
LCS	BI61100-BS1	V710650.D	09/22/16 20:06	
LCS Dup	BI61100-BSD1	V710651.D	09/22/16 20:06	

FORM IV**PREPARATION BATCH SUMMARY****EPA 8260C**Laboratory: York Analytical Laboratories, Inc.SDG: 1610590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesBatch: BI61178Batch Matrix: WaterPreparation: EPA 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
MW-98-04	1610590-02	V710662.D	09/22/16 08:06	
MW-45A	1610590-07	V710666.D	09/22/16 08:06	
MW-45B	1610590-08	V710667.D	09/22/16 08:06	
MW-58B	1610590-19	V710668.D	09/22/16 08:06	
Blank	BI61178-BLK1	V710652.D	09/23/16 17:59	
LCS	BI61178-BS1	V710650.D	09/23/16 17:59	
LCS Dup	BI61178-BSD1	V710651.D	09/23/16 17:59	
MW-98-04	BI61178-MS1	V710663.D	09/23/16 17:59	
MW-98-04	BI61178-MSD1	V710664.D	09/23/16 17:59	

FORM IV**PREPARATION BATCH SUMMARY****EPA 8260C**Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesBatch: BI61179 Batch Matrix: WaterPreparation: EPA 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
MW-58A	16I0590-18	V710676.D	09/23/16 18:02	
MW-59B	16I0590-20	V710680.D	09/23/16 18:02	
MW-B	16I0590-21	V710681.D	09/23/16 18:02	
MW-42B	16I0590-22	V710682.D	09/23/16 18:02	
MW-43A	16I0590-23	V710683.D	09/23/16 18:02	
MW-43B	16I0590-24	V710684.D	09/23/16 18:02	
MW-43C	16I0590-25	V710685.D	09/23/16 18:02	
MW-53	16I0590-26	V710686.D	09/23/16 18:02	
MW-54	16I0590-27	V710687.D	09/23/16 18:02	
MW-B1	16I0590-28	V710688.D	09/23/16 18:02	
MW-B4	16I0590-29	V710689.D	09/23/16 18:02	
Trip Blank-SA	16I0590-30	V710690.D	09/23/16 18:02	
Trip Blank-BM	16I0590-31	V710691.D	09/23/16 18:02	
Blank	BI61179-BLK1	V710674.D	09/23/16 18:02	
LCS	BI61179-BS1	V710672.D	09/23/16 18:02	
LCS Dup	BI61179-BSD1	V710673.D	09/23/16 18:02	
MW-58A	BI61179-MS1	V710677.D	09/23/16 18:02	
MW-58A	BI61179-MSD1	V710678.D	09/23/16 18:02	

FORM IV**PREPARATION BATCH SUMMARY****EPA 8260C**Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesBatch: BI61211 Batch Matrix: WaterPreparation: EPA 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
MW-52A	16I0590-09	V6020212.D	09/26/16 08:39	
MW-28A	16I0590-10	V6020213.D	09/26/16 08:39	
MW-28B	16I0590-11	V6020214.D	09/26/16 08:39	
MW-44A	16I0590-12	V6020215.D	09/26/16 08:39	
MW-44B	16I0590-13	V6020216.D	09/26/16 08:39	
MW-44C	16I0590-14	V6020217.D	09/26/16 08:39	
MW-47B	16I0590-15	V6020218.D	09/26/16 08:39	
N-32	16I0590-16	V6020219.D	09/26/16 08:39	
Blank	BI61211-BLK1	V6020207.D	09/26/16 08:39	
LCS	BI61211-BS1	V6020205.D	09/26/16 08:39	
LCS Dup	BI61211-BSD1	V6020206.D	09/26/16 08:39	

FORM IV

PREPARATION BATCH SUMMARY
EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 1610590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Batch: BI61212

Batch Matrix: Water

Preparation: EPA 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Field Blank-SA	1610590-32	V8003751.D	09/26/16 08:33	
Field Blank-BM	1610590-33	V8003747.D	09/26/16 08:33	
RW-3	1610590-34	V8003748.D	09/26/16 08:33	
RW-4	1610590-35	V8003749.D	09/26/16 08:33	
RW-6	1610590-36	V8003750.D	09/26/16 08:33	
Blank	BI61212-BLK1	V8003746.D	09/26/16 08:33	
LCS	BI61212-BS1	V8003743.D	09/26/16 08:33	
LCS Dup	BI61212-BSD1	V8003744.D	09/26/16 08:33	

FORM IV

PREPARATION BATCH SUMMARY
EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 1610590

Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe Industries

Batch: BI61289Batch Matrix: WaterPreparation: EPA 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
N-32B	1610590-17	V8003787.D	09/27/16 08:02	From BI61211 by OW on 09/27/2016
Blank	BI61289-BLK1	V8003786.D	09/27/16 08:02	
LCS	BI61289-BS1	V8003783.D	09/27/16 08:02	
LCS Dup	BI61289-BSD1	V8003784.D	09/27/16 08:02	

Form 5A
Volatile Organic Instrument Performance Check
Bromofluorobenzene (BFB)

Lab Name: York Analytical Laboratories, Inc.
 Client: Leggette Brashears & Graham Shelton Office
 Lab File ID: V710480.D
 Instrument ID: VOA No. 7
 Calibration: V7LO0060

SDG: 16I0590
 Project: Rowe Industries
 BFB Injection Date: 09/16/16
 BFB Injection Time: 14:09
 Sequence: QBV7091616A

m/e	Ion Abundance Criteria	% Relative Abundance	
50	15.0-40.0% of mass 95	15.1	
75	30.0-60.0% of mass 95	43.6	
95	Base peak, 100% relative abundance	100.0	
96	5.0-9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.0	81.6 1
174	50.0-100.0% of mass 95	81.6	
175	5.0-9.0% of mass 174	7.5	81.6 1
176	95.0-101.0% of mass 174	97.0	81.6 1
177	5.0-9.0% of mass 176	7.0	97.0 2

1- Value is % mass 174

2-Value is % mass 176

This check applies to the following samples, MS, MSD, blanks and standards

	Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1		VOA CALIBRATION LEVEL 1	V710481.D	09/16/16	14:47
2		VOA CALIBRATION LEVEL 2	V710482.D	09/16/16	15:13
3		VOA CALIBRATION LEVEL 3	V710483.D	09/16/16	15:40
4		VOA CALIBRATION LEVEL 4	V710484.D	09/16/16	16:06
5		VOA CALIBRATION LEVEL 5	V710485.D	09/16/16	16:32
6		VOA CALIBRATION LEVEL 6	V710486.D	09/16/16	16:58
7		VOA CALIBRATION LEVEL 7	V710487.D	09/16/16	17:24
8		VOA CALIBRATION LEVEL 8	V710488.D	09/16/16	17:50
9		VOA CALIBRATION LEVEL 9	V710489.D	09/16/16	18:16
10		ICV 1	V710492.D	09/16/16	19:34
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Form 5A
Volatile Organic Instrument Performance Check
Bromofluorobenzene (BFB)

Lab Name: York Analytical Laboratories, Inc.
 Client: Leggette Brashears & Graham Shelton Office
 Lab File ID: V6019999.D
 Instrument ID: VOA No. 6
 Calibration: V6LO0098

SDG: 16I0590
 Project: Rowe Industries
 BFB Injection Date: 09/09/16
 BFB Injection Time: 13:07
 Sequence: QBV6090916A

m/e	Ion Abundance Criteria	% Relative Abundance	
50	15.0-40.0% of mass 95	21.1	
75	30.0-60.0% of mass 95	55.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0-9.0% of mass 95	6.1	
173	Less than 2.0% of mass 174	0.0	67.1 1
174	50.0-100.0% of mass 95	67.1	
175	5.0-9.0% of mass 174	6.5	67.1 1
176	95.0-101.0% of mass 174	97.1	67.1 1
177	5.0-9.0% of mass 176	7.7	97.1 2

1- Value is % mass 174

2-Value is % mass 176

This check applies to the following samples, MS, MSD, blanks and standards

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VOA CALIBRATION CURVE LEVEL 1	V6020000.D	09/09/16	13:46
2	VOA CALIBRATION CURVE LEVEL 2	V6020001.D	09/09/16	14:26
3	VOA CALIBRATION CURVE LEVEL 3	V6020002.D	09/09/16	15:06
4	VOA CALIBRATION CURVE LEVEL 4	V6020003.D	09/09/16	15:46
5	VOA CALIBRATION CURVE LEVEL 5	V6020004.D	09/09/16	16:26
6	VOA CALIBRATION CURVE LEVEL 6	V6020005.D	09/09/16	17:06
7	VOA CALIBRATION CURVE LEVEL 7	V6020006.D	09/09/16	17:46
8	VOA CALIBRATION CURVE LEVEL 8	V6020007.D	09/09/16	18:25
9	VOA CALIBRATION CURVE LEVEL 9	V6020008.D	09/09/16	19:05
10	ICV	V6020011.D	09/09/16	21:04
11				
12				
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15				
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19				
20				
21				
22				

Form 5A
Volatile Organic Instrument Performance Check
Bromofluorobenzene (BFB)

Lab Name: York Analytical Laboratories, Inc.
 Client : Leggette Brashears & Graham Shelton Office
 Lab File ID: V8003429.D
 Instrument ID: VOA No. 8
 Calibration: V8LO0015

SDG: 16I0590
 Project: Rowe Industries
 BFB Injection Date: 09/14/16
 BFB Injection Time: 13:33
 Sequence: V8091416A

m/e	Ion Abundance Criteria	% Relative Abundance	
50	15.0-40.0% of mass 95	18.3	
75	30.0-60.0% of mass 95	46.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0-9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	85.4 1
174	50.0-100.0% of mass 95	85.4	
175	5.0-9.0% of mass 174	7.2	85.4 1
176	95.0-101.0% of mass 174	98.6	85.4 1
177	5.0-9.0% of mass 176	6.3	98.6 2

1- Value is % mass 174

2-Value is % mass 176

This check applies to the following samples, MS, MSD, blanks and standards

	Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1		VOA CALIBRATION LEVEL 1	V8003430.D	09/14/16	14:01
2		VOA CALIBRATION LEVEL 2	V8003431.D	09/14/16	14:29
3		VOA CALIBRATION LEVEL 3	V8003432.D	09/14/16	14:56
4		VOA CALIBRATION LEVEL 4	V8003433.D	09/14/16	15:24
5		VOA CALIBRATION LEVEL 5	V8003434.D	09/14/16	15:52
6		VOA CALIBRATION LEVEL 6	V8003435.D	09/14/16	16:20
7		VOA CALIBRATION LEVEL 7	V8003436.D	09/14/16	16:48
8		VOA CALIBRATION LEVEL 8	V8003437.D	09/14/16	17:16
9		VOA CALIBRATION LEVEL 9	V8003438.D	09/14/16	17:44
10		ICV 1	V8003441.D	09/14/16	19:07
11					
12					
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14					
15					
16					
17					
18					
19					
20					
21					
22					

Form 5A
Volatile Organic Instrument Performance Check
Bromofluorobenzene (BFB)

Lab Name: York Analytical Laboratories, Inc.
 Client: Leggette Brashears & Graham Shelton Office
 Lab File ID: V710648.D
 Instrument ID: VOA No. 7
 Calibration: V7LO0060

SDG: 16I0590
 Project: Rowe Industries
 BFB Injection Date: 09/22/16
 BFB Injection Time: 20:29
 Sequence: QBV7092216B

m/e	Ion Abundance Criteria	% Relative Abundance	
50	15.0-40.0% of mass 95	15.4	
75	30.0-60.0% of mass 95	43.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0-9.0% of mass 95	7.1	
173	Less than 2.0% of mass 174	0.0	77.2 1
174	50.0-100.0% of mass 95	77.2	
175	5.0-9.0% of mass 174	8.1	77.2 1
176	95.0-101.0% of mass 174	98.7	77.2 1
177	5.0-9.0% of mass 176	7.4	98.7 2

1- Value is % mass 174

2-Value is % mass 176

This check applies to the following samples, MS, MSD, blanks and standards

	Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1		10ppb VOA CAL CHECK	V710649.D	09/22/16	20:55
2		BI61100-BS1	V710650.D	09/22/16	21:21
3		BI61100-BSD1	V710651.D	09/22/16	21:47
4		BI61100-BLK1	V710653.D	09/22/16	22:39
5	MW-98-01A	16I0590-01	V710664.D	09/23/16	3:25
6	MW-98-04B	16I0590-03	V710665.D	09/23/16	3:51
7	MW-A	16I0590-04	V710666.D	09/23/16	4:17
8	MW-98-05AR	16I0590-05	V710667.D	09/23/16	4:43
9	MW-98-05BR	16I0590-06	V710668.D	09/23/16	5:09
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Form 5A
Volatile Organic Instrument Performance Check
Bromofluorobenzene (BFB)

Lab Name: York Analytical Laboratories, Inc.
 Client: Leggette Brashears & Graham Shelton Office
 Lab File ID: V710648.D
 Instrument ID: VOA No. 7
 Calibration: V7LO0060

SDG: 16I0590
 Project: Rowe Industries
 BFB Injection Date: 09/23/16
 BFB Injection Time: 19:33
 Sequence: QBV7092316B

m/e	Ion Abundance Criteria	% Relative Abundance	
50	15.0-40.0% of mass 95	15.1	
75	30.0-60.0% of mass 95	44.0	
95	Base peak, 100% relative abundance	100.0	
96	5.0-9.0% of mass 95	7.0	
173	Less than 2.0% of mass 174	0.0	82.5 1
174	50.0-100.0% of mass 95	82.5	
175	5.0-9.0% of mass 174	8.0	82.5 1
176	95.0-101.0% of mass 174	96.2	82.5 1
177	5.0-9.0% of mass 176	7.5	96.2 2

1- Value is % mass 174

2-Value is % mass 176

This check applies to the following samples, MS, MSD, blanks and standards

	Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1		10ppb VOA CAL CHECK	V710649.D	09/23/16	19:59
2		BI61178-BS1	V710650.D	09/23/16	20:25
3		BI61178-BSD1	V710651.D	09/22/16	20.:51
4		BI61178-BLK1	V710652.D	09/22/16	21:17
5	MW-98-04	16I0590-02	V710662.D	09/23/16	01:36
6	MW-98-04 MS	16I0590-02 MS	V710663.D	09/23/16	02:02
7	MW-98-04 MSD	16I0590-02 MSD	V710664.D	09/23/16	02:28
8	MW-45A	16I0590-07	V710666.D	09/23/16	03:19
9	MW-45B	16I0590-08	V710667.D	09/23/16	03:45
10	MW-58B	16I0590-19	V710668.D	09/23/16	04:11
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Form 5A
Volatile Organic Instrument Performance Check
Bromofluorobenzene (BFB)

Lab Name: York Analytical Laboratories, Inc.
 Client: Leggette Brashears & Graham Shelton Office
 Lab File ID: V710670.D
 Instrument ID: VOA No. 7
 Calibration: V7LO0060

SDG: 16I0590
 Project: Rowe Industries
 BFB Injection Date: 09/24/16
 BFB Injection Time: 05:03
 Sequence: QBV7092316B

m/e	Ion Abundance Criteria	% Relative Abundance	
50	15.0-40.0% of mass 95	15.0	
75	30.0-60.0% of mass 95	43.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0-9.0% of mass 95	7.0	
173	Less than 2.0% of mass 174	0.0	83.9 1
174	50.0-100.0% of mass 95	83.9	
175	5.0-9.0% of mass 174	7.7	83.9 1
176	95.0-101.0% of mass 174	96.5	83.9 1
177	5.0-9.0% of mass 176	7.1	96.5 2

1- Value is % mass 174

2- Value is % mass 176

This check applies to the following samples, MS, MSD, blanks and standards

	Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1		10ppb VOA CAL CHECK	V710671.D	09/24/16	05:30
2		BI61179-BS1	V710672.D	09/24/16	05:56
3		BI61179-BSD1	V710673.D	09/24/16	06:22
4		BI61179-BLK1	V710674.D	09/24/16	06:48
5	MW-58A	16I0590-18	V710676.D	09/24/16	07:40
6	MW-58A MS	BI61179-MS1	V710677.D	09/24/16	08:07
7	MW-58A MSD	BI61179-MSD1	V710678.D	09/24/16	08:32
8	MW-59B	16I0590-20	V710680.D	09/24/16	09:25
9	MW-B	16I0590-21	V710681.D	09/24/16	09:51
10	MW-42B	16I0590-22	V710682.D	09/24/16	10:17
11	MW-43A	16I0590-23	V710683.D	09/24/16	10:44
12	MW-43B	16I0590-24	V710684.D	09/24/16	11:10
13	MW-43C	16I0590-25	V710685.D	09/24/16	11:36
14	MW-53	16I0590-26	V710686.D	09/24/16	12:02
15	MW-54	16I0590-27	V710687.D	09/24/16	12:28
16	MW-B1	16I0590-28	V710688.D	09/24/16	12:54
17	MW-B4	16I0590-29	V710689.D	09/24/16	13:21
18	Trip Blank-SA	16I0590-30	V710690.D	09/24/16	13:46
19	Trip Blank-BM	16I0590-31	V710691.D	09/24/16	14:12
20					
21					
22					

Form 5A
Volatile Organic Instrument Performance Check
Bromofluorobenzene (BFB)

Lab Name: York Analytical Laboratories, Inc.
 Client: Leggette Brashears & Graham Shelton Office
 Lab File ID: V6020202.D
 Instrument ID: VOA No. 6
 Calibration: V6LO0098

SDG: 16I0590
 Project: Rowe Industries
 BFB Injection Date: 09/26/16
 BFB Injection Time: 09:55
 Sequence: QBV6092616A

m/e	Ion Abundance Criteria	% Relative Abundance	
50	15.0-40.0% of mass 95	19.3	
75	30.0-60.0% of mass 95	54.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0-9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.6	64.1 1
174	50.0-100.0% of mass 95	64.1	
175	5.0-9.0% of mass 174	6.3	64.1 1
176	95.0-101.0% of mass 174	95.4	64.1 1
177	5.0-9.0% of mass 176	7.2	95.4 2

1- Value is % mass 174

2-Value is % mass 176

This check applies to the following samples, MS, MSD, blanks and standards

	Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1		10ppb VOA CAL CHECK	V6020014.D	09/09/16	23:02
2		BI61211-BS1	V6020205.D	09/26/16	11:54
3		BI61211-BSD1	V6020206.D	09/26/16	12:34
4		BI61211-BLK1	V6020207.D	09/26/16	13:13
5	MW-52A	16I0590-09	V6020212.D	09/26/16	17:32
6	MW-28A	16I0590-10	V6020213.D	09/26/16	18:12
7	MW-28B	16I0590-11	V6020214.D	09/26/16	18:52
8	MW-44A	16I0590-12	V6020215.D	09/26/16	19:31
9	MW-44B	16I0590-13	V6020216.D	09/26/16	20:10
10	MW-44C	16I0590-14	V6020217.D	09/26/16	20:50
11	MW-47B	16I0590-15	V6020218.D	09/26/16	21:29
12	N-32	16I0590-16	V6020219.D	09/26/16	22:09
13					
14					
15					
16					
17					
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19					
20					
21					
22					

Form 5A
Volatile Organic Instrument Performance Check
Bromofluorobenzene (BFB)

Lab Name: York Analytical Laboratories, Inc.
 Client : Leggette Brashears & Graham Shelton Office
 Lab File ID: V8003741.D
 Instrument ID: VOA No. 8
 Calibration: V8LO0015

SDG: 16I0590
 Project: Rowe Industries
 BFB Injection Date: 09/26/16
 BFB Injection Time: 14:49
 Sequence: V8092616A

m/e	Ion Abundance Criteria	% Relative Abundance	
50	15.0-40.0% of mass 95	32.9	
75	30.0-60.0% of mass 95	57.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0-9.0% of mass 95	7.0	
173	Less than 2.0% of mass 174	0.0	61.8 1
174	50.0-100.0% of mass 95	61.8	
175	5.0-9.0% of mass 174	8.3	61.8 1
176	95.0-101.0% of mass 174	98.8	61.8 1
177	5.0-9.0% of mass 176	6.8	98.8 2

1- Value is % mass 174

2-Value is % mass 176

This check applies to the following samples, MS, MSD, blanks and standards

	Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1		10ppb VOA CAL CHECK	V8003742.D	09/26/16	15:21
2		BI61212-BS1	V8003743.D	9/26/2016	15:54
3		BI61212-BSD1	V8003744.D	9/26/2016	16:21
4		BI61212-BLK1	V8003746.D	9/26/2016	17:17
5	Field Blank-BM	16I0590-33	V8003747.D	09/26/16	17:44
6	RW-3	16I0590-34	V8003748.D	09/26/16	18:12
7	RW-4	16I0590-35	V8003749.D	09/26/16	18:40
8	RW-6	16I0590-36	V8003750.D	09/26/16	19:08
9	Field Blank-SA	16I0590-32	V8003751.D	09/26/16	19:35
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Form 5A
Volatile Organic Instrument Performance Check
Bromofluorobenzene (BFB)

Lab Name: York Analytical Laboratories, Inc.
 Client : Leggette Brashears & Graham Shelton Office
 Lab File ID: V8003781.D
 Instrument ID: VOA No. 8
 Calibration: V8LO0015

SDG: 16I0590
 Project: Rowe Industries
 BFB Injection Date: 09/27/16
 BFB Injection Time: 09:57
 Sequence: V8092716A

m/e	Ion Abundance Criteria	% Relative Abundance	
50	15.0-40.0% of mass 95	18.7	
75	30.0-60.0% of mass 95	48.1	
95	Base peak, 100% relative abundance	100.0	
96	5.0-9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	93.1 1
174	50.0-100.0% of mass 95	93.1	
175	5.0-9.0% of mass 174	7.3	93.1 1
176	95.0-101.0% of mass 174	97.9	93.1 1
177	5.0-9.0% of mass 176	6.8	97.9 2

1- Value is % mass 174

2-Value is % mass 176

This check applies to the following samples, MS, MSD, blanks and standards

	Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1		10ppb VOA CAL CHECK	V8003782.D	09/27/16	10:24
2		BI61289-BS1	V8003783.D	09/27/16	11:12
3		BI61289-BSD1	V8003784.D	09/27/16	11:39
4		BI61289-BLK1	V8003786.D	09/27/16	12:35
5	N-32B	16I0590-17	V8003787.D	09/27/16	13:03
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Form 8A

Lab Name: York Analytical Laboratories, Inc.
Client: Leggette Brashears & Graham Shelton Office
Sequence: QBV7092216B
Calibration: V7LO0060
Lab File ID: V710649.D

SDG: 16I0590
Project: Rowe Industries
Instrument ID: VOA No. 7
Injection Date: 09/22/16
Injection Time: 12:55

[illegible]

IS 1 (FBZ) = Fluorobenzene
IS 2 (CBZ) = Chlorobenzene-d5
IS 3 (DCB) = 1,2-Dichlorobenzene-d4

Area Upper Limit	+100% of internal standard area
Area Lower Limit	-50% of internal standard area
RT Upper Limit	+0.50 minutes of internal standard RT
RT Upper Limit	-0.50 minutes of internal standard RT

* = Values outside of QC limits

Form 8A

SDG: 16I0590
Project: Rowe Industries
Instrument ID: VOA No. 7
Injection Date: 09/23/16
Injection Time: 19:59

Client Sample ID

Area Upper Limit	+100% of internal standard area
Area Lower Limit	-50% of internal standard area
RT Upper Limit	+0.50 minutes of internal standard RT
RT Upper Limit	-0.50 minutes of internal standard RT

Form VIII-VOA
Page 1 of 1

Form 8A
Volatile Internal Standard Area and RT Summary

Lab Name: York Analytical Laboratories, Inc.
 Client: Leggette Brashears & Graham Shelton Office
 Sequence: QBV7092316B
 Calibration: V7LO0060
 Lab File ID: V710671.D

SDG: 16I0590
 Project: Rowe Industries
 Instrument ID: VOA No. 7
 Injection Date: 09/24/16
 Injection Time: 05:30

	IS 1 (FBZ)		IS 2 (CBZ)		IS 3 (DCB)	
	Area	RT	Area	RT	Area	RT
12 Hour Std	61092	5.99	274816	9.02	121542	12.00
Upper Limit	122184	6.49	549632	9.52	243084	12.50
Lower Limit	30546	5.49	137408	8.52	60771	11.50
Client Sample ID						
BI61179-BS1	60818	5.99	277194	9.02	121542	12.00
BI61179-BSD1	61664	5.98	278216	9.02	124058	12.01
BI61179-BLK1	60619	5.99	274213	9.02	114973	12.00
MW-58A	59104	5.99	269627	9.02	114706	12.00
MW-58A MS	60436	5.99	275353	9.02	123940	12.01
MW-58A MSD	59799	5.99	272987	9.02	121809	12.00
MW-59B	58834	5.99	267579	9.02	113072	12.01
MW-B	59799	5.99	271372	9.02	117137	12.00
MW-42B	58123	5.99	266570	9.02	113244	12.00
MW-43A	57710	5.99	266247	9.02	113279	12.01
MW-43B	57649	5.99	265660	9.02	112033	12.00
MW-43C	57922	5.99	266523	9.02	114227	12.01
MW-53	57277	5.99	262764	9.02	110026	12.00
MW-54	57612	5.99	262046	9.02	113303	12.01
MW-B1	56906	5.99	261951	9.02	110835	12.01
MW-B4	57042	5.99	260206	9.02	110041	12.00
Trip Blank-SA	57513	5.99	260372	9.02	110484	12.00
Trip Blank-BM	55984	5.99	255736	9.02	107601	12.00

IS 1 (FBZ) = Fluorobenzene

IS 2 (CBZ) = Chlorobenzene-d5

IS 3 (DCB) = 1,2-Dichlorobenzene-d4

Area Upper Limit +100% of internal standard area

Area Lower Limit -50% of internal standard area

RT Upper Limit +0.50 minutes of internal standard RT

RT Lower Limit -0.50 minutes of internal standard RT

* = Values outside of QC limits

Form 8A
Volatile Internal Standard Area and RT Summary

Lab Name: York Analytical Laboratories, Inc.
 Client: Leggette Brashears & Graham Shelton Office
 Sequence: QBV6092616A
 Calibration: V6LO0098
 Lab File ID: V6020014.D

SDG: 16I0590
 Project: Rowe Industries
 Instrument ID: VOA No. 6
 Injection Date: 09/09/16
 Injection Time: 23:02

	IS 1 (FBZ)		IS 2 (CBZ)		IS 3 (DCB)	
	Area	RT	Area	RT	Area	RT
12 Hour Std	92550	5.74	310297	8.78	118619	11.75
Upper Limit	185100	6.24	620594	9.28	237238	12.25
Lower Limit	46275	5.24	155149	8.28	59310	11.25
Client Sample ID						
BI61211-BS1	92411	5.74	313298	8.78	122172	11.75
BI61211-BSD1	92716	5.74	309229	8.78	119473	11.75
BI61211-BLK1	89577	5.75	288360	8.78	108258	11.75
MW-52A	113447	5.74	367005	8.77	144671	11.74
MW-28A	89504	5.74	293266	8.78	113571	11.75
MW-28B	90871	5.74	291792	8.78	107626	11.74
MW-44A	88544	5.74	281766	8.78	100531	11.75
MW-44B	88436	5.74	287893	8.78	106956	11.75
MW-44C	89361	5.74	281116	8.78	106504	11.75
MW-47B	86510	5.74	282810	8.77	104042	11.75
N-32	90742	5.74	283435	8.77	108478	11.75

IS 1 (FBZ) = Fluorobenzene
 IS 2 (CBZ) = Chlorobenzene-d5
 IS 3 (DCB) = 1,2-Dichlorobenzene-d4

Area Upper Limit +100% of internal standard area
 Area Lower Limit -50% of internal standard area
 RT Upper Limit +0.50 minutes of internal standard RT
 RT Lower Limit -0.50 minutes of internal standard RT

* = Values outside of QC limits

Form 8A

SDG: 16I0590
Project: Rowe Industries
Instrument ID: VOA No. 8
Injection Date: 09/26/16
Injection Time: 15:21

[illegible]

IS 1 (FBZ) = Fluorobenzene
IS 2 (CBZ) = Chlorobenzene-d5
IS 3 (DCB) = 1,2-Dichlorobenzene-d4

Area Upper Limit	+100% of internal standard area
Area Lower Limit	-50% of internal standard area
RT Upper Limit	+0.50 minutes of internal standard RT
RT Lower Limit	-0.50 minutes of internal standard RT

* = Values outside of QC limits

Form 8A

Lab Name: York Analytical Laboratories, Inc.
Client : Leggette Brashears & Graham Shelton Office
Sequence: V8092716A
Calibration: V8LO0015
Lab File ID: V8003782.D

SDG: 16I0590
Project: Rowe Industries
Instrument ID: VOA No. 8
Injection Date: 09/27/16
Injection Time: 10:24

[illegible]

IS 1 (FBZ) = Fluorobenzene
IS 2 (CBZ) = Chlorobenzene-d5
IS 3 (DCB) = 1,2-Dichlorobenzene-d4

Area Upper Limit	+100% of internal standard area
Area Lower Limit	-50% of internal standard area
RT Upper Limit	+0.50 minutes of internal standard RT
RT Upper Limit	-0.50 minutes of internal standard RT

* = Values outside of QC limits

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Matrix: Water

Instrument: MSVOA6

Analyte	LOD	LOQ	Units
1,1,1,2-Tetrachloroethane	0.20	0.50	ug/L
1,1,1-Trichloroethane	0.20	0.50	ug/L
1,1,2,2-Tetrachloroethane	0.20	0.50	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane (Fr	0.20	0.50	ug/L
1,1,2-Trichloroethane	0.20	0.50	ug/L
1,1-Dichloroethane	0.20	0.50	ug/L
1,1-Dichloroethylene	0.20	0.50	ug/L
1,1-Dichloropropylene	0.20	0.50	ug/L
1,2,3-Trichlorobenzene	0.20	0.50	ug/L
1,2,3-Trichloropropane	0.20	0.50	ug/L
1,2,4-Trichlorobenzene	0.20	0.50	ug/L
1,2,4-Trimethylbenzene	0.20	0.50	ug/L
1,2-Dibromo-3-chloropropane	0.20	0.50	ug/L
1,2-Dibromoethane	0.20	0.50	ug/L
1,2-Dichlorobenzene	0.20	0.50	ug/L
1,2-Dichloroethane	0.20	0.50	ug/L
1,2-Dichloropropane	0.20	0.50	ug/L
1,3,5-Trimethylbenzene	0.20	0.50	ug/L
1,3-Dichlorobenzene	0.20	0.50	ug/L
1,3-Dichloropropane	0.20	0.50	ug/L
1,4-Dichlorobenzene	0.20	0.50	ug/L
2,2-Dichloropropane	0.20	0.50	ug/L
2-Chlorotoluene	0.20	0.50	ug/L
2-Hexanone	0.20	0.50	ug/L
4-Chlorotoluene	0.20	0.50	ug/L
Acetone	1.0	2.0	ug/L
Benzene	0.20	0.50	ug/L
Bromobenzene	0.20	0.50	ug/L
Bromochloromethane	0.20	0.50	ug/L
Bromodichloromethane	0.20	0.50	ug/L
Bromoform	0.20	0.50	ug/L
Bromomethane	0.20	0.50	ug/L
Carbon tetrachloride	0.20	0.50	ug/L
Chlorobenzene	0.20	0.50	ug/L
Chloroethane	0.20	0.50	ug/L
Chloroform	0.20	0.50	ug/L
Chloromethane	0.20	0.50	ug/L

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Matrix: Water

Instrument: MSVOA6

Analyte	LOD	LOQ	Units
cis-1,2-Dichloroethylene	0.20	0.50	ug/L
cis-1,3-Dichloropropylene	0.20	0.50	ug/L
Dibromochloromethane	0.20	0.50	ug/L
Dibromomethane	0.20	0.50	ug/L
Dichlorodifluoromethane	0.20	0.50	ug/L
Ethyl Benzene	0.20	0.50	ug/L
Hexachlorobutadiene	0.20	0.50	ug/L
Isopropylbenzene	0.20	0.50	ug/L
Methyl tert-butyl ether (MTBE)	0.20	0.50	ug/L
Methylene chloride	1.0	2.0	ug/L
Naphthalene	1.0	2.0	ug/L
n-Butylbenzene	0.20	0.50	ug/L
n-Propylbenzene	0.20	0.50	ug/L
o-Xylene	0.20	0.50	ug/L
p- & m- Xylenes	0.50	1.0	ug/L
p-Isopropyltoluene	0.20	0.50	ug/L
sec-Butylbenzene	0.20	0.50	ug/L
Styrene	0.20	0.50	ug/L
tert-Butylbenzene	0.20	0.50	ug/L
Tetrachloroethylene	0.20	0.50	ug/L
Toluene	0.20	0.50	ug/L
trans-1,2-Dichloroethylene	0.20	0.50	ug/L
trans-1,3-Dichloropropylene	0.20	0.50	ug/L
Trichloroethylene	0.20	0.50	ug/L
Trichlorofluoromethane	0.20	0.50	ug/L
Vinyl Chloride	0.20	0.50	ug/L
Xylenes, Total	0.60	1.5	ug/L

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Matrix: Water

Instrument: MSVOA7

Analyte	LOD	LOQ	Units
1,1,1,2-Tetrachloroethane	0.20	0.50	ug/L
1,1,1-Trichloroethane	0.20	0.50	ug/L
1,1,2,2-Tetrachloroethane	0.20	0.50	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane (Fr	0.20	0.50	ug/L
1,1,2-Trichloroethane	0.20	0.50	ug/L
1,1-Dichloroethane	0.20	0.50	ug/L
1,1-Dichloroethylene	0.20	0.50	ug/L
1,1-Dichloropropylene	0.20	0.50	ug/L
1,2,3-Trichlorobenzene	0.20	0.50	ug/L
1,2,3-Trichloropropane	0.20	0.50	ug/L
1,2,4-Trichlorobenzene	0.20	0.50	ug/L
1,2,4-Trimethylbenzene	0.20	0.50	ug/L
1,2-Dibromo-3-chloropropane	0.20	0.50	ug/L
1,2-Dibromoethane	0.20	0.50	ug/L
1,2-Dichlorobenzene	0.20	0.50	ug/L
1,2-Dichloroethane	0.20	0.50	ug/L
1,2-Dichloropropane	0.20	0.50	ug/L
1,3,5-Trimethylbenzene	0.20	0.50	ug/L
1,3-Dichlorobenzene	0.20	0.50	ug/L
1,3-Dichloropropane	0.20	0.50	ug/L
1,4-Dichlorobenzene	0.20	0.50	ug/L
2,2-Dichloropropane	0.20	0.50	ug/L
2-Chlorotoluene	0.20	0.50	ug/L
2-Hexanone	0.20	0.50	ug/L
4-Chlorotoluene	0.20	0.50	ug/L
Acetone	1.0	2.0	ug/L
Benzene	0.20	0.50	ug/L
Bromobenzene	0.20	0.50	ug/L
Bromochloromethane	0.20	0.50	ug/L
Bromodichloromethane	0.20	0.50	ug/L
Bromoform	0.20	0.50	ug/L
Bromomethane	0.20	0.50	ug/L
Carbon tetrachloride	0.20	0.50	ug/L
Chlorobenzene	0.20	0.50	ug/L
Chloroethane	0.20	0.50	ug/L
Chloroform	0.20	0.50	ug/L
Chloromethane	0.20	0.50	ug/L

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Matrix: Water

Instrument: MSVOA7

Analyte	LOD	LOQ	Units
cis-1,2-Dichloroethylene	0.20	0.50	ug/L
cis-1,3-Dichloropropylene	0.20	0.50	ug/L
Dibromochloromethane	0.20	0.50	ug/L
Dibromomethane	0.20	0.50	ug/L
Dichlorodifluoromethane	0.20	0.50	ug/L
Ethyl Benzene	0.20	0.50	ug/L
Hexachlorobutadiene	0.20	0.50	ug/L
Isopropylbenzene	0.20	0.50	ug/L
Methyl tert-butyl ether (MTBE)	0.20	0.50	ug/L
Methylene chloride	1.0	2.0	ug/L
Naphthalene	1.0	2.0	ug/L
n-Butylbenzene	0.20	0.50	ug/L
n-Propylbenzene	0.20	0.50	ug/L
o-Xylene	0.20	0.50	ug/L
p- & m- Xylenes	0.50	1.0	ug/L
p-Isopropyltoluene	0.20	0.50	ug/L
sec-Butylbenzene	0.20	0.50	ug/L
Styrene	0.20	0.50	ug/L
tert-Butylbenzene	0.20	0.50	ug/L
Tetrachloroethylene	0.20	0.50	ug/L
Toluene	0.20	0.50	ug/L
trans-1,2-Dichloroethylene	0.20	0.50	ug/L
trans-1,3-Dichloropropylene	0.20	0.50	ug/L
Trichloroethylene	0.20	0.50	ug/L
Trichlorofluoromethane	0.20	0.50	ug/L
Vinyl Chloride	0.20	0.50	ug/L
Xylenes, Total	0.60	1.5	ug/L

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Matrix: Water

Instrument: VOA No. 8

Analyte	LOD	LOQ	Units
1,1,1,2-Tetrachloroethane	0.20	0.50	ug/L
1,1,1-Trichloroethane	0.20	0.50	ug/L
1,1,2,2-Tetrachloroethane	0.20	0.50	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane (Fr	0.20	0.50	ug/L
1,1,2-Trichloroethane	0.20	0.50	ug/L
1,1-Dichloroethane	0.20	0.50	ug/L
1,1-Dichloroethylene	0.20	0.50	ug/L
1,1-Dichloropropylene	0.20	0.50	ug/L
1,2,3-Trichlorobenzene	0.20	0.50	ug/L
1,2,3-Trichloropropane	0.20	0.50	ug/L
1,2,4-Trichlorobenzene	0.20	0.50	ug/L
1,2,4-Trimethylbenzene	0.20	0.50	ug/L
1,2-Dibromo-3-chloropropane	0.20	0.50	ug/L
1,2-Dibromoethane	0.20	0.50	ug/L
1,2-Dichlorobenzene	0.20	0.50	ug/L
1,2-Dichloroethane	0.20	0.50	ug/L
1,2-Dichloropropane	0.20	0.50	ug/L
1,3,5-Trimethylbenzene	0.20	0.50	ug/L
1,3-Dichlorobenzene	0.20	0.50	ug/L
1,3-Dichloropropane	0.20	0.50	ug/L
1,4-Dichlorobenzene	0.20	0.50	ug/L
2,2-Dichloropropane	0.20	0.50	ug/L
2-Chlorotoluene	0.20	0.50	ug/L
2-Hexanone	0.20	0.50	ug/L
4-Chlorotoluene	0.20	0.50	ug/L
Acetone	1.0	2.0	ug/L
Benzene	0.20	0.50	ug/L
Bromobenzene	0.20	0.50	ug/L
Bromochloromethane	0.20	0.50	ug/L
Bromodichloromethane	0.20	0.50	ug/L
Bromoform	0.20	0.50	ug/L
Bromomethane	0.20	0.50	ug/L
Carbon tetrachloride	0.20	0.50	ug/L
Chlorobenzene	0.20	0.50	ug/L
Chloroethane	0.20	0.50	ug/L
Chloroform	0.20	0.50	ug/L
Chloromethane	0.20	0.50	ug/L

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Matrix: Water

Instrument: VOA No. 8

Analyte	LOD	LOQ	Units
cis-1,2-Dichloroethylene	0.20	0.50	ug/L
cis-1,3-Dichloropropylene	0.20	0.50	ug/L
Dibromochloromethane	0.20	0.50	ug/L
Dibromomethane	0.20	0.50	ug/L
Dichlorodifluoromethane	0.20	0.50	ug/L
Ethyl Benzene	0.20	0.50	ug/L
Hexachlorobutadiene	0.20	0.50	ug/L
Isopropylbenzene	0.20	0.50	ug/L
Methyl tert-butyl ether (MTBE)	0.20	0.50	ug/L
Methylene chloride	1.0	2.0	ug/L
Naphthalene	1.0	2.0	ug/L
n-Butylbenzene	0.20	0.50	ug/L
n-Propylbenzene	0.20	0.50	ug/L
o-Xylene	0.20	0.50	ug/L
p- & m- Xylenes	0.50	1.0	ug/L
p-Isopropyltoluene	0.20	0.50	ug/L
sec-Butylbenzene	0.20	0.50	ug/L
Styrene	0.20	0.50	ug/L
tert-Butylbenzene	0.20	0.50	ug/L
Tetrachloroethylene	0.20	0.50	ug/L
Toluene	0.20	0.50	ug/L
trans-1,2-Dichloroethylene	0.20	0.50	ug/L
trans-1,3-Dichloropropylene	0.20	0.50	ug/L
Trichloroethylene	0.20	0.50	ug/L
Trichlorofluoromethane	0.20	0.50	ug/L
Vinyl Chloride	0.20	0.50	ug/L
Xylenes, Total	0.60	1.5	ug/L

HOLDING TIME SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 1610590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
MW-98-01A	09/14/16 11:44	09/16/16 17:07	09/22/16 20:06	8.35	14.00	09/23/16 03:25	8.65	14.00	
MW-98-04	09/14/16 14:28	09/16/16 17:07	09/22/16 08:06	7.73	14.00	09/24/16 01:36	9.46	14.00	
MW-98-04B	09/14/16 15:20	09/16/16 17:07	09/22/16 20:06	8.20	14.00	09/23/16 03:51	8.52	14.00	
MW-A	09/14/16 09:13	09/16/16 17:07	09/22/16 20:06	8.45	14.00	09/23/16 04:17	8.79	14.00	
MW-98-05AR	09/14/16 13:24	09/16/16 17:07	09/22/16 20:06	8.28	14.00	09/23/16 04:43	8.64	14.00	
MW-98-05BR	09/14/16 12:35	09/16/16 17:07	09/22/16 20:06	8.31	14.00	09/23/16 05:09	8.69	14.00	
MW-45A	09/14/16 12:50	09/16/16 17:07	09/22/16 08:06	7.80	14.00	09/24/16 03:19	9.60	14.00	
MW-45B	09/14/16 12:20	09/16/16 17:07	09/22/16 08:06	7.82	14.00	09/24/16 03:45	9.64	14.00	
MW-52A	09/14/16 11:40	09/16/16 17:07	09/26/16 08:39	11.87	14.00	09/26/16 17:32	12.24	14.00	
MW-28A	09/15/16 07:55	09/16/16 17:07	09/26/16 08:39	11.03	14.00	09/26/16 18:12	11.43	14.00	
MW-28B	09/15/16 08:40	09/16/16 17:07	09/26/16 08:39	11.00	14.00	09/26/16 18:52	11.43	14.00	
MW-44A	09/14/16 06:45	09/16/16 17:07	09/26/16 08:39	12.08	14.00	09/26/16 19:31	12.53	14.00	
MW-44B	09/14/16 07:10	09/16/16 17:07	09/26/16 08:39	12.06	14.00	09/26/16 20:10	12.54	14.00	
MW-44C	09/14/16 07:55	09/16/16 17:07	09/26/16 08:39	12.03	14.00	09/26/16 20:50	12.54	14.00	
MW-47B	09/15/16 08:56	09/16/16 17:07	09/26/16 08:39	10.99	14.00	09/26/16 21:29	11.52	14.00	
N-32	09/14/16 09:20	09/16/16 17:07	09/26/16 08:39	11.97	14.00	09/26/16 22:09	12.53	14.00	
N-32B	09/14/16 10:10	09/16/16 17:07	09/27/16 08:02	12.91	14.00	09/27/16 13:03	13.12	14.00	
MW-58A	09/14/16 14:25	09/16/16 17:07	09/23/16 18:02	9.15	14.00	09/24/16 07:40	9.72	14.00	
MW-58B	09/14/16 13:50	09/16/16 17:07	09/22/16 08:06	7.76	14.00	09/24/16 04:11	9.60	14.00	
MW-59B	09/14/16 10:50	09/16/16 17:07	09/23/16 18:02	9.30	14.00	09/24/16 09:25	9.94	14.00	
MW-B	09/14/16 10:30	09/16/16 17:07	09/23/16 18:02	9.31	14.00	09/24/16 09:51	9.97	14.00	
MW-42B	09/14/16 09:08	09/16/16 17:07	09/23/16 18:02	9.37	14.00	09/24/16 10:17	10.05	14.00	
MW-43A	09/13/16 13:19	09/16/16 17:07	09/23/16 18:02	10.20	14.00	09/24/16 10:44	10.89	14.00	
MW-43B	09/13/16 12:40	09/16/16 17:07	09/23/16 18:02	10.22	14.00	09/24/16 11:10	10.94	14.00	

HOLDING TIME SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
MW-43C	09/13/16 11:42	09/16/16 17:07	09/23/16 18:02	10.26	14.00	09/24/16 11:36	11.00	14.00	
MW-53	09/13/16 15:30	09/16/16 17:07	09/23/16 18:02	10.11	14.00	09/24/16 12:02	10.86	14.00	
MW-54	09/13/16 14:40	09/16/16 17:07	09/23/16 18:02	10.14	14.00	09/24/16 12:28	10.91	14.00	
MW-B1	09/15/16 10:54	09/16/16 17:07	09/23/16 18:02	8.30	14.00	09/24/16 12:54	9.08	14.00	
MW-B4	09/15/16 10:07	09/16/16 17:07	09/23/16 18:02	8.33	14.00	09/24/16 13:21	9.13	14.00	
Trip Blank-SA	09/12/16 15:00	09/16/16 17:07	09/23/16 18:02	11.13	14.00	09/24/16 13:46	11.95	14.00	
Trip Blank-BM	09/12/16 15:05	09/16/16 17:07	09/23/16 18:02	11.12	14.00	09/24/16 14:12	11.96	14.00	
Field Blank-SA	09/15/16 08:50	09/16/16 17:07	09/26/16 08:33	10.99	14.00	09/26/16 19:35	11.45	14.00	
Field Blank-BM	09/15/16 10:30	09/16/16 17:07	09/26/16 08:33	10.92	14.00	09/26/16 17:44	11.30	14.00	
RW-3	09/13/16 16:40	09/16/16 17:07	09/26/16 08:33	12.66	14.00	09/26/16 18:12	13.06	14.00	
RW-4	09/13/16 16:50	09/16/16 17:07	09/26/16 08:33	12.65	14.00	09/26/16 18:40	13.08	14.00	
RW-6	09/14/16 10:10	09/16/16 17:07	09/26/16 08:33	11.93	14.00	09/26/16 19:08	12.37	14.00	

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-98-01A

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 1610590-01 File ID: V710664.D
 Sampled: 09/14/16 11:44 Prepared: 09/22/16 20:06 Analyzed: 09/23/16 03:25
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61100 Sequence: Y612626 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-98-01A

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-01 File ID: V710664.D
 Sampled: 09/14/16 11:44 Prepared: 09/22/16 20:06 Analyzed: 09/23/16 03:25
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61100 Sequence: Y612626 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.91	
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	9.91	99.1	69 - 130	
Toluene-d8	10.0	9.80	98.0	81 - 117	
p-Bromofluorobenzene	10.0	10.3	103	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\data\V7092216\
 Data File : V710664.D
 Acq On : 23 Sep 2016 3:25 am
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-01
 Misc : QBV7092216A 8260 LOW A
 ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 26 15:43:15 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

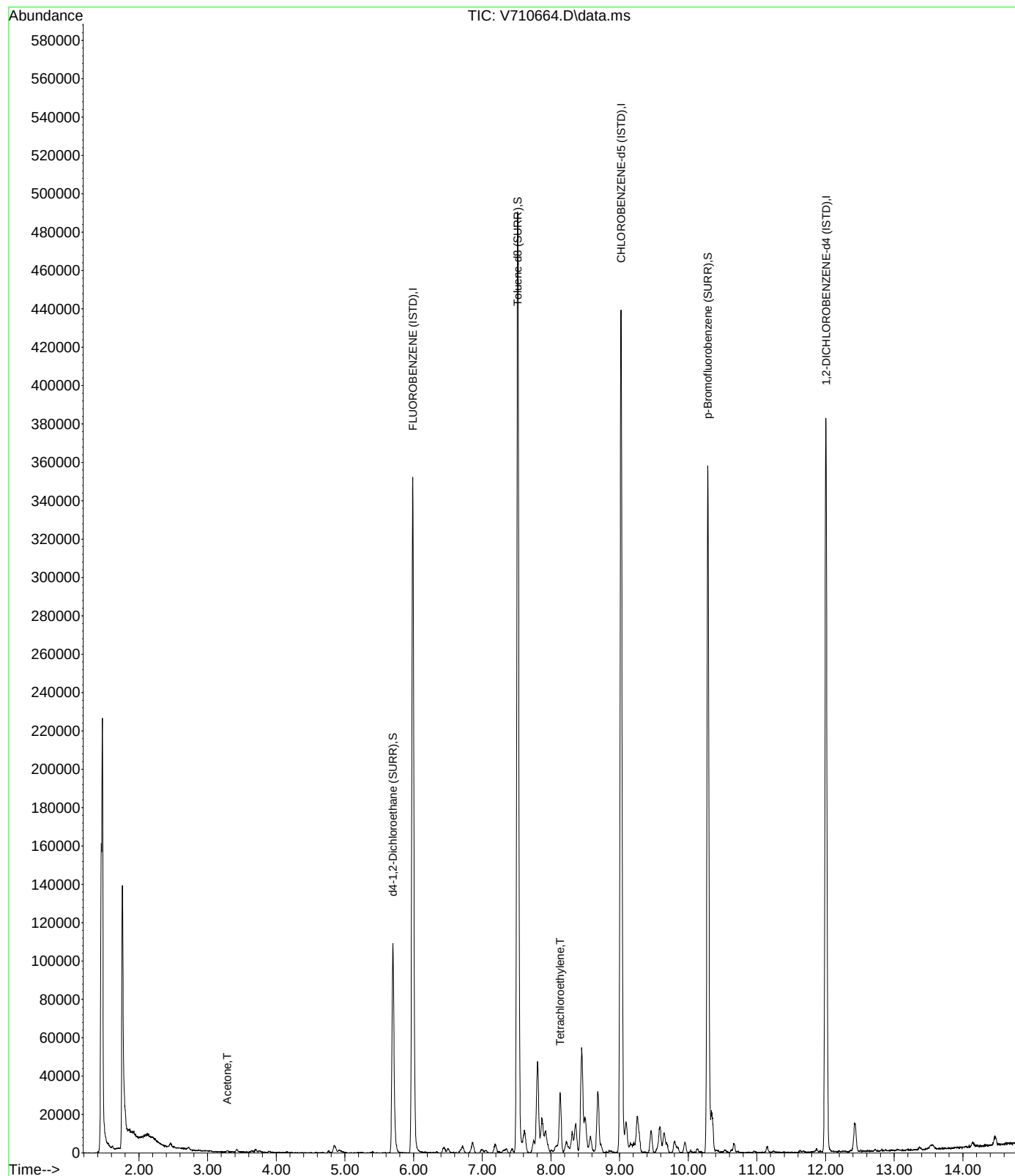
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

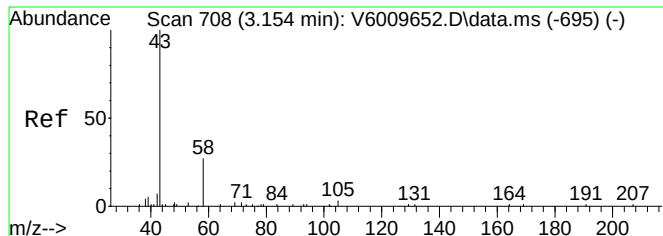
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	70711	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	314621	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.007	152	131484	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	74710	9.91	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	99.10%	
51) Toluene-d8 (SURR)	7.517	98	383242	9.80	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	98.00%	
70) p-Bromofluorobenzene (...)	10.285	95	151753	10.28	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	102.80%	
Target Compounds						
12) Acetone	3.285	43	723	0.40	ppb	# 91
56) Tetrachloroethylene	8.132	166	11574	0.91	ppb	# 100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\V7092216\
Data File : V710664.D
Acq On : 23 Sep 2016 3:25 am
InstName : MSV0A7
Operator : SS
Sample : 16I0590-01
Misc : QBV7092216A 8260 LOW A
ALS Vial : 42 Sample Multiplier: 1

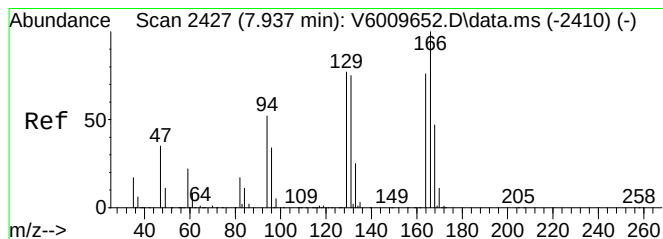
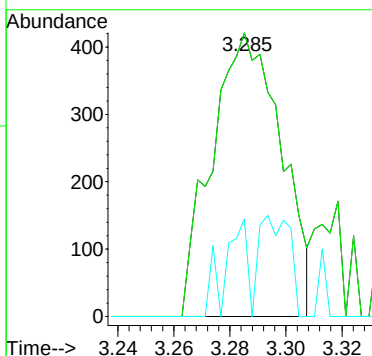
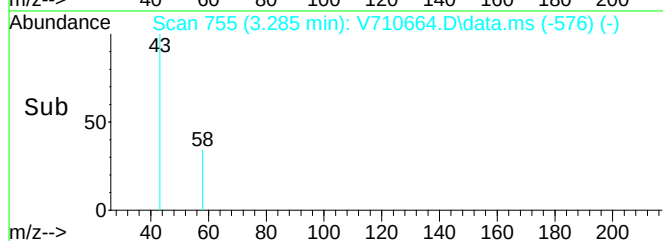
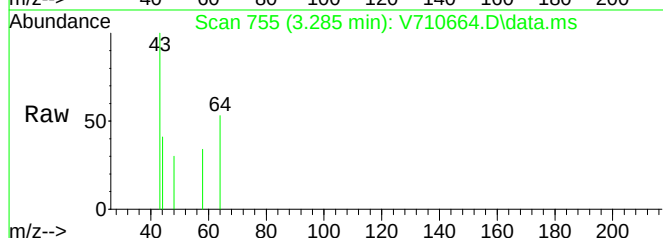
Quant Time: Sep 26 15:43:15 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





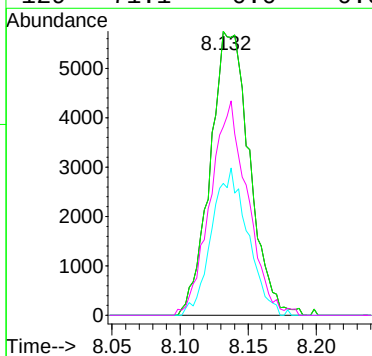
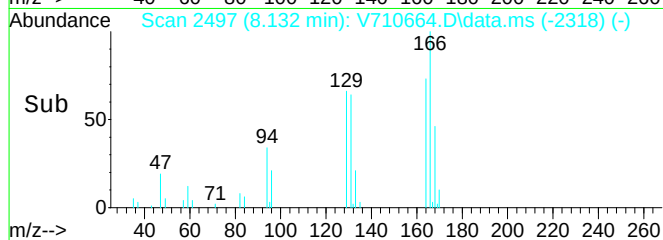
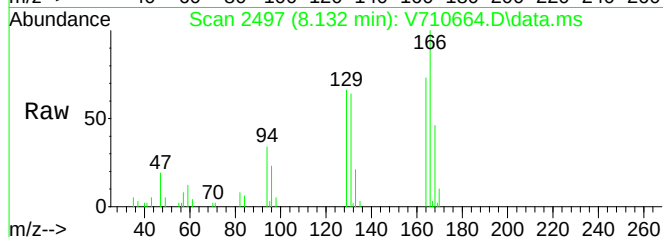
#12
Acetone
Concen: 0.40 ppb
RT: 3.285 min Scan# 755
Delta R.T. -0.003 min
Lab File: V710664.D
Acq: 23 Sep 2016 3:25 am

Tgt Ion: 43 Resp: 723
Ion Ratio Lower Upper
43 100
43 100.0 80.0 120.0
58 10.9 16.0 47.9#



#56
Tetrachloroethylene
Concen: 0.91 ppb
RT: 8.132 min Scan# 2497
Delta R.T. -0.003 min
Lab File: V710664.D
Acq: 23 Sep 2016 3:25 am

Tgt Ion: 166 Resp: 11574
Ion Ratio Lower Upper
166 100
166 100.0 65.0 135.0
168 47.3 31.1 64.7
129 71.1 0.0 0.0#



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-98-04

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-02 File ID: V710662.D
 Sampled: 09/14/16 14:28 Prepared: 09/22/16 08:06 Analyzed: 09/24/16 01:36
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61178 Sequence: Y612617 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-98-04

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-02 File ID: V710662.D
 Sampled: 09/14/16 14:28 Prepared: 09/22/16 08:06 Analyzed: 09/24/16 01:36
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61178 Sequence: Y6I2617 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	2.4	
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.2	102	69 - 130	
Toluene-d8	10.0	9.72	97.2	81 - 117	
p-Bromofluorobenzene	10.0	10.1	101	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\data\V7092216\
 Data File : V710662.D
 Acq On : 23 Sep 2016 2:33 am
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0601-07
 Misc : QBV7092216A CP51 LOW AF A
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 26 15:40:27 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

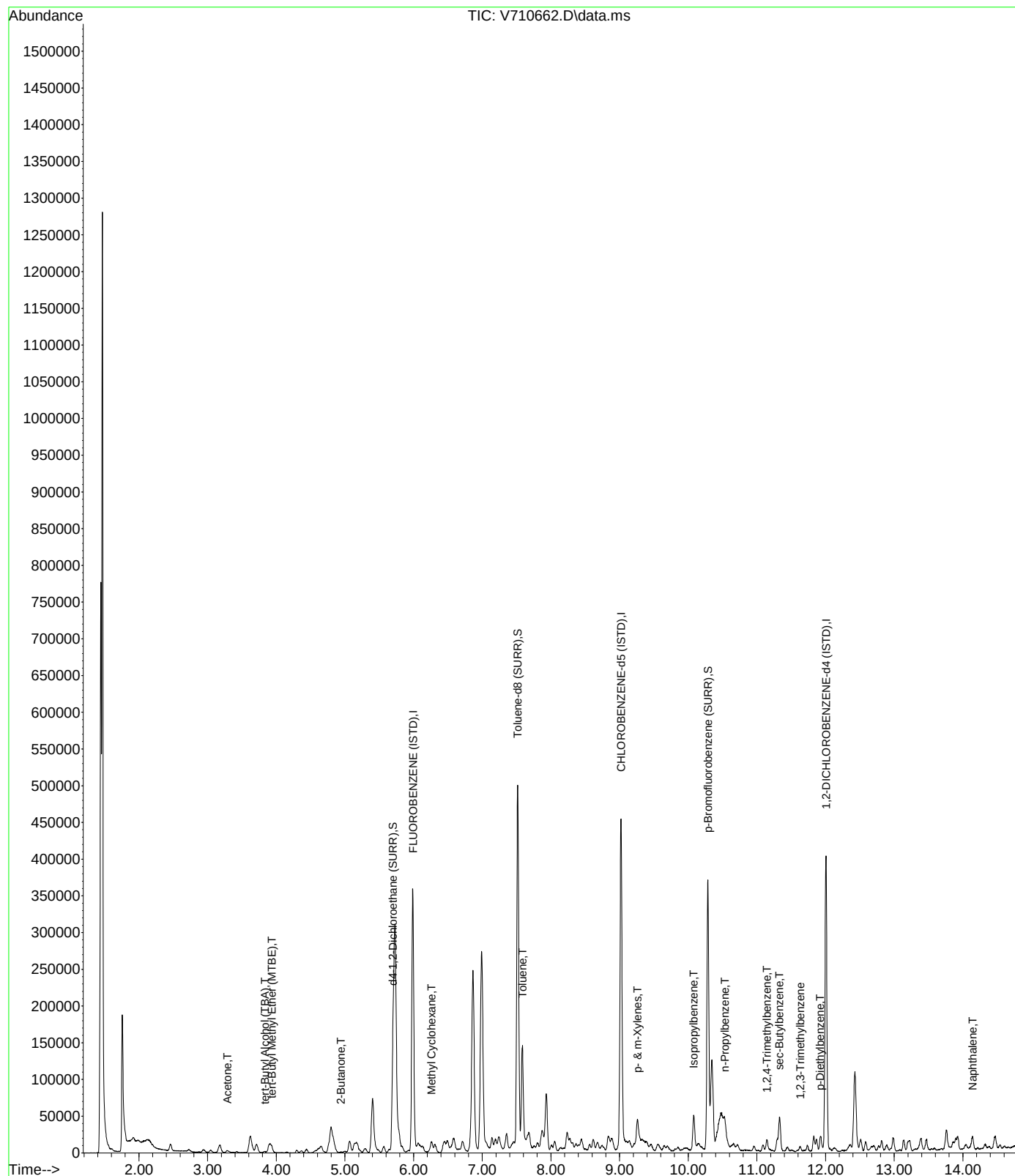
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

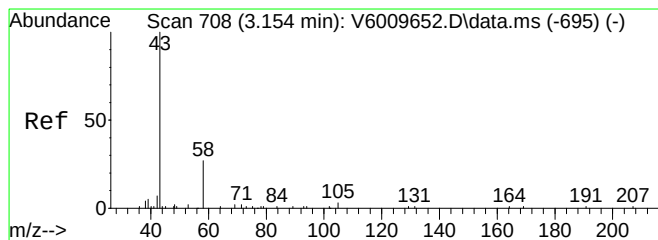
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.992	70	72474	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	321794	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.007	152	136161	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	77299	10.00	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	100.00%	
51) Toluene-d8 (SURR)	7.517	98	389041	9.72	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	97.20%	
70) p-Bromofluorobenzene (...)	10.288	95	155117	10.14	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	101.40%	
Target Compounds						
						Qvalue
12) Acetone	3.288	43	4660m	2.52	ppb	
16) tert-Butyl Alcohol (TBA)	3.833	59	2971m	5.37	ppb	
20) tert-Butyl Methyl Ethe...	3.933	73	11878m	0.55	ppb	
26) 2-Butanone	4.940	72	243	0.28	ppb	# 1
42) Methyl Cyclohexane	6.262	83	6271	0.40	ppb	83
52) Toluene	7.586	91	124287	3.12	ppb	100
63) p- & m-Xylenes	9.261	91	15639	0.49	ppb	98
69) Isopropylbenzene	10.079	105	40277	1.00	ppb	# 93
75) n-Propylbenzene	10.533	91	10809	0.23	ppb	# 94
80) 1,2,4-Trimethylbenzene	11.145	105	9369	0.28	ppb	# 76
81) sec-Butylbenzene	11.328	105	40400	1.04	ppb	# 87
85) 1,2,3-Trimethylbenzene	11.632	105	4367	0.31	ppb	# 1
86) p-Diethylbenzene	11.921	105	6850	0.38	ppb	# 34
93) Naphthalene	14.141	128	17196	0.95	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\V7092216\
Data File : V710662.D
Acq On : 23 Sep 2016 2:33 am
InstName : MSV0A7
Operator : SS
Sample : 16I0601-07
Misc : QBV7092216A CP51 LOW AF A
ALS Vial : 40 Sample Multiplier: 1

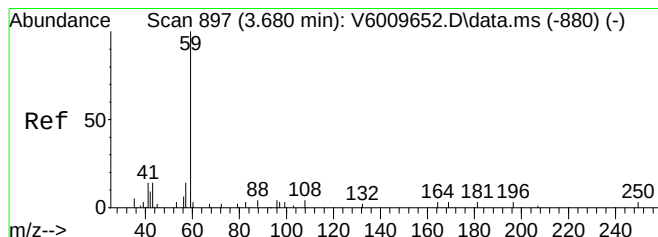
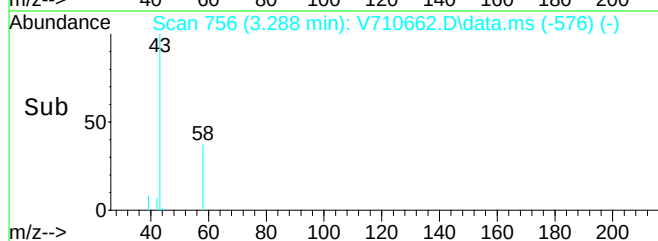
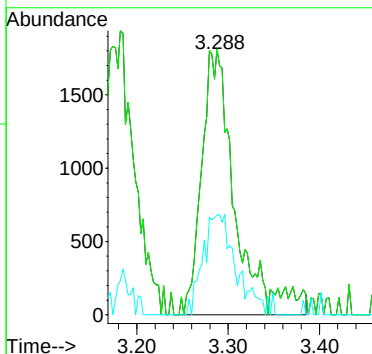
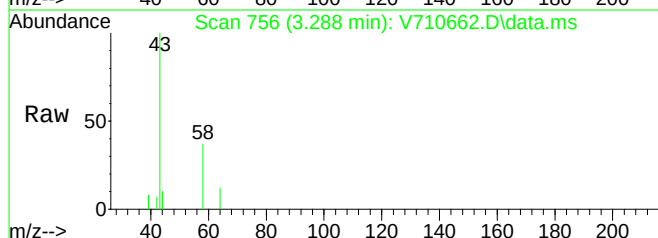
Quant Time: Sep 26 15:40:27 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





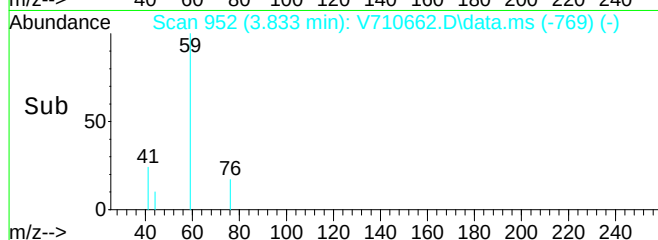
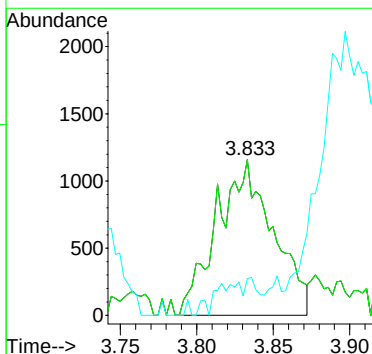
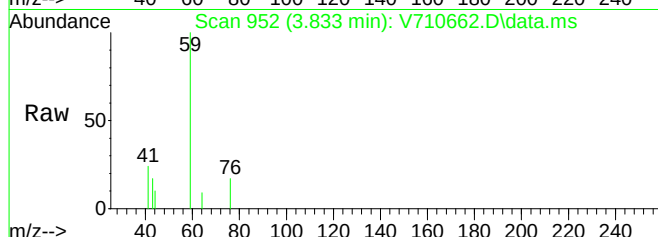
#12
Acetone
Concen: 2.52 ppb m
RT: 3.288 min Scan# 756
Delta R.T. -0.000 min
Lab File: V710662.D
Acq: 23 Sep 2016 2:33 am

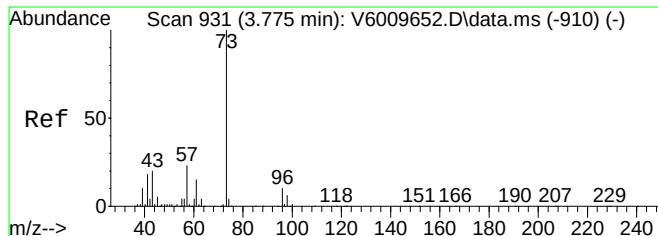
Tgt Ion: 43 Resp: 4660
Ion Ratio Lower Upper
43 100
43 40.3 80.0 120.0#
58 33.9 16.0 47.9



#16
tert-Butyl Alcohol (TBA)
Concen: 5.37 ppb m
RT: 3.833 min Scan# 952
Delta R.T. 0.008 min
Lab File: V710662.D
Acq: 23 Sep 2016 2:33 am

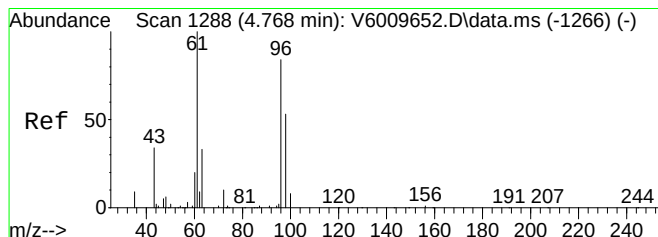
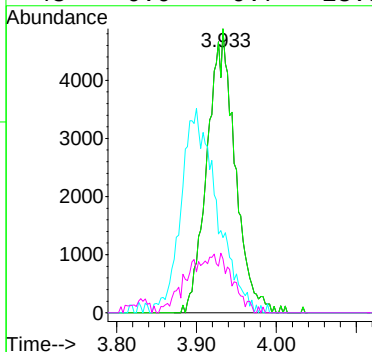
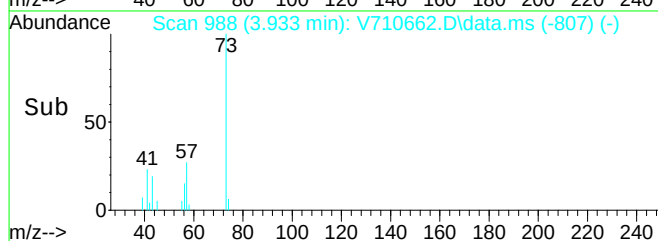
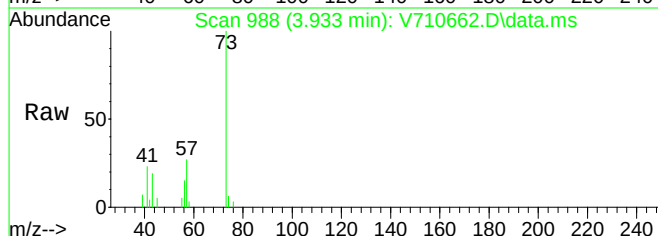
Tgt Ion: 59 Resp: 2971
Ion Ratio Lower Upper
59 100
59 52.6 65.0 135.0#
41 0.0 478.5 1435.4#





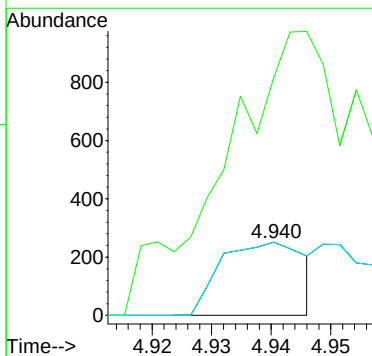
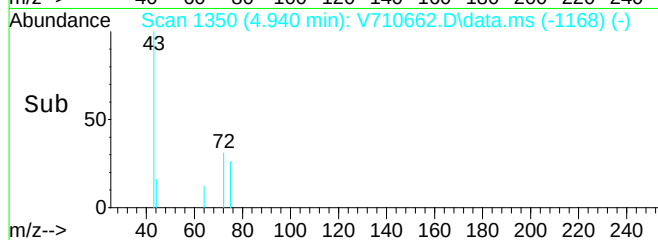
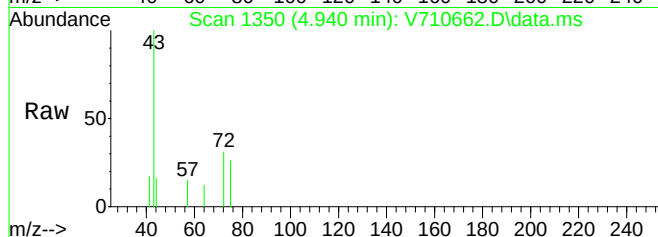
#20
tert-Butyl Methyl Ether (MTBE)
Concen: 0.55 ppb m
RT: 3.933 min Scan# 988
Delta R.T. 0.003 min
Lab File: V710662.D
Acq: 23 Sep 2016 2:33 am

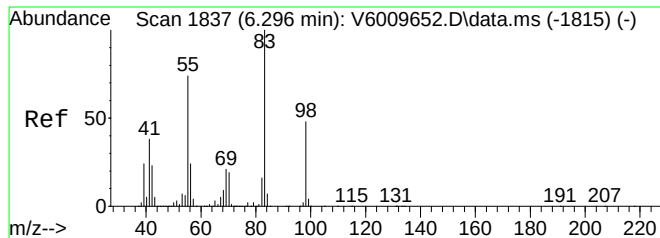
Tgt Ion: 73 Resp: 11878
Ion Ratio Lower Upper
73 100
73 50.7 80.0 120.0#
57 0.0 11.3 33.8#
43 0.0 9.7 28.9#



#26
2-Butanone
Concen: 0.28 ppb
RT: 4.940 min Scan# 1350
Delta R.T. 0.005 min
Lab File: V710662.D
Acq: 23 Sep 2016 2:33 am

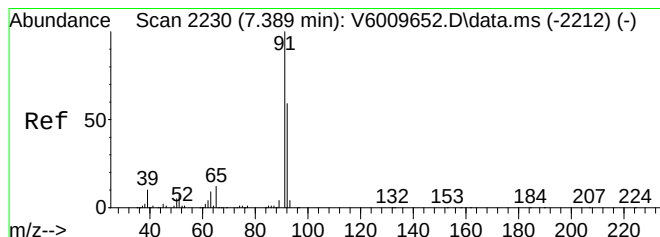
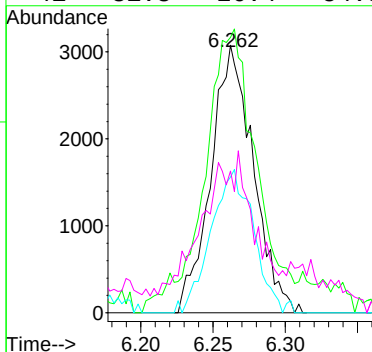
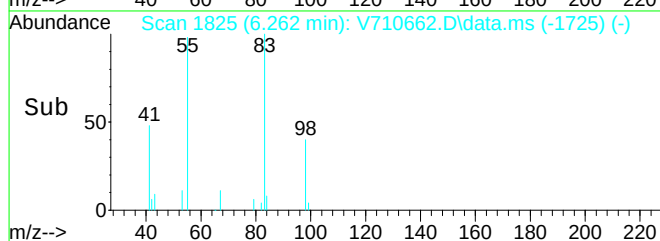
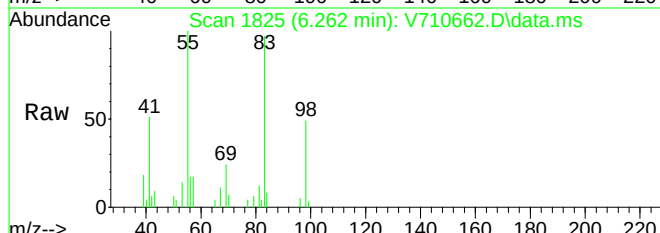
Tgt Ion: 72 Resp: 243
Ion Ratio Lower Upper
72 100
43 0.0 243.1 364.7#
72 100.0 50.0 150.0





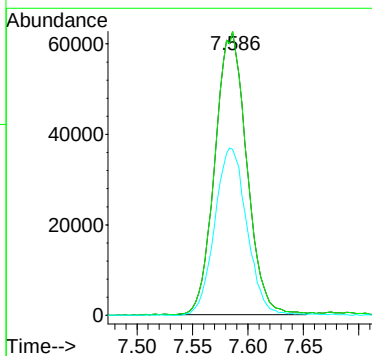
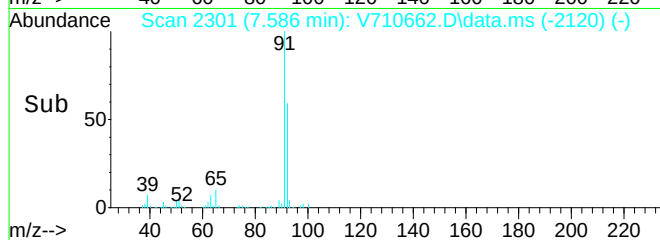
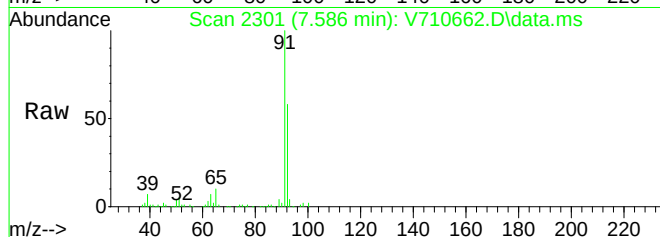
#42
Methyl Cyclohexane
Concen: 0.40 ppb
RT: 6.262 min Scan# 1825
Delta R.T. -0.223 min
Lab File: V710662.D
Acq: 23 Sep 2016 2:33 am

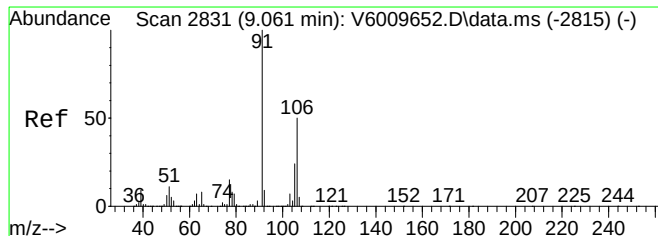
Tgt Ion: 83 Resp: 6271
Ion Ratio Lower Upper
83 100
55 97.8 49.7 103.3
98 53.4 31.7 65.9
41 31.3 26.4 54.8



#52
Toluene
Concen: 3.12 ppb
RT: 7.586 min Scan# 2301
Delta R.T. 0.003 min
Lab File: V710662.D
Acq: 23 Sep 2016 2:33 am

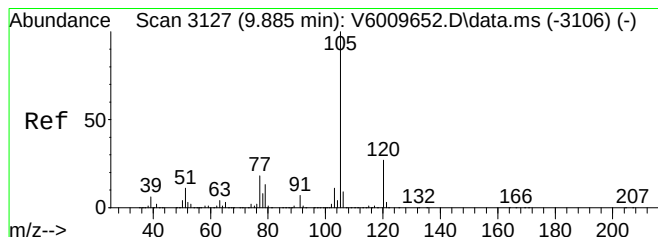
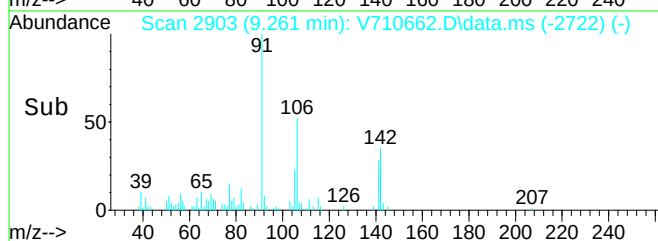
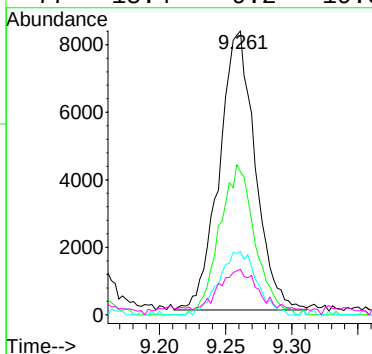
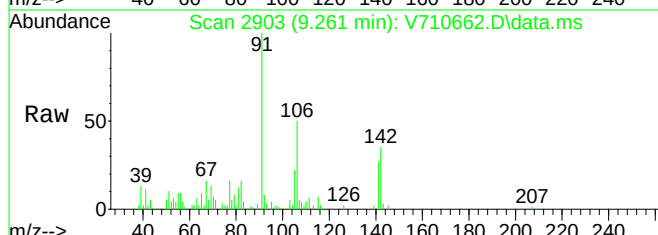
Tgt Ion: 91 Resp: 124287
Ion Ratio Lower Upper
91 100
91 100.0 65.0 135.0
92 60.1 38.8 80.6





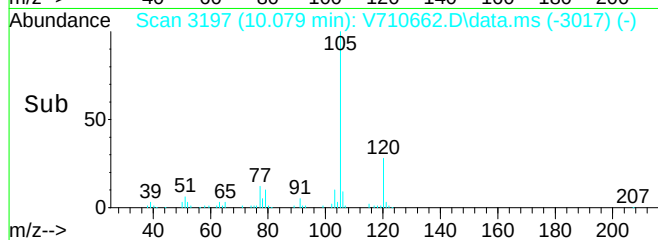
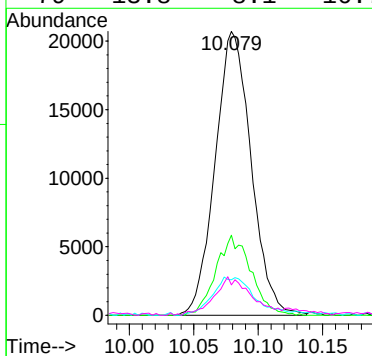
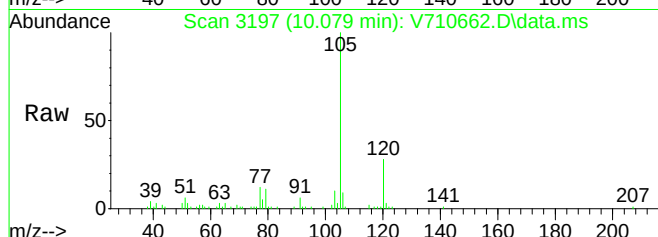
#63
p- & m-Xylenes
Concen: 0.49 ppb
RT: 9.261 min Scan# 2903
Delta R.T. 0.003 min
Lab File: V710662.D
Acq: 23 Sep 2016 2:33 am

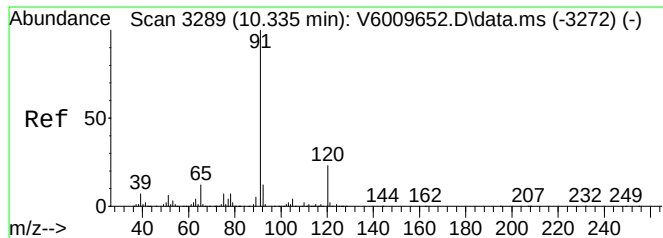
Tgt Ion: 91 Resp: 15639
Ion Ratio Lower Upper
91 100
106 52.9 33.8 70.2
105 23.9 16.1 33.5
77 15.4 9.2 19.0



#69
Isopropylbenzene
Concen: 1.00 ppb
RT: 10.079 min Scan# 3197
Delta R.T. -0.000 min
Lab File: V710662.D
Acq: 23 Sep 2016 2:33 am

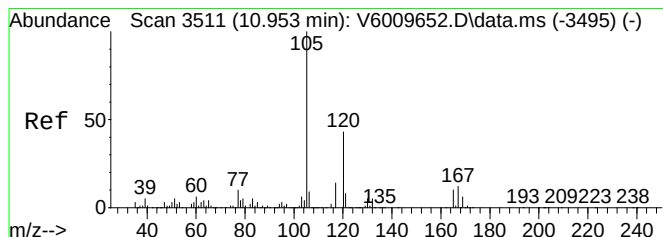
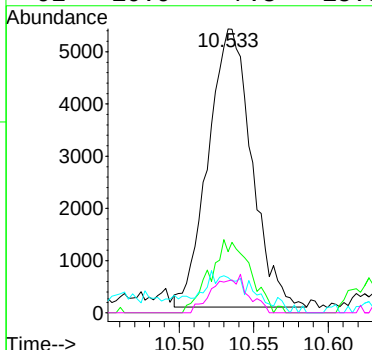
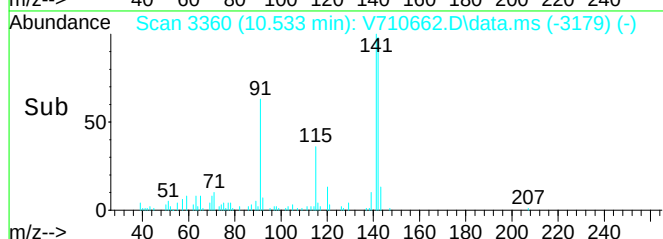
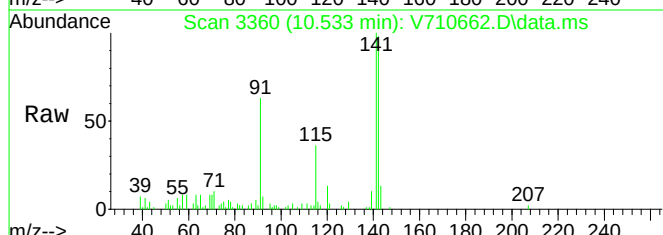
Tgt Ion: 105 Resp: 40277
Ion Ratio Lower Upper
105 100
120 27.4 18.3 38.1
77 7.5 9.9 20.7#
79 13.8 8.1 16.7





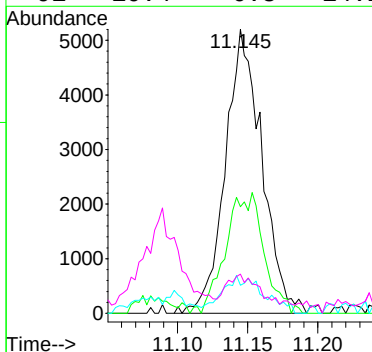
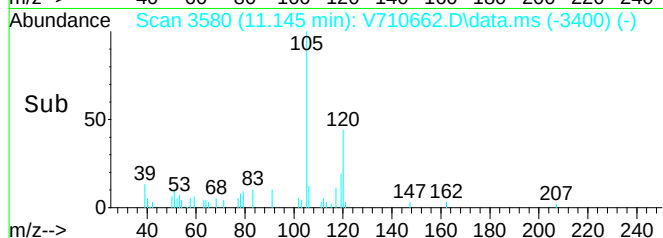
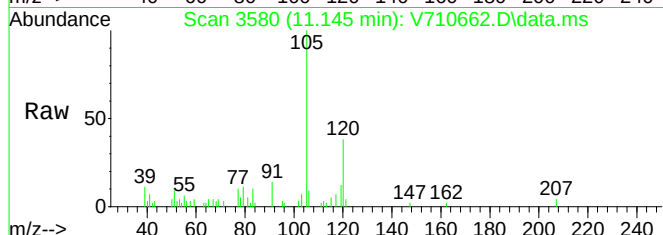
#75
n-Propylbenzene
Concen: 0.23 ppb
RT: 10.533 min Scan# 3360
Delta R.T. 0.003 min
Lab File: V710662.D
Acq: 23 Sep 2016 2:33 am

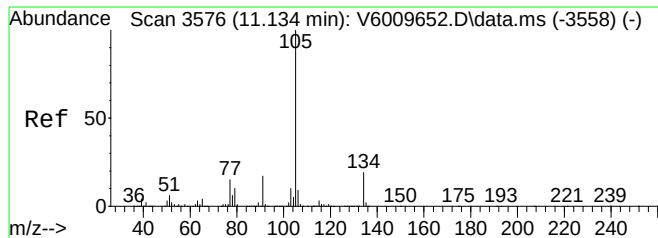
Tgt Ion:	91	Resp:	10809
Ion Ratio	Lower	Upper	
91	100		
120	23.9	16.1	33.5
65	2.0	6.6	13.8#
92	10.9	7.3	15.3



#80
1,2,4-Trimethylbenzene
Concen: 0.28 ppb
RT: 11.145 min Scan# 3580
Delta R.T. -0.000 min
Lab File: V710662.D
Acq: 23 Sep 2016 2:33 am

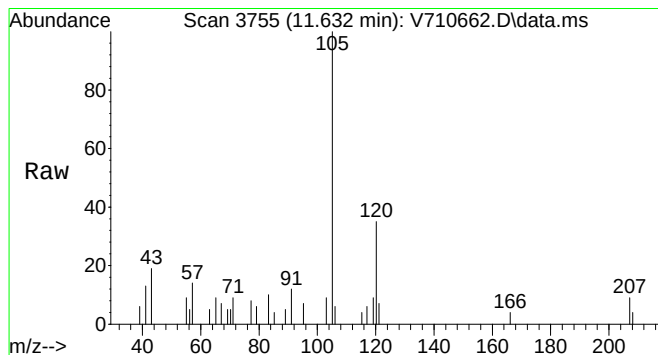
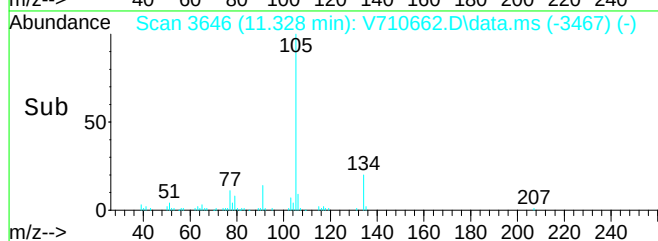
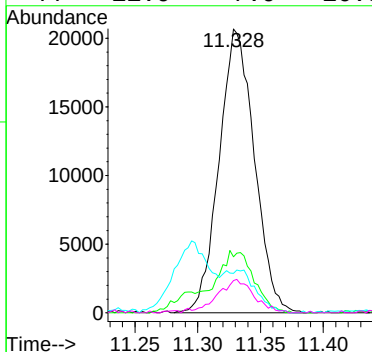
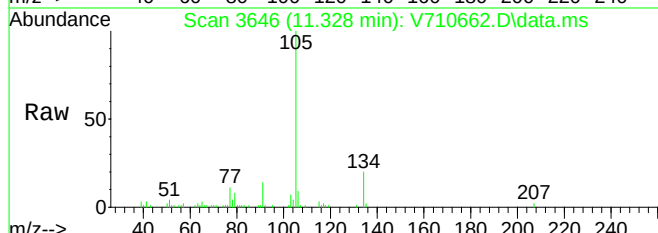
Tgt Ion:	105	Resp:	9369
Ion Ratio	Lower	Upper	
105	100		
120	27.2	31.2	64.8#
77	5.9	7.8	16.2#
91	10.4	6.8	14.2





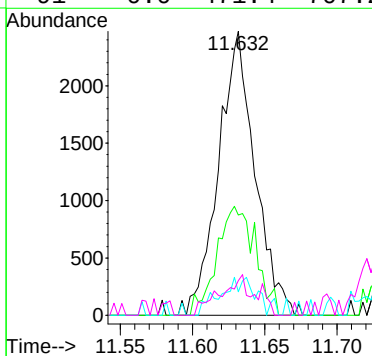
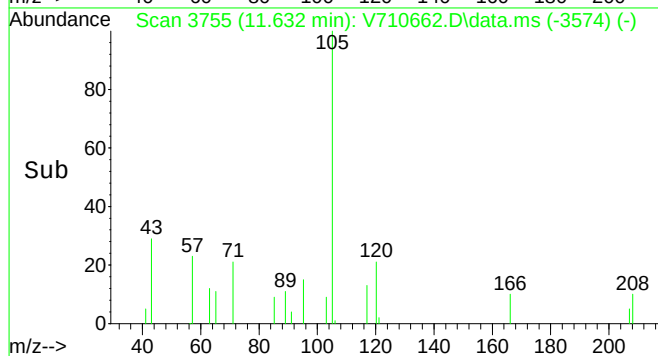
#81
 sec-Butylbenzene
 Concen: 1.04 ppb
 RT: 11.328 min Scan# 3646
 Delta R.T. -0.003 min
 Lab File: V710662.D
 Acq: 23 Sep 2016 2:33 am

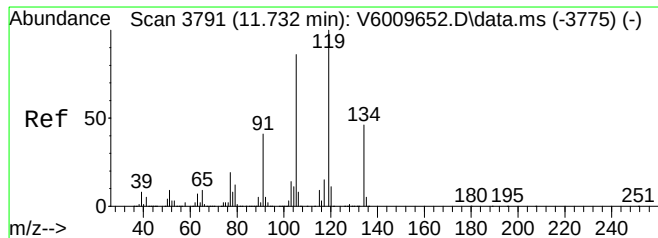
Tgt Ion:105 Resp: 40400
 Ion Ratio Lower Upper
 105 100
 134 21.0 14.3 29.7
 91 0.0 10.4 21.6#
 77 11.9 7.9 16.3



#85
 1,2,3-Trimethylbenzene
 Concen: 0.31 ppb
 RT: 11.632 min Scan# 3755
 Delta R.T. 0.003 min
 Lab File: V710662.D
 Acq: 23 Sep 2016 2:33 am

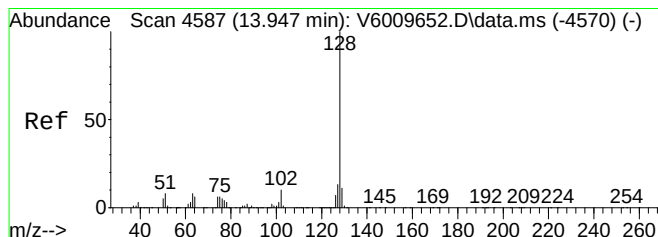
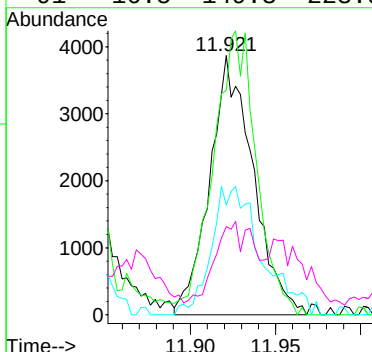
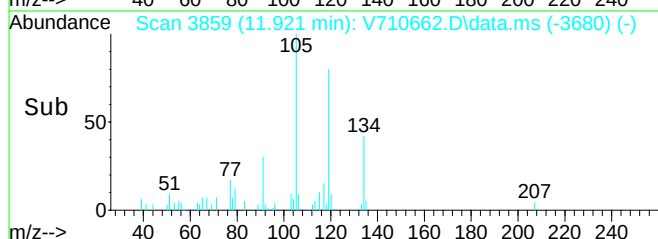
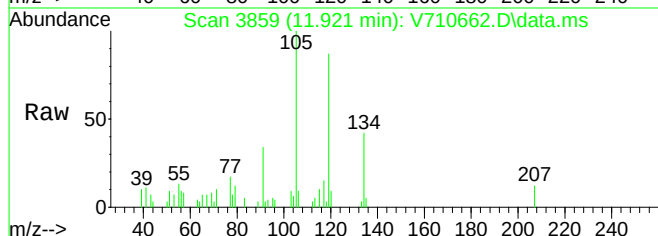
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 Ion Ratio Lower Upper
 105 100
 120 40.5 215.0 322.6#
 77 0.0 148.6 222.8#
 91 0.0 471.4 707.2#





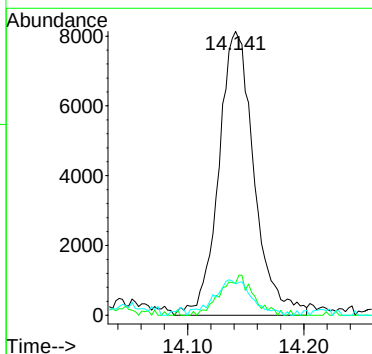
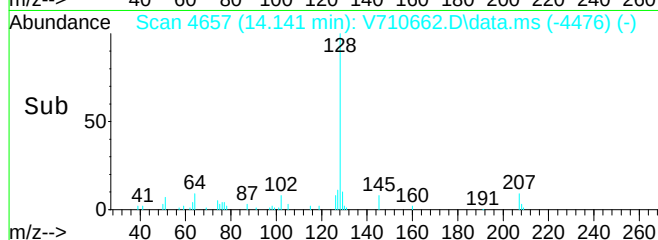
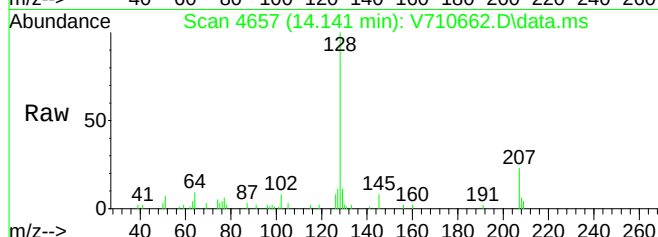
#86
p-Diethylbenzene
Concen: 0.38 ppb
RT: 11.921 min Scan# 3859
Delta R.T. -0.003 min
Lab File: V710662.D
Acq: 23 Sep 2016 2:33 am

Tgt Ion:105 Resp: 6850
Ion Ratio Lower Upper
105 100
119 109.1 85.3 127.9
134 57.3 33.1 68.7
91 16.5 149.3 223.9#



#93
Naphthalene
Concen: 0.95 ppb
RT: 14.141 min Scan# 4657
Delta R.T. 0.003 min
Lab File: V710662.D
Acq: 23 Sep 2016 2:33 am

Tgt Ion:128 Resp: 17196
Ion Ratio Lower Upper
128 100
127 13.0 8.5 17.6
129 13.4 7.2 15.0



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-98-04B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-03 File ID: V710665.D
 Sampled: 09/14/16 15:20 Prepared: 09/22/16 20:06 Analyzed: 09/23/16 03:51
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61100 Sequence: Y612626 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-98-04B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-03 File ID: V710665.D
 Sampled: 09/14/16 15:20 Prepared: 09/22/16 20:06 Analyzed: 09/23/16 03:51
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61100 Sequence: Y612626 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.0	100	69 - 130	
Toluene-d8	10.0	9.82	98.2	81 - 117	
p-Bromofluorobenzene	10.0	10.1	101	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\data\V7092216\
 Data File : V710665.D
 Acq On : 23 Sep 2016 3:51 am
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-03
 Misc : QBV7092216A 8260 LOW A
 ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 26 15:43:49 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

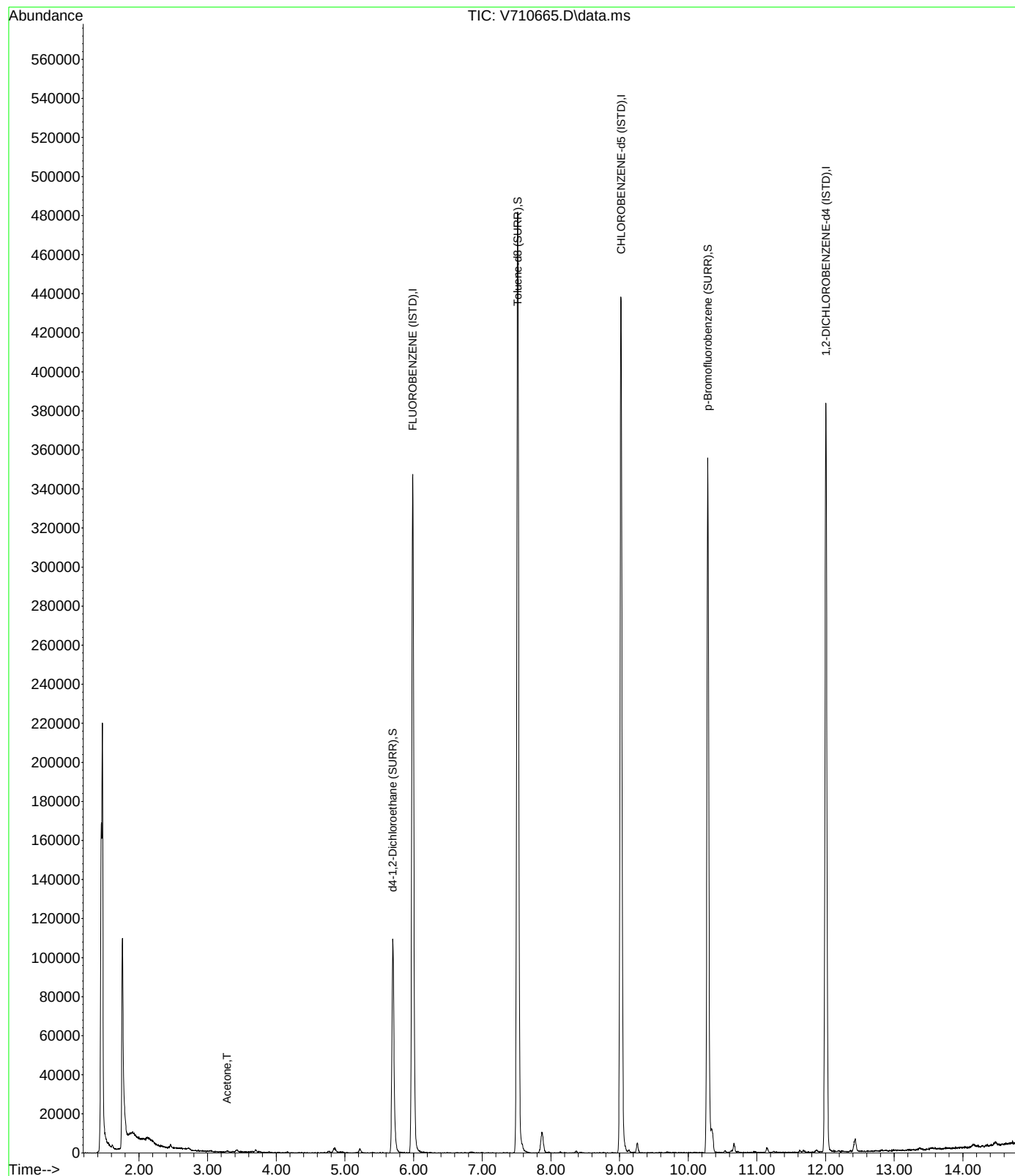
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

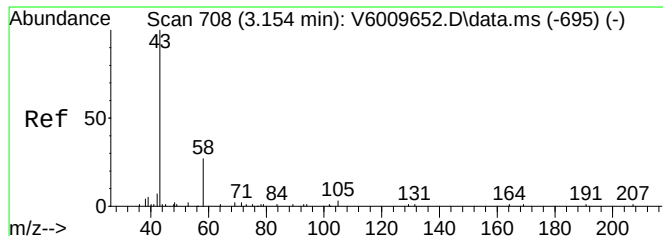
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.987	70	70148	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	312304	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	132069	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	74823	10.00	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	100.00%	
51) Toluene-d8 (SURR)	7.517	98	381071	9.82	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	98.20%	
70) p-Bromofluorobenzene (...)	10.285	95	150008	10.11	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	101.10%	
Target Compounds						
12) Acetone	3.282	43	699m	0.39	ppb	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\V7092216\
Data File : V710665.D
Acq On : 23 Sep 2016 3:51 am
InstName : MSV0A7
Operator : SS
Sample : 16I0590-03
Misc : QBV7092216A 8260 LOW A
ALS Vial : 43 Sample Multiplier: 1

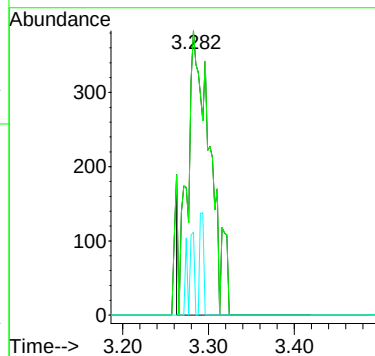
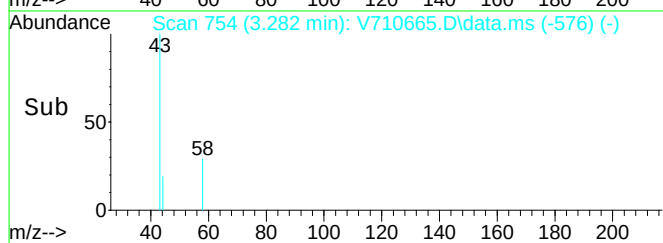
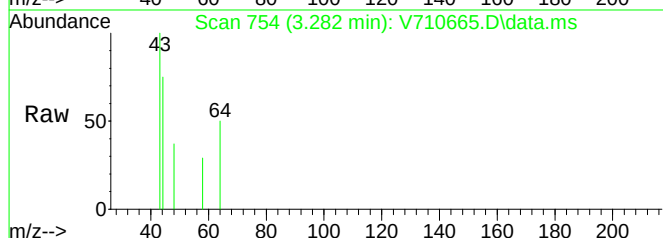
Quant Time: Sep 26 15:43:49 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





#12
 Acetone
 Concen: 0.39 ppb m
 RT: 3.282 min Scan# 754
 Delta R.T. -0.006 min
 Lab File: V710665.D
 Acq: 23 Sep 2016 3:51 am

Tgt Ion: 43 Resp: 699
 Ion Ratio Lower Upper
 43 100
 43 91.8 80.0 120.0
 58 7.7 16.0 47.9#



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-A

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-04 File ID: V710666.D
 Sampled: 09/14/16 09:13 Prepared: 09/22/16 20:06 Analyzed: 09/23/16 04:17
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61100 Sequence: Y612626 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-A

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-04 File ID: V710666.D
 Sampled: 09/14/16 09:13 Prepared: 09/22/16 20:06 Analyzed: 09/23/16 04:17
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61100 Sequence: Y612626 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	9.93	99.3	69 - 130	
Toluene-d8	10.0	9.74	97.4	81 - 117	
p-Bromofluorobenzene	10.0	10.0	100	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\data\V7092216\
 Data File : V710666.D
 Acq On : 23 Sep 2016 4:17 am
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-04
 Misc : QBV7092216A 8260 LOW A
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 26 15:44:22 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

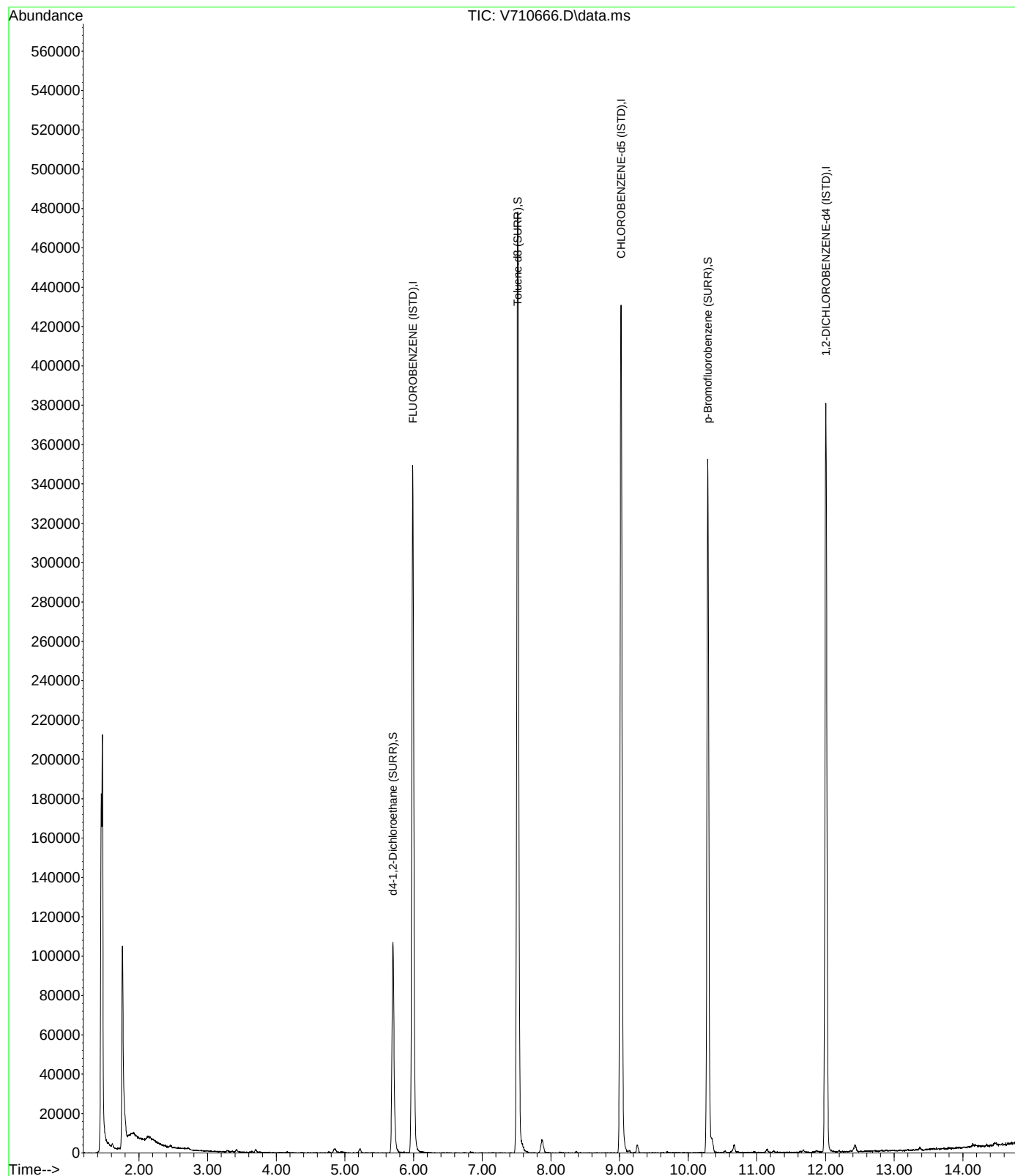
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	69068	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	309620	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	130895	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	73165	9.93	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.30%		
51) Toluene-d8 (SURR)	7.517	98	374749	9.74	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.40%		
70) p-Bromofluorobenzene (...)	10.282	95	147024	10.00	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.00%		

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\V7092216\
Data File : V710666.D
Acq On : 23 Sep 2016 4:17 am
InstName : MSV0A7
Operator : SS
Sample : 16I0590-04
Misc : QBV7092216A 8260 LOW A
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 26 15:44:22 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-98-05AR

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-05 File ID: V710667.D
 Sampled: 09/14/16 13:24 Prepared: 09/22/16 20:06 Analyzed: 09/23/16 04:43
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61100 Sequence: Y612626 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-98-05AR

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries

Matrix: Water Laboratory ID: 16I0590-05 File ID: V710667.D

Sampled: 09/14/16 13:24 Prepared: 09/22/16 20:06 Analyzed: 09/23/16 04:43

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BI61100 Sequence: Y612626 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	19	
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.75	
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.1	101	69 - 130	
Toluene-d8	10.0	9.70	97.0	81 - 117	
p-Bromofluorobenzene	10.0	10.0	100	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\data\V7092216\
 Data File : V710667.D
 Acq On : 23 Sep 2016 4:43 am
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-05
 Misc : QBV7092216A 8260 LOW A
 ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 26 15:45:06 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

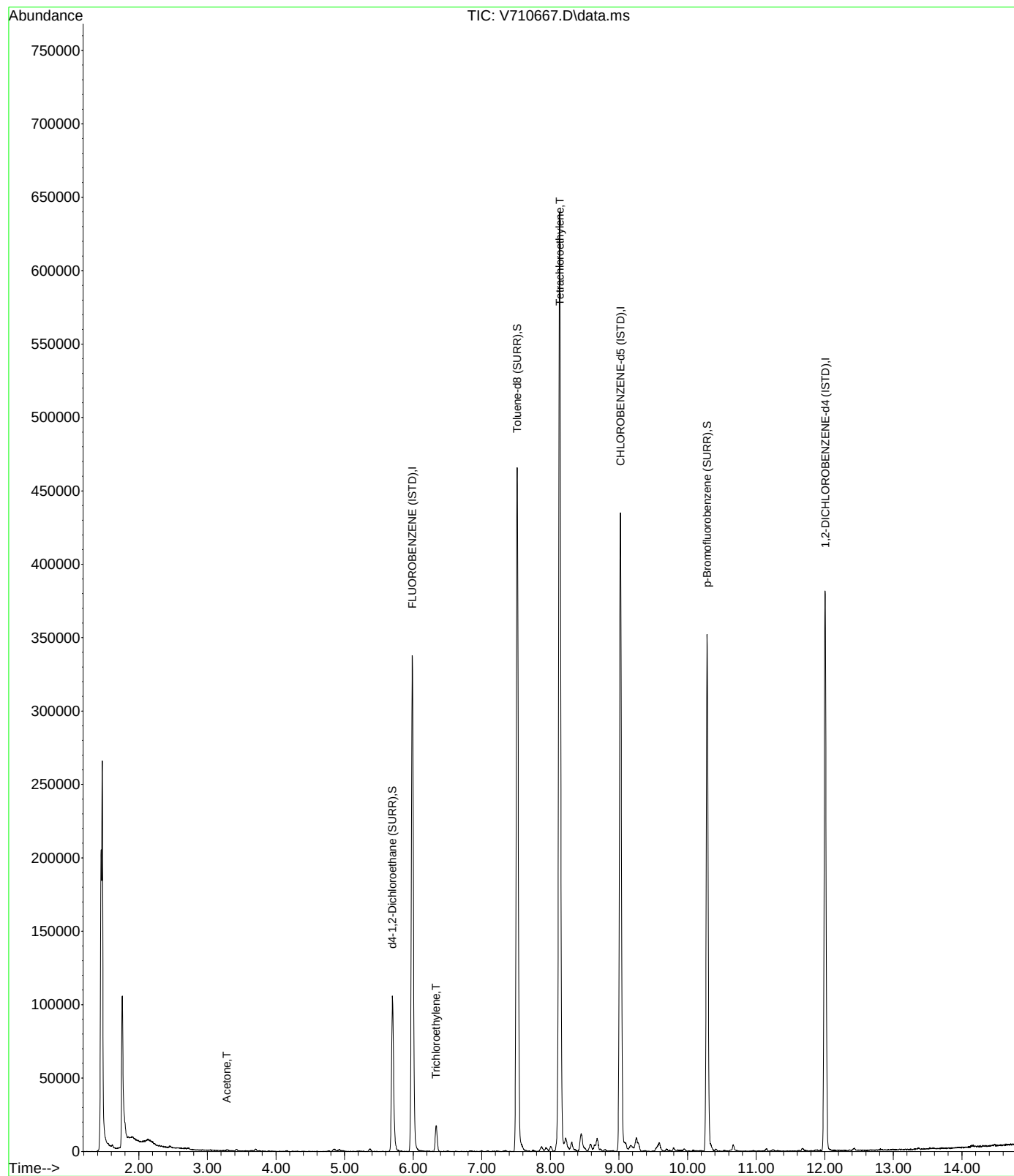
Compound			R.T.	QIon	Response	Conc	Units	Dev(Min)

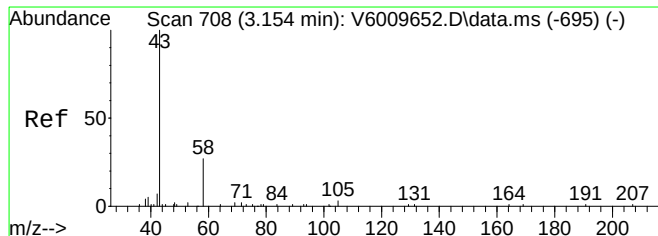
Internal Standards								
1)	FLUOROBENZENE (ISTD)		5.987	70	67743	10.00	ppb	0.00
40)	CHLOROBENZENE-d5 (ISTD)		9.022	117	307877	10.00	ppb	0.00
67)	1,2-DICHLOROBENZENE-d4...		12.007	152	130073	10.00	ppb	0.00
System Monitoring Compounds								
34)	d4-1,2-Dichloroethane ...		5.697	65	72774	10.07	ppb	0.00
	Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.70%	
51)	Toluene-d8 (SURR)		7.514	98	371438	9.70	ppb	0.00
	Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.00%	
70)	p-Bromofluorobenzene (...)		10.285	95	146761	10.05	ppb	0.00
	Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.50%	
Target Compounds								Qvalue
12)	Acetone		3.282	43	920m	0.53	ppb	
41)	Trichloroethylene		6.332	95	6743	0.75	ppb	# 88
56)	Tetrachloroethylene		8.137	166	236503	18.92	ppb	# 100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\V7092216\
Data File : V710667.D
Acq On : 23 Sep 2016 4:43 am
InstName : MSV0A7
Operator : SS
Sample : 16I0590-05
Misc : QBV7092216A 8260 LOW A
ALS Vial : 45 Sample Multiplier: 1

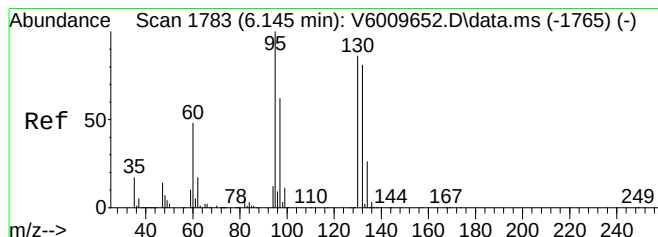
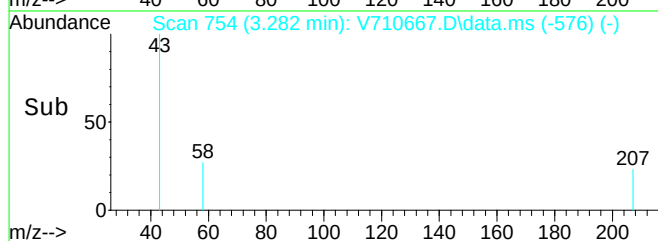
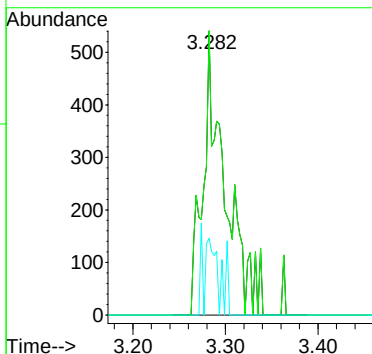
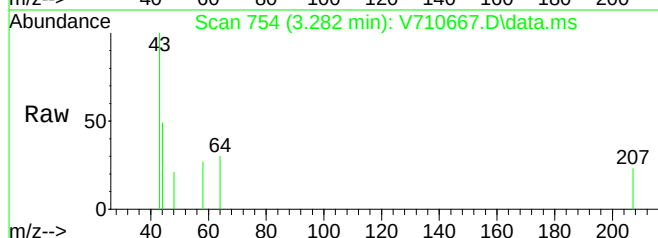
Quant Time: Sep 26 15:45:06 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





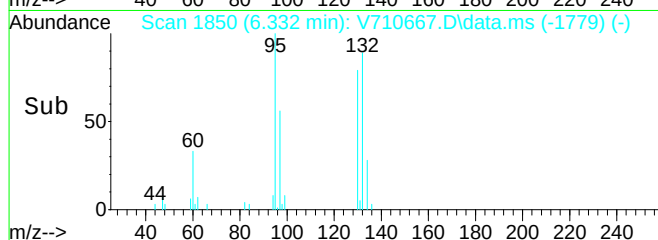
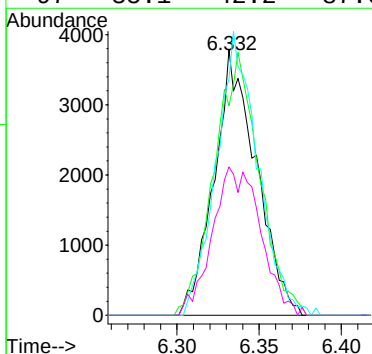
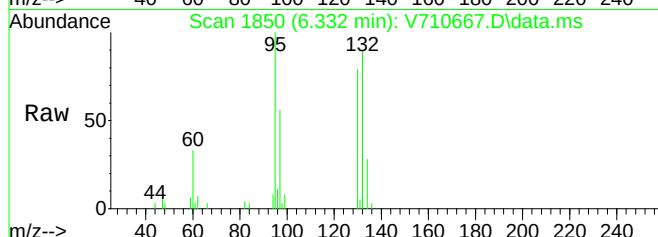
#12
Acetone
Concen: 0.53 ppb m
RT: 3.282 min Scan# 754
Delta R.T. -0.006 min
Lab File: V710667.D
Acq: 23 Sep 2016 4:43 am

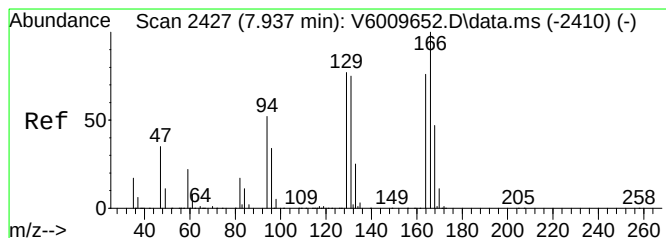
Tgt Ion: 43 Resp: 920
Ion Ratio Lower Upper
43 100
43 44.7 80.0 120.0#
58 11.5 16.0 47.9#



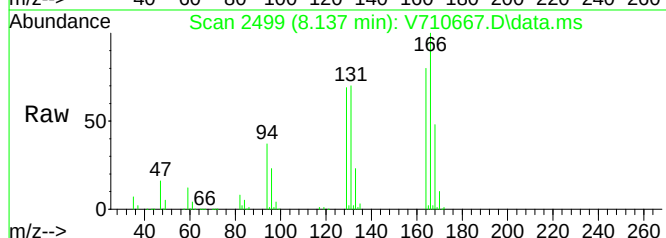
#41
Trichloroethylene
Concen: 0.75 ppb
RT: 6.332 min Scan# 1850
Delta R.T. -0.003 min
Lab File: V710667.D
Acq: 23 Sep 2016 4:43 am

Tgt Ion: 95 Resp: 6743
Ion Ratio Lower Upper
95 100
130 105.7 66.8 138.6
132 105.5 65.8 136.6
97 35.1 42.2 87.6#

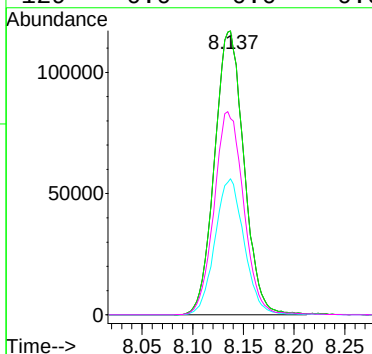
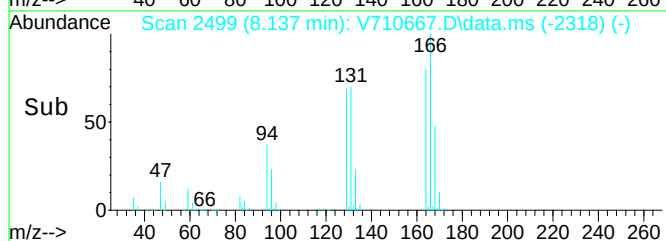




#56
Tetrachloroethylene
Concen: 18.92 ppb
RT: 8.137 min Scan# 2499
Delta R.T. 0.003 min
Lab File: V710667.D
Acq: 23 Sep 2016 4:43 am



Tgt Ion:	166	Resp:	236503
Ion Ratio	Lower	Upper	
166	100		
166	100.0	65.0	135.0
168	47.6	31.1	64.7
129	0.0	0.0	0.0



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-98-05BR

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-06 File ID: V710668.D
 Sampled: 09/14/16 12:35 Prepared: 09/22/16 20:06 Analyzed: 09/23/16 05:09
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61100 Sequence: Y6I2626 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-98-05BR

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-06 File ID: V710668.D
 Sampled: 09/14/16 12:35 Prepared: 09/22/16 20:06 Analyzed: 09/23/16 05:09
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61100 Sequence: Y612626 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.1	101	69 - 130	
Toluene-d8	10.0	9.75	97.5	81 - 117	
p-Bromofluorobenzene	10.0	10.1	101	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\data\V7092216\
 Data File : V710668.D
 Acq On : 23 Sep 2016 5:09 am
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-06
 Misc : QBV7092216A 8260 LOW A
 ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 26 15:45:45 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

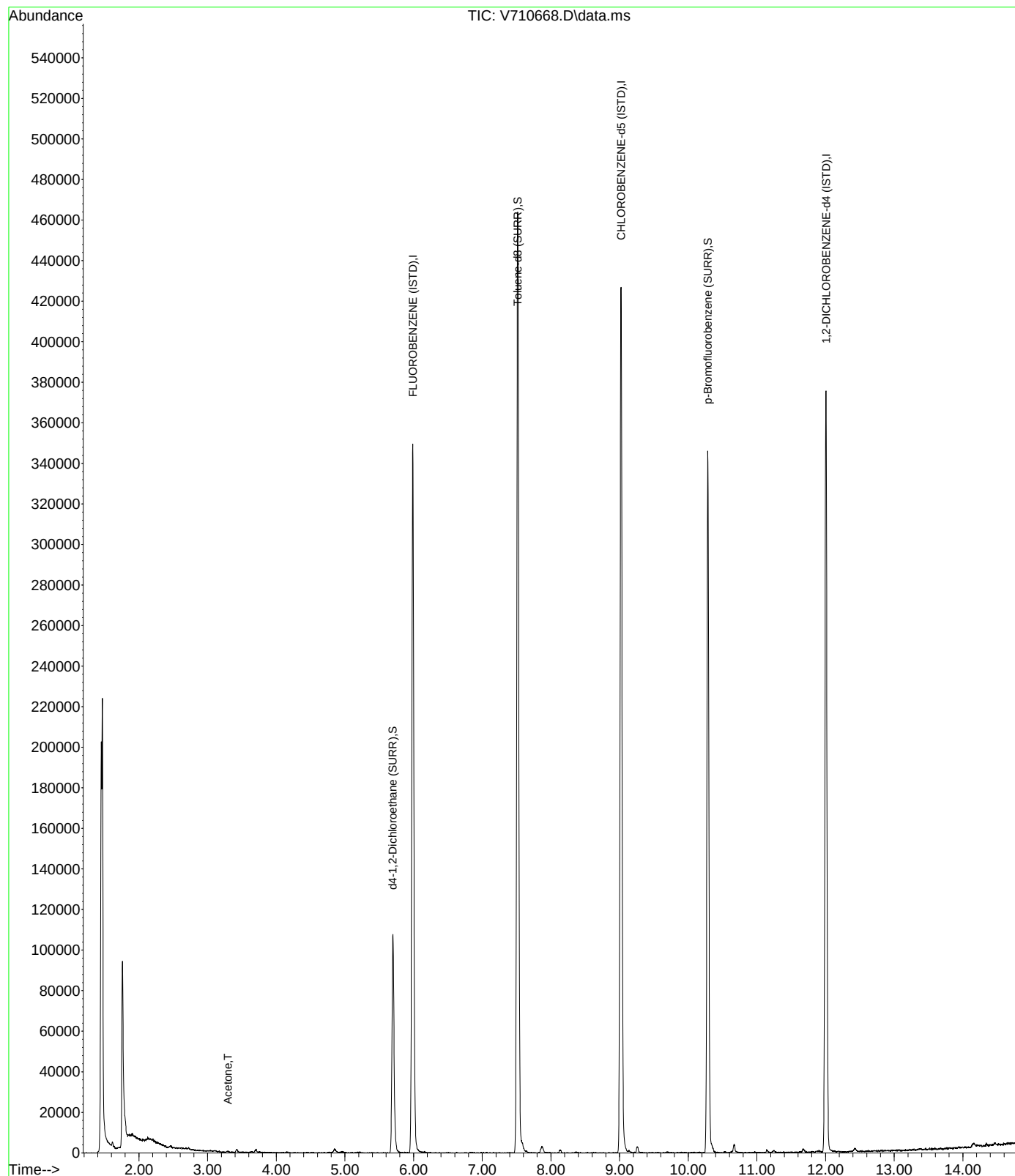
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

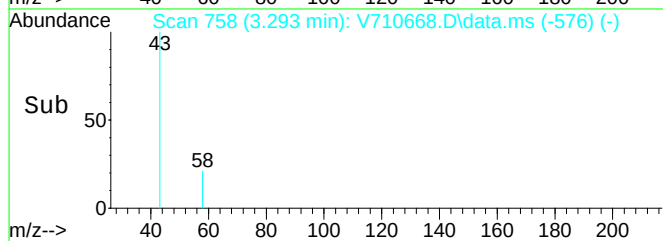
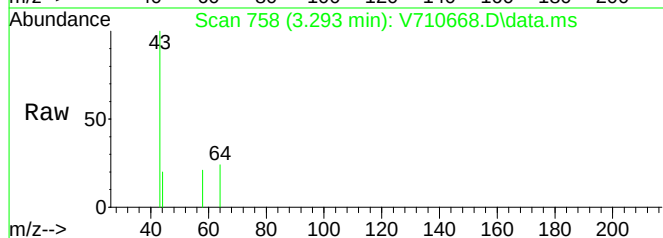
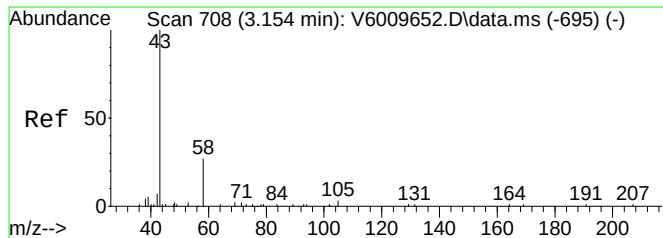
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	68506	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	306234	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.007	152	129748	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	74042	10.13	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	101.30%	
51) Toluene-d8 (SURR)	7.517	98	371166	9.75	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	97.50%	
70) p-Bromofluorobenzene (...)	10.285	95	147477	10.12	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	101.20%	
Target Compounds						
12) Acetone	3.293	43	1071m	0.61	ppb	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\V7092216\
Data File : V710668.D
Acq On : 23 Sep 2016 5:09 am
InstName : MSV0A7
Operator : SS
Sample : 16I0590-06
Misc : QBV7092216A 8260 LOW A
ALS Vial : 46 Sample Multiplier: 1

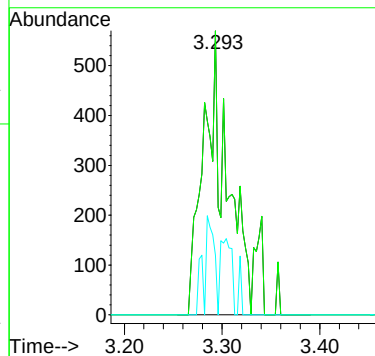
Quant Time: Sep 26 15:45:45 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





#12
 Acetone
 Concen: 0.61 ppb m
 RT: 3.293 min Scan# 758
 Delta R.T. 0.005 min
 Lab File: V710668.D
 Acq: 23 Sep 2016 5:09 am

Tgt Ion: 43 Resp: 1071
 Ion Ratio Lower Upper
 43 100
 43 39.2 80.0 120.0#
 58 13.8 16.0 47.9#



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-45A

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-07 File ID: V710666.D
 Sampled: 09/14/16 12:50 Prepared: 09/22/16 08:06 Analyzed: 09/24/16 03:19
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61178 Sequence: Y612617 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-45A

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-07 File ID: V710666.D
 Sampled: 09/14/16 12:50 Prepared: 09/22/16 08:06 Analyzed: 09/24/16 03:19
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61178 Sequence: Y612617 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	2.1	
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	9.99	99.9	69 - 130	
Toluene-d8	10.0	9.62	96.2	81 - 117	
p-Bromofluorobenzene	10.0	9.99	99.9	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\data\V7092316\
 Data File : V710666.D
 Acq On : 24 Sep 2016 3:19 am
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-07
 Misc : QBV7092316B 8260 LOW A
 ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 26 13:22:02 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

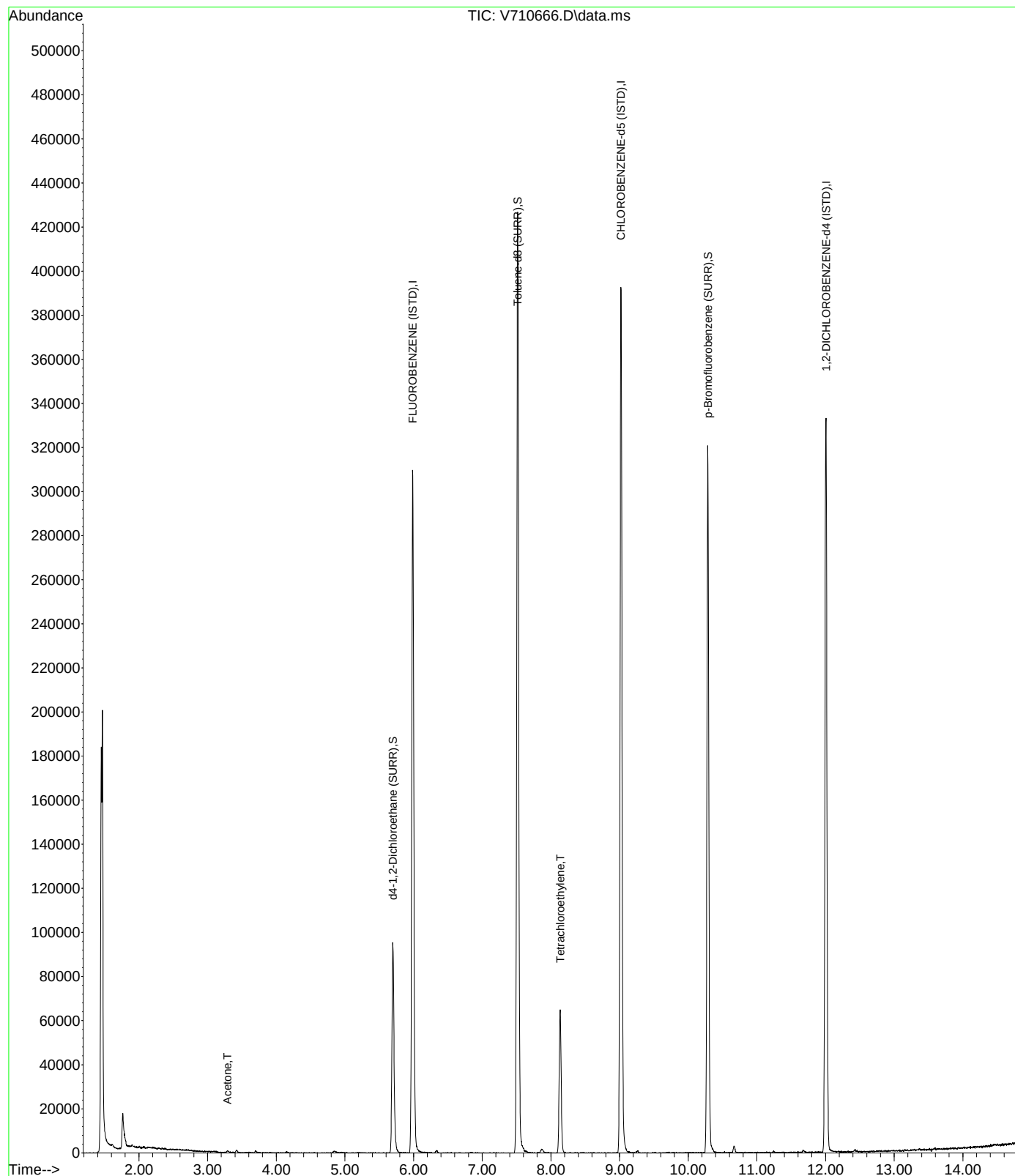
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

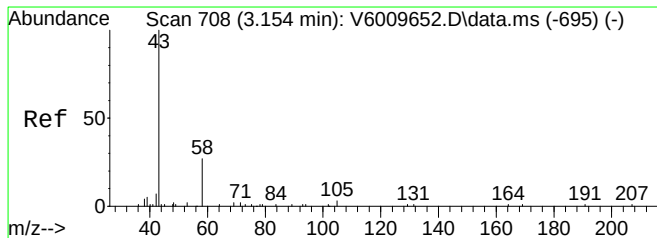
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.987	70	62329	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.019	117	279772	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.007	152	117854	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	66421	9.99	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	99.90%	
51) Toluene-d8 (SURR)	7.517	98	334541	9.62	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	96.20%	
70) p-Bromofluorobenzene (...)	10.288	95	132255	9.99	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	99.90%	
Target Compounds						Qvalue
12) Acetone	3.288	43	1386m	0.87	ppb	
56) Tetrachloroethylene	8.135	166	24106	2.12	ppb	# 77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\V7092316\
Data File : V710666.D
Acq On : 24 Sep 2016 3:19 am
InstName : MSV0A7
Operator : SS
Sample : 16I0590-07
Misc : QBV7092316B 8260 LOW A
ALS Vial : 42 Sample Multiplier: 1

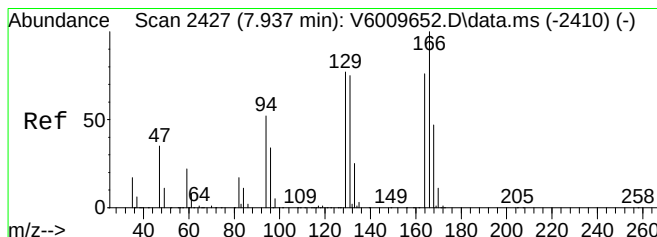
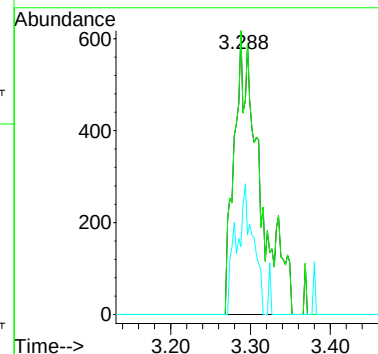
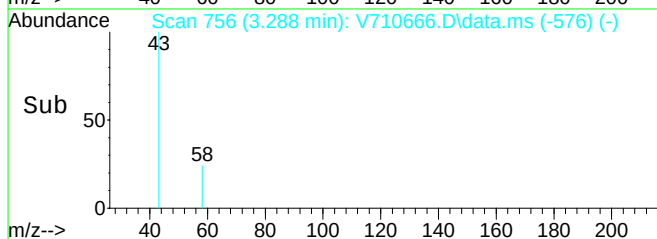
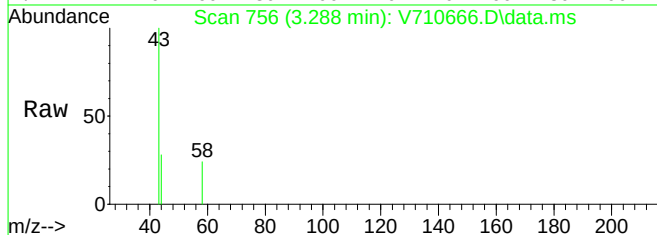
Quant Time: Sep 26 13:22:02 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





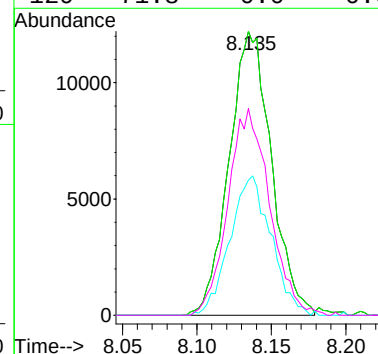
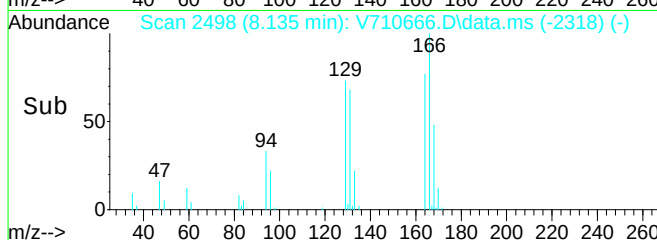
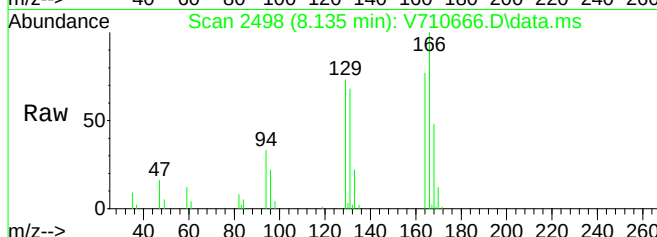
#12
Acetone
Concen: 0.87 ppb m
RT: 3.288 min Scan# 756
Delta R.T. -0.000 min
Lab File: V710666.D
Acq: 24 Sep 2016 3:19 am

Tgt Ion: 43 Resp: 1386
Ion Ratio Lower Upper
43 100
43 42.1 80.0 120.0#
58 18.9 16.0 47.9



#56
Tetrachloroethylene
Concen: 2.12 ppb
RT: 8.135 min Scan# 2498
Delta R.T. 0.000 min
Lab File: V710666.D
Acq: 24 Sep 2016 3:19 am

Tgt Ion: 166 Resp: 24106
Ion Ratio Lower Upper
166 100
166 100.0 65.0 135.0
168 0.0 31.1 64.7#
129 71.8 0.0 0.0#



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-45B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-08 File ID: V710667.D
 Sampled: 09/14/16 12:20 Prepared: 09/22/16 08:06 Analyzed: 09/24/16 03:45
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61178 Sequence: Y612617 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-45B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-08 File ID: V710667.D
 Sampled: 09/14/16 12:20 Prepared: 09/22/16 08:06 Analyzed: 09/24/16 03:45
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61178 Sequence: Y612617 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.3	103	69 - 130	
Toluene-d8	10.0	9.71	97.1	81 - 117	
p-Bromofluorobenzene	10.0	10.0	100	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\data\V7092316\
 Data File : V710667.D
 Acq On : 24 Sep 2016 3:45 am
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-08
 Misc : QBV7092316B 8260 LOW A
 ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 26 13:22:31 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

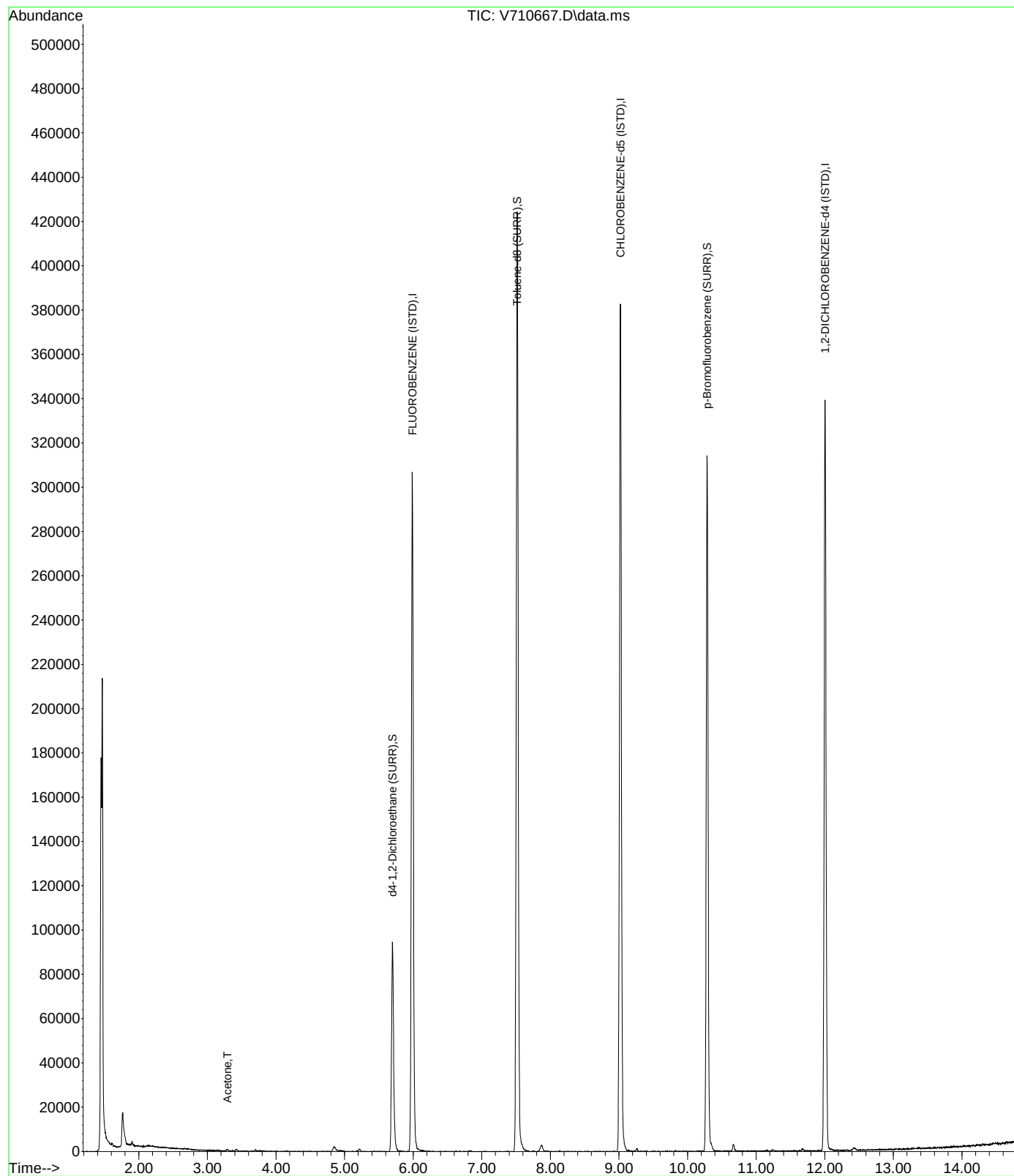
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

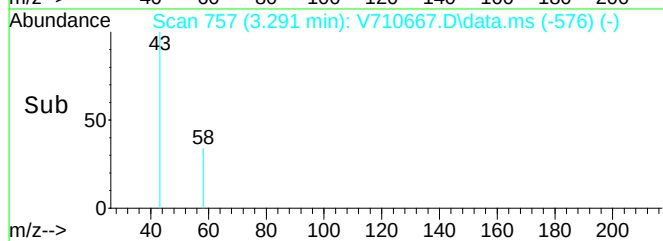
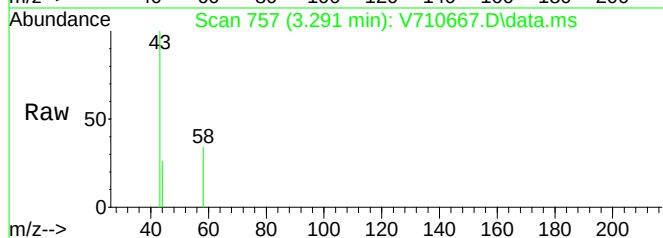
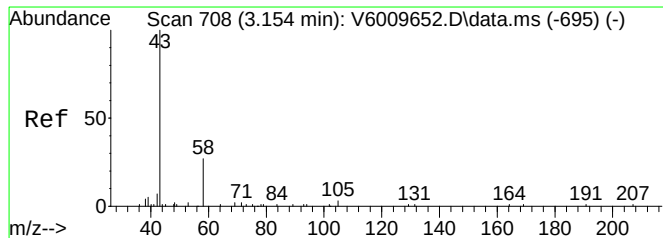
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	60294	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	273594	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	115768	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	65942	10.26	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	102.60%	
51) Toluene-d8 (SURR)	7.517	98	330400	9.71	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	97.10%	
70) p-Bromofluorobenzene (...)	10.285	95	130272	10.02	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	100.20%	
Target Compounds						
12) Acetone	3.291	43	1291m	0.84	ppb	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\V7092316\
Data File : V710667.D
Acq On : 24 Sep 2016 3:45 am
InstName : MSV0A7
Operator : SS
Sample : 16I0590-08
Misc : QBV7092316B 8260 LOW A
ALS Vial : 43 Sample Multiplier: 1

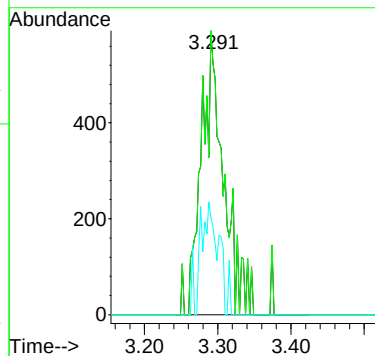
Quant Time: Sep 26 13:22:31 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





#12
 Acetone
 Concen: 0.84 ppb m
 RT: 3.291 min Scan# 757
 Delta R.T. 0.003 min
 Lab File: V710667.D
 Acq: 24 Sep 2016 3:45 am

Tgt Ion: 43 Resp: 1291
 Ion Ratio Lower Upper
 43 100
 43 29.5 80.0 120.0#
 58 11.4 16.0 47.9#



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-52A

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-09 File ID: V6020212.D
 Sampled: 09/14/16 11:40 Prepared: 09/26/16 08:39 Analyzed: 09/26/16 17:32
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED Instrument: MSVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	2.0	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.4	
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-52A

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-09 File ID: V6020212.D
 Sampled: 09/14/16 11:40 Prepared: 09/26/16 08:39 Analyzed: 09/26/16 17:32
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED Instrument: MSVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	9.48	94.8	69 - 130	
Toluene-d8	10.0	9.96	99.6	81 - 117	
p-Bromofluorobenzene	10.0	9.74	97.4	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\DATA\V6092616\
 Data File : V6020212.D
 Acq On : 26 Sep 2016 5:32 pm
 InstName : MSVOA6
 Operator : SS
 Sample : 16I0590-09
 Misc : QBV6092616A 8260 LOW A
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 27 12:30:05 2016
 Quant Method : C:\msdchem\1\METHODS\V6L00099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 12:01:14 2016
 Response via : Initial Calibration

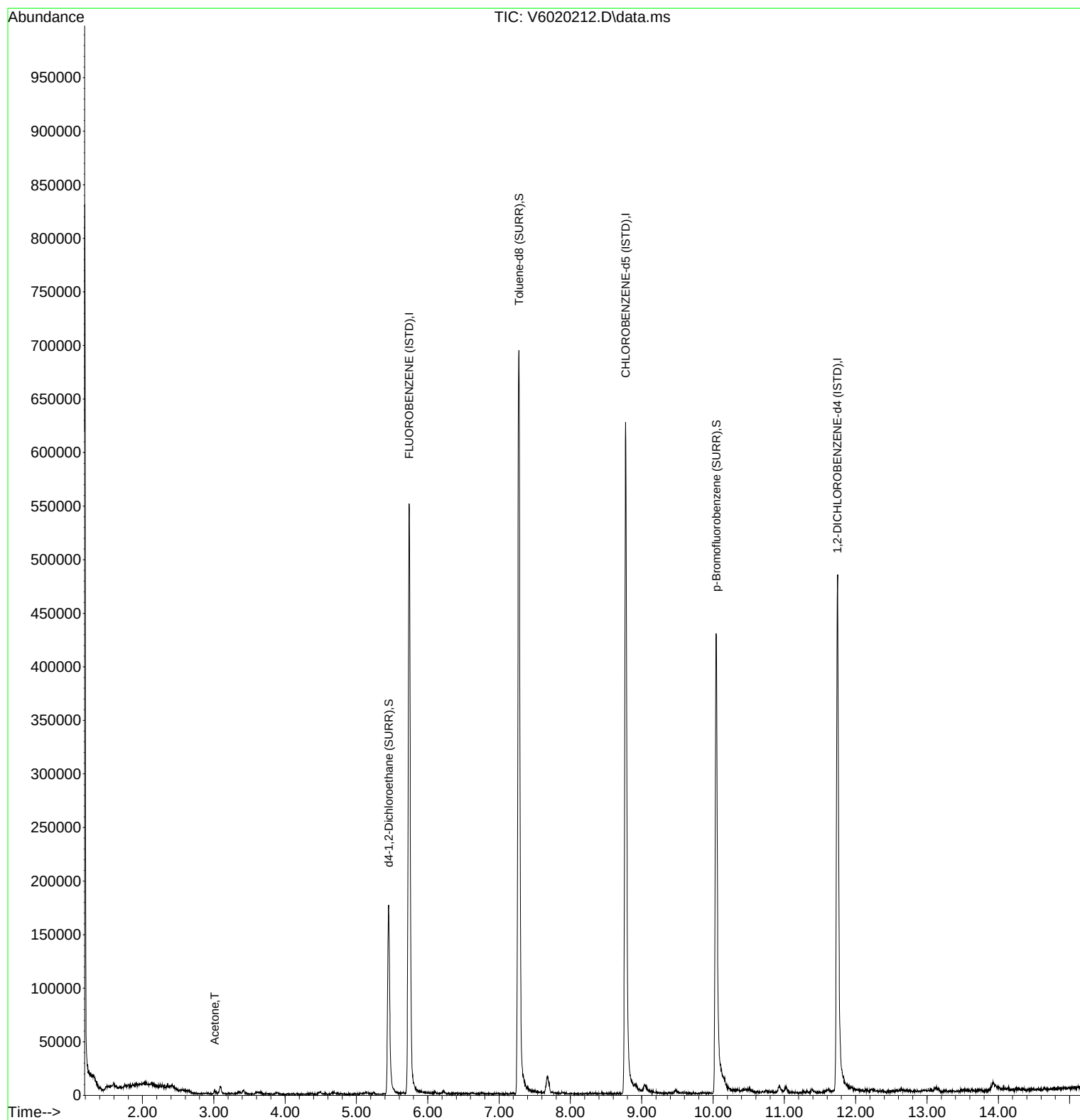
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

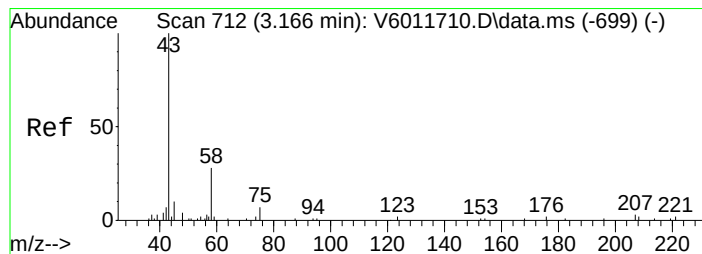
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.739	70	113447	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	8.775	117	367005	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.740	152	144671	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.453	65	141871	9.48	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	94.80%	
51) Toluene-d8 (SURR)	7.278	98	524716	9.96	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	99.60%	
70) p-Bromofluorobenzene (...)	10.046	95	205756	9.74	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	97.40%	
Target Compounds						
12) Acetone	3.013	43	6479m	2.37	ppb	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\V6092616\
Data File : V6020212.D
Acq On : 26 Sep 2016 5:32 pm
InstName : MSVOA6
Operator : SS
Sample : 16I0590-09
Misc : QBV6092616A 8260 LOW A
ALS Vial : 13 Sample Multiplier: 1

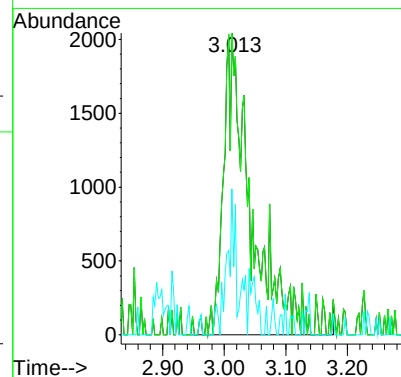
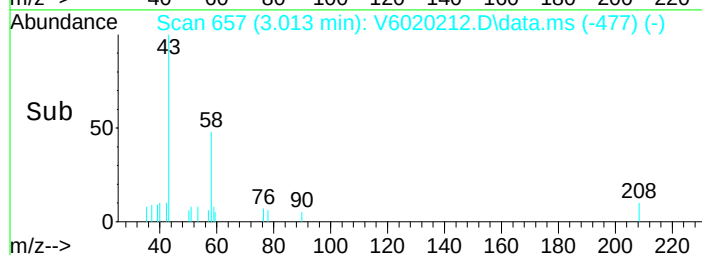
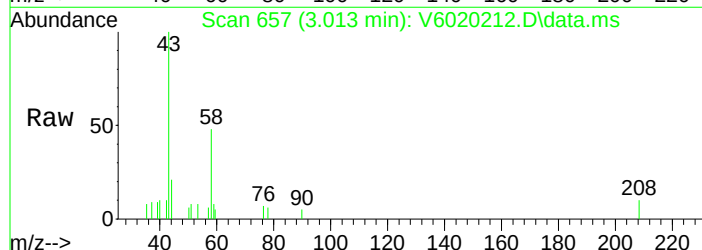
Quant Time: Sep 27 12:30:05 2016
Quant Method : C:\msdchem\1\METHODS\V6L00099.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Fri Sep 23 12:01:14 2016
Response via : Initial Calibration





#12
 Acetone
 Concen: 2.37 ppb m
 RT: 3.013 min Scan# 657
 Delta R.T. 0.000 min
 Lab File: V6020212.D
 Acq: 26 Sep 2016 5:32 pm

Tgt Ion	Ratio	Lower	Upper
43	100		
43	14.3	80.0	120.0#
58	3.5	13.9	41.6#



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-28A

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-10 File ID: V6020213.D
 Sampled: 09/15/16 07:55 Prepared: 09/26/16 08:39 Analyzed: 09/26/16 18:12
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED Instrument: MSVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	2.0	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-28A

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-10 File ID: V6020213.D
 Sampled: 09/15/16 07:55 Prepared: 09/26/16 08:39 Analyzed: 09/26/16 18:12
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED Instrument: MSVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	9.66	96.6	69 - 130	
Toluene-d8	10.0	10.2	102	81 - 117	
p-Bromofluorobenzene	10.0	9.72	97.2	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\DATA\V6092616\
 Data File : V6020213.D
 Acq On : 26 Sep 2016 6:12 pm
 InstName : MSVOA6
 Operator : SS
 Sample : 16I0590-10
 Misc : QBV6092616A 8260 LOW A
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 27 12:30:53 2016
 Quant Method : C:\msdchem\1\METHODS\V6L00099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 12:01:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

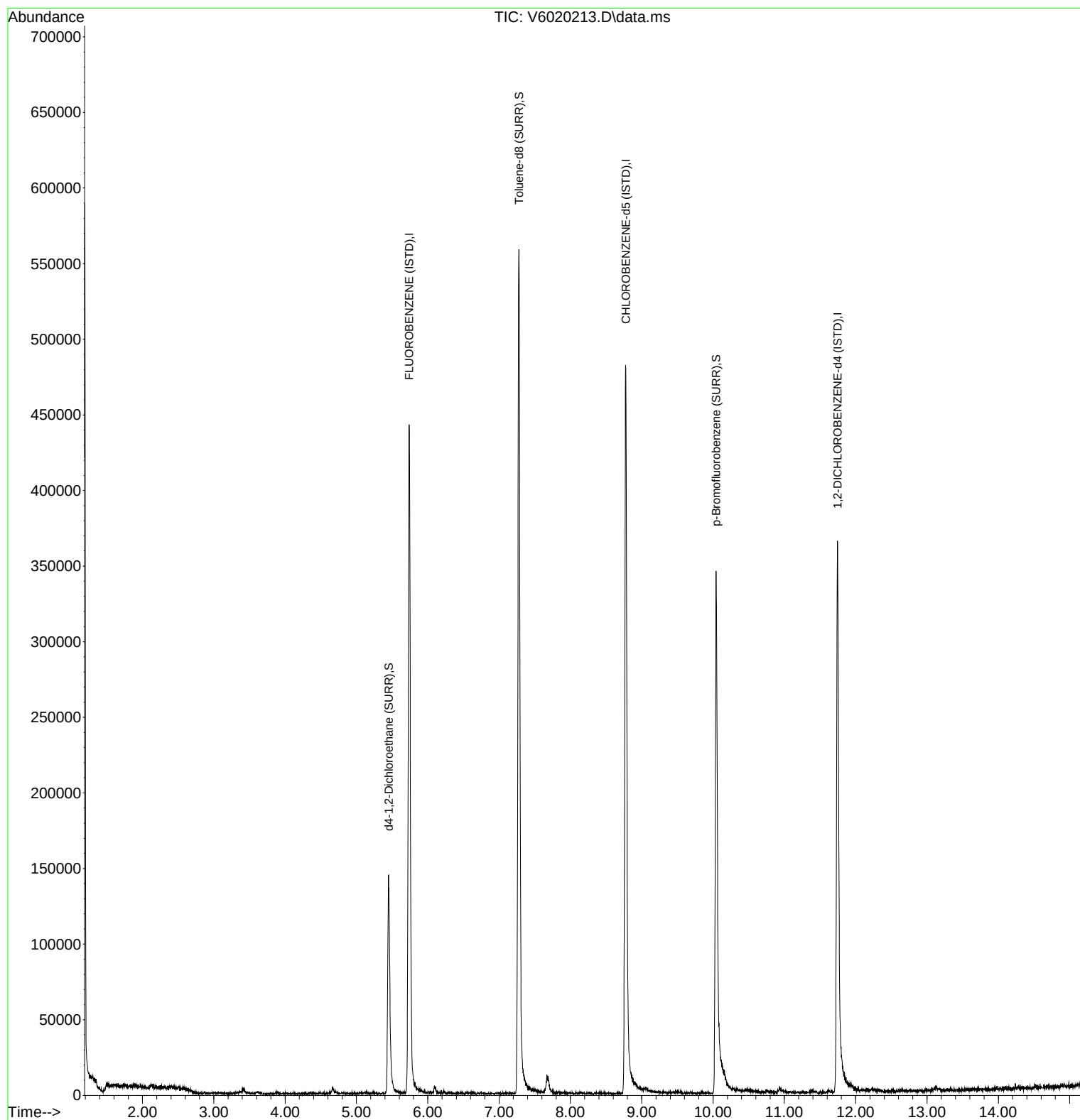
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.739	70	89504	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	8.777	117	293266	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.746	152	113571	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.450	65	113984	9.66	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	96.60%	
51) Toluene-d8 (SURR)	7.278	98	428813	10.19	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	101.90%	
70) p-Bromofluorobenzene (...)	10.043	95	161201	9.72	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	97.20%	

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\V6092616\
Data File : V6020213.D
Acq On : 26 Sep 2016 6:12 pm
InstName : MSVOA6
Operator : SS
Sample : 16I0590-10
Misc : QBV6092616A 8260 LOW A
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 27 12:30:53 2016
Quant Method : C:\msdchem\1\METHODS\V6L00099.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Fri Sep 23 12:01:14 2016
Response via : Initial Calibration



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-28B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-11 File ID: V6020214.D
 Sampled: 09/15/16 08:40 Prepared: 09/26/16 08:39 Analyzed: 09/26/16 18:52
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED Instrument: MSVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	2.0	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-28B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-11 File ID: V6020214.D
 Sampled: 09/15/16 08:40 Prepared: 09/26/16 08:39 Analyzed: 09/26/16 18:52
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED Instrument: MSVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	9.23	92.3	69 - 130	
Toluene-d8	10.0	9.87	98.7	81 - 117	
p-Bromofluorobenzene	10.0	10.3	103	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\DATA\V6092616\
 Data File : V6020214.D
 Acq On : 26 Sep 2016 6:52 pm
 InstName : MSVOA6
 Operator : SS
 Sample : 16I0590-11
 Misc : QBV6092616A 8260 LOW A
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 27 12:31:39 2016
 Quant Method : C:\msdchem\1\METHODS\V6L00099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 12:01:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

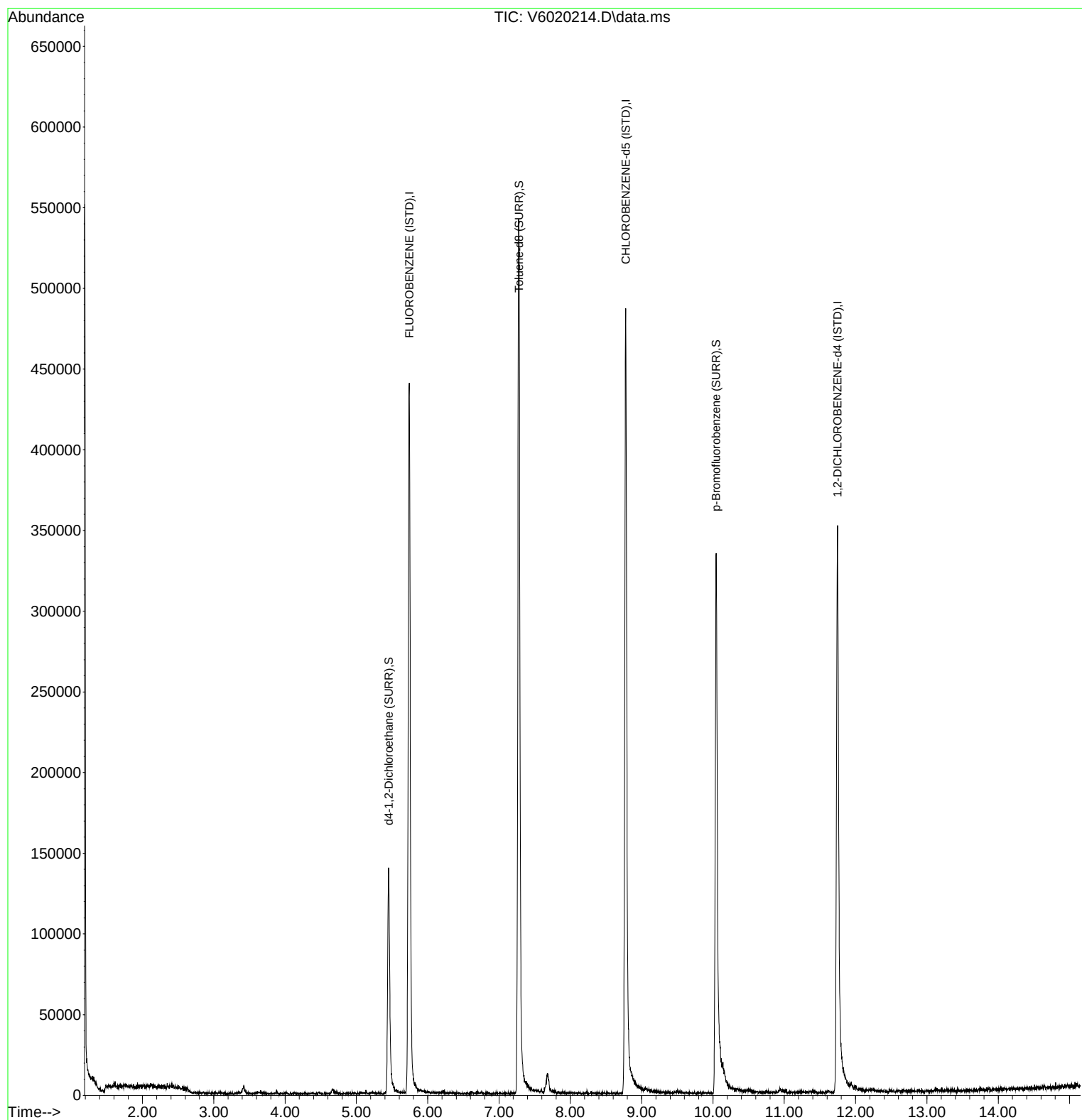
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.742	70	90871	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.777	117	291792	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.743	152	107626	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.450	65	110576	9.23	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	92.30%	
51) Toluene-d8 (SURR)	7.278	98	413490	9.87	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	98.70%	
70) p-Bromofluorobenzene (...)	10.043	95	161824	10.30	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	103.00%	

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\V6092616\
Data File : V6020214.D
Acq On : 26 Sep 2016 6:52 pm
InstName : MSVOA6
Operator : SS
Sample : 16I0590-11
Misc : QBV6092616A 8260 LOW A
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 27 12:31:39 2016
Quant Method : C:\msdchem\1\METHODS\V6L00099.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Fri Sep 23 12:01:14 2016
Response via : Initial Calibration



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-44A

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-12 File ID: V6020215.D
 Sampled: 09/14/16 06:45 Prepared: 09/26/16 08:39 Analyzed: 09/26/16 19:31
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED Instrument: MSVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	2.0	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-44A

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-12 File ID: V6020215.D
 Sampled: 09/14/16 06:45 Prepared: 09/26/16 08:39 Analyzed: 09/26/16 19:31
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED Instrument: MSVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	9.36	93.6	69 - 130	
Toluene-d8	10.0	10.1	101	81 - 117	
p-Bromofluorobenzene	10.0	10.4	104	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\DATA\V6092616\
 Data File : V6020215.D
 Acq On : 26 Sep 2016 7:31 pm
 InstName : MSVOA6
 Operator : SS
 Sample : 16I0590-12
 Misc : QBV6092616A 8260 LOW A
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 27 12:32:30 2016
 Quant Method : C:\msdchem\1\METHODS\V6L00099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 12:01:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

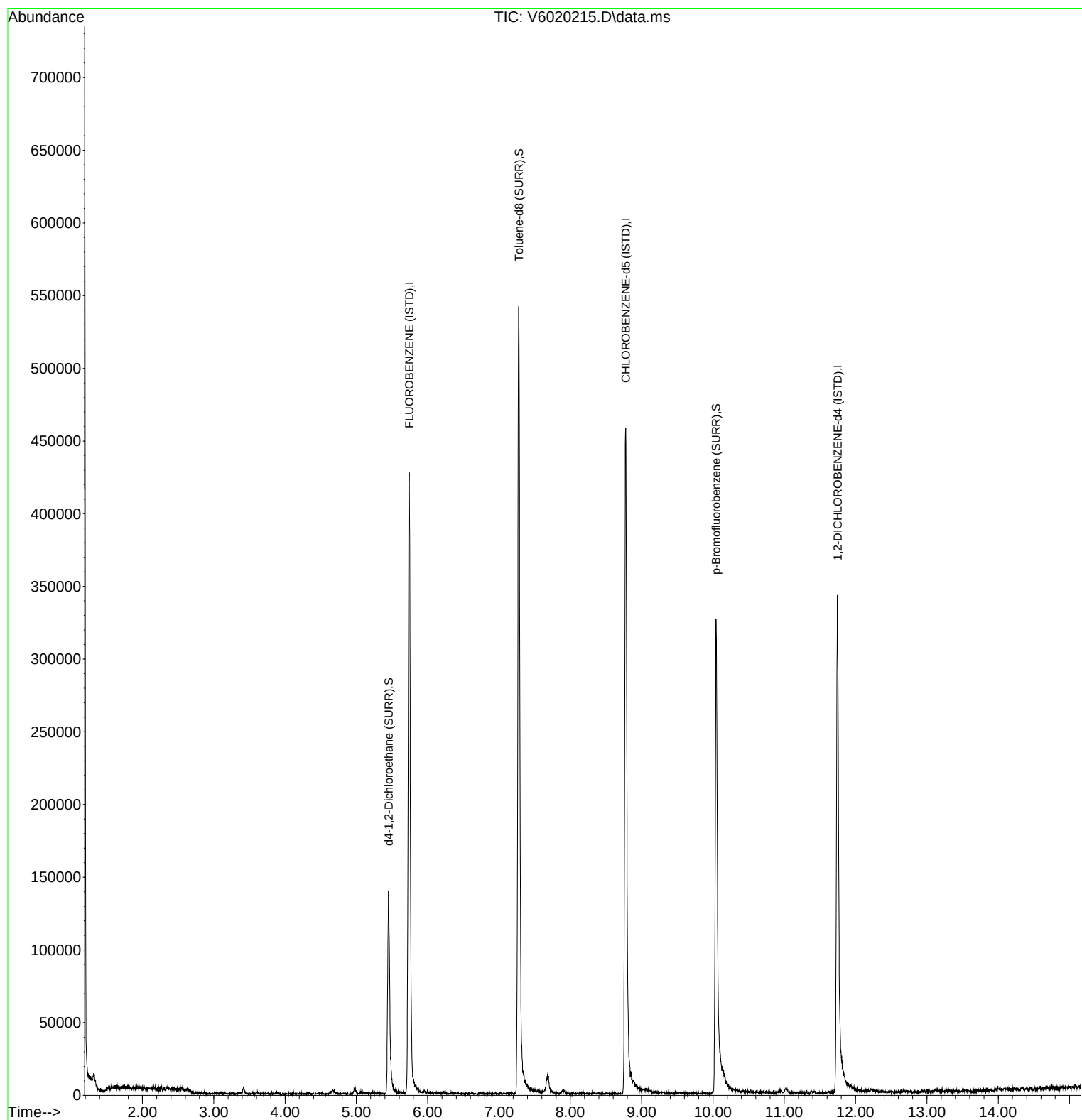
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.742	70	88544	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.777	117	281766	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.749	152	100531	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.452	65	109273	9.36	ppb	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	93.60%	
51) Toluene-d8 (SURR)	7.278	98	408336	10.10	ppb	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	101.00%	
70) p-Bromofluorobenzene (...)	10.043	95	153017	10.43	ppb	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	104.30%	

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\V6092616\
Data File : V6020215.D
Acq On : 26 Sep 2016 7:31 pm
InstName : MSVOA6
Operator : SS
Sample : 16I0590-12
Misc : QBV6092616A 8260 LOW A
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 27 12:32:30 2016
Quant Method : C:\msdchem\1\METHODS\V6L00099.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Fri Sep 23 12:01:14 2016
Response via : Initial Calibration



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-44B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries

Matrix: Water Laboratory ID: 16I0590-13 File ID: V6020216.D

Sampled: 09/14/16 07:10 Prepared: 09/26/16 08:39 Analyzed: 09/26/16 20:10

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED Instrument: MSVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	2.0	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.38	J
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-44B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-13 File ID: V6020216.D
 Sampled: 09/14/16 07:10 Prepared: 09/26/16 08:39 Analyzed: 09/26/16 20:10
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED Instrument: MSVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	9.20	92.0	69 - 130	
Toluene-d8	10.0	10.1	101	81 - 117	
p-Bromofluorobenzene	10.0	9.96	99.6	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\DATA\V6092616\
 Data File : V6020216.D
 Acq On : 26 Sep 2016 8:10 pm
 InstName : MSVOA6
 Operator : SS
 Sample : 16I0590-13
 Misc : QBV6092616A 8260 LOW A
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 27 12:33:28 2016
 Quant Method : C:\msdchem\1\METHODS\V6L00099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 12:01:14 2016
 Response via : Initial Calibration

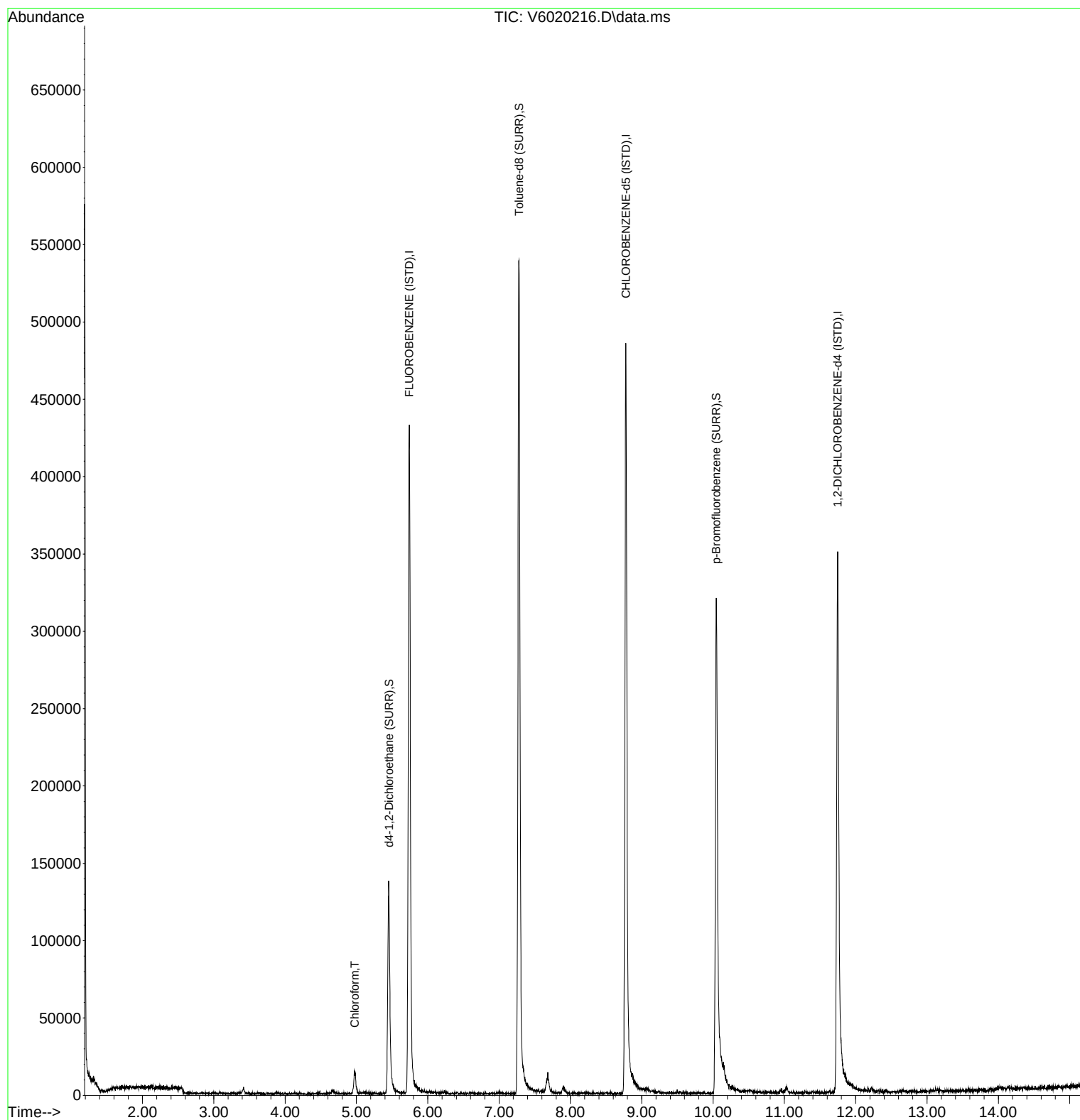
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

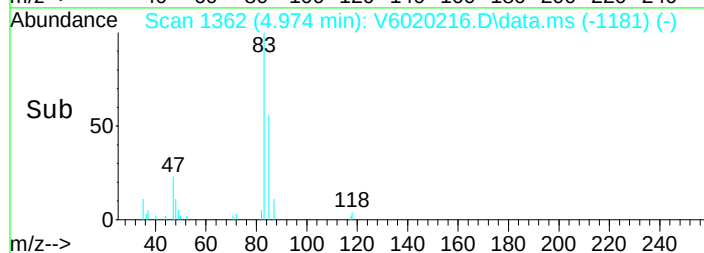
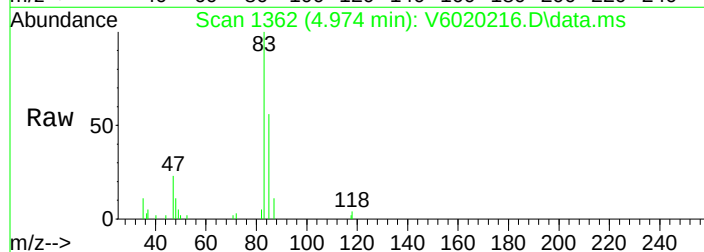
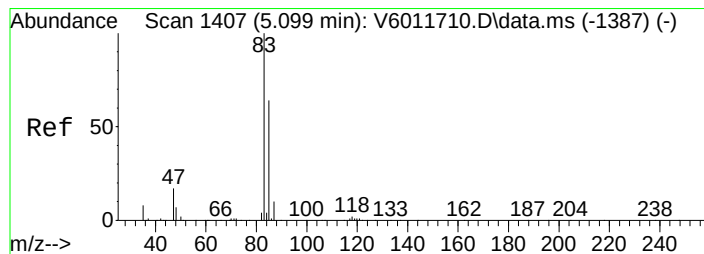
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.739	70	88436	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	8.777	117	287893	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.746	152	106956	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.455	65	107338	9.20	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	92.00%	
51) Toluene-d8 (SURR)	7.278	98	417899	10.11	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	101.10%	
70) p-Bromofluorobenzene (...)	10.043	95	155543	9.96	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	99.60%	
Target Compounds						
30) Chloroform	4.974	83	11903m	0.38	ppb	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\V6092616\
Data File : V6020216.D
Acq On : 26 Sep 2016 8:10 pm
InstName : MSVOA6
Operator : SS
Sample : 16I0590-13
Misc : QBV6092616A 8260 LOW A
ALS Vial : 17 Sample Multiplier: 1

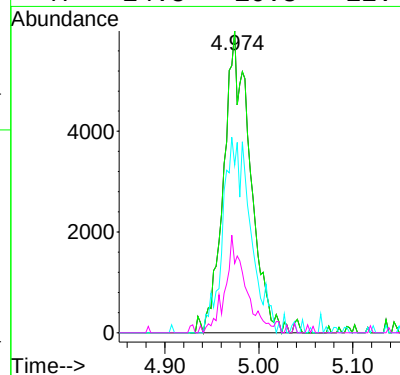
Quant Time: Sep 27 12:33:28 2016
Quant Method : C:\msdchem\1\METHODS\V6L00099.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Fri Sep 23 12:01:14 2016
Response via : Initial Calibration





#30
 Chloroform
 Concen: 0.38 ppb m
 RT: 4.974 min Scan# 1362
 Delta R.T. 0.003 min
 Lab File: V6020216.D
 Acq: 26 Sep 2016 8:10 pm

Tgt Ion:	83	Resp:	11903
Ion Ratio	Lower	Upper	
83	100		
83	57.7	65.0	135.0#
85	39.5	41.8	86.8#
47	24.5	10.8	22.4#



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-44C

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-14 File ID: V6020217.D
 Sampled: 09/14/16 07:55 Prepared: 09/26/16 08:39 Analyzed: 09/26/16 20:50
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED Instrument: MSVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	2.0	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-44C

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-14 File ID: V6020217.D
 Sampled: 09/14/16 07:55 Prepared: 09/26/16 08:39 Analyzed: 09/26/16 20:50
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED Instrument: MSVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	9.41	94.1	69 - 130	
Toluene-d8	10.0	10.1	101	81 - 117	
p-Bromofluorobenzene	10.0	10.1	101	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\DATA\V6092616\
 Data File : V6020217.D
 Acq On : 26 Sep 2016 8:50 pm
 InstName : MSVOA6
 Operator : SS
 Sample : 16I0590-14
 Misc : QBV6092616A 8260 LOW A
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 27 12:34:28 2016
 Quant Method : C:\msdchem\1\METHODS\V6L00099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 12:01:14 2016
 Response via : Initial Calibration

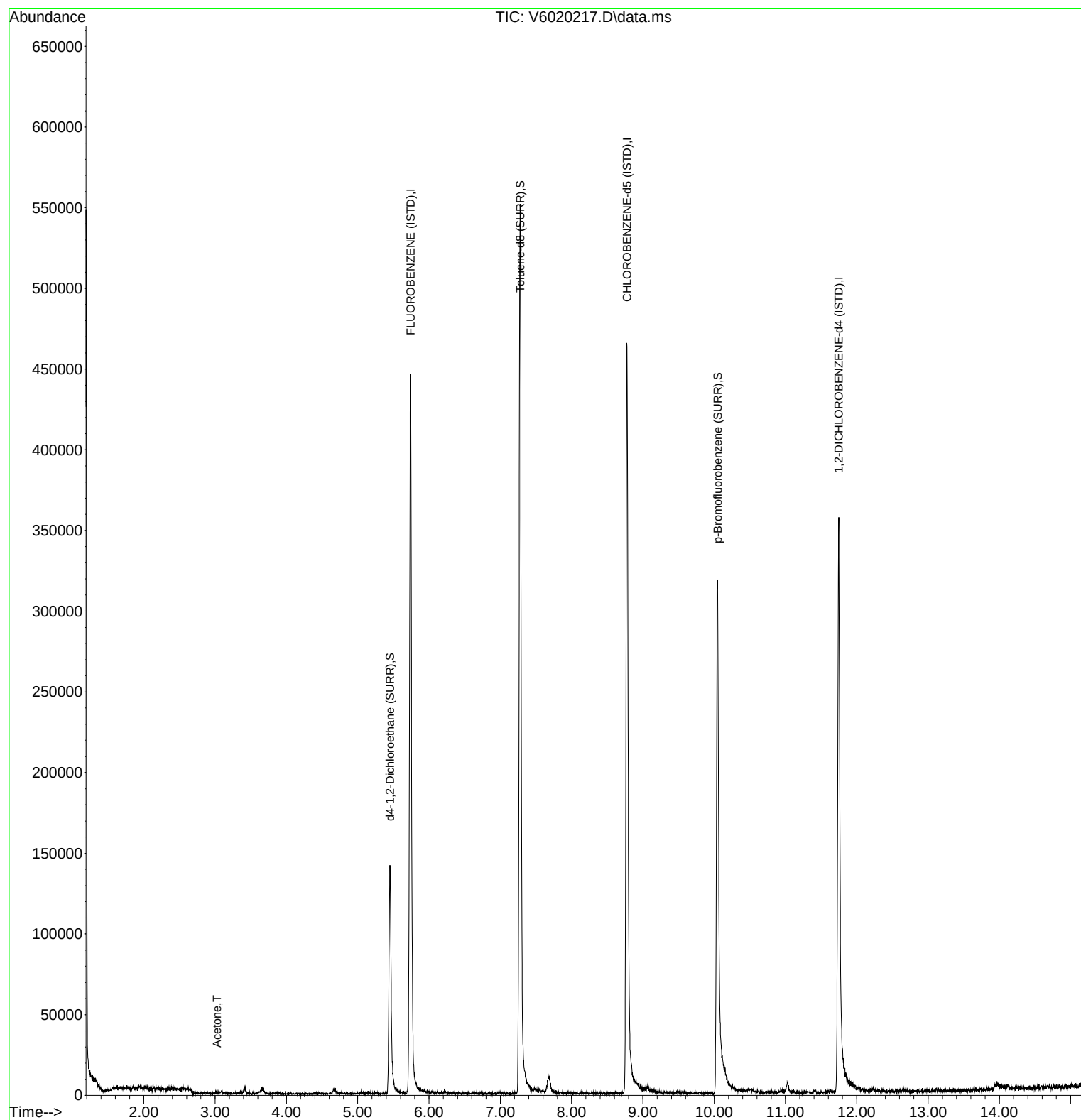
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

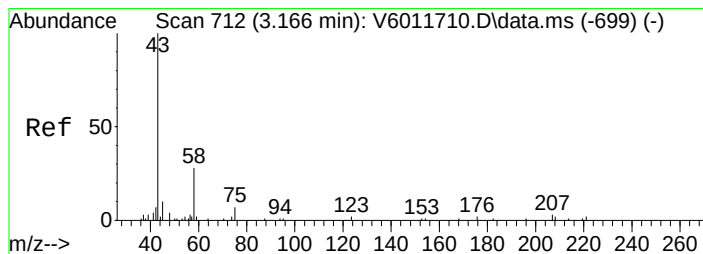
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.742	70	89361	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.777	117	281116	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.746	152	106504	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.452	65	110854	9.41	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	94.10%	
51) Toluene-d8 (SURR)	7.278	98	407584	10.10	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	101.00%	
70) p-Bromofluorobenzene (...)	10.049	95	157395	10.12	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	101.20%	
Target Compounds						
12) Acetone	3.024	43	1632m	0.76	ppb	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\V6092616\
Data File : V6020217.D
Acq On : 26 Sep 2016 8:50 pm
InstName : MSVOA6
Operator : SS
Sample : 16I0590-14
Misc : QBV6092616A 8260 LOW A
ALS Vial : 18 Sample Multiplier: 1

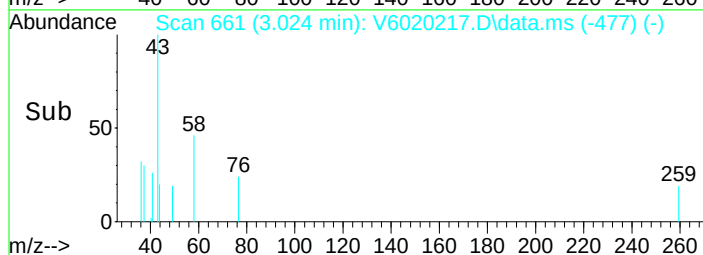
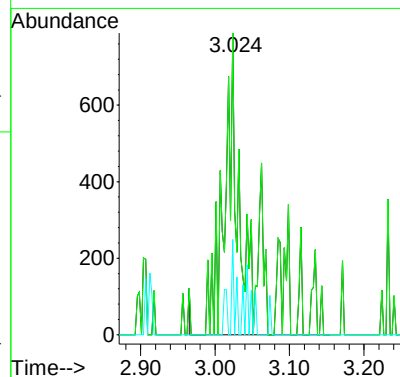
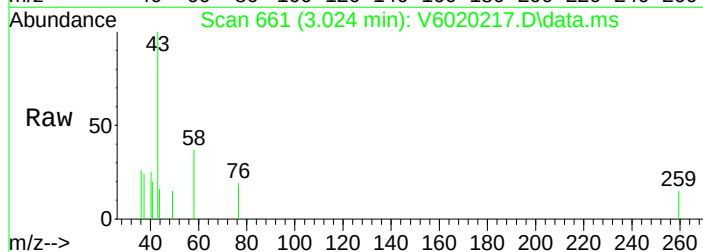
Quant Time: Sep 27 12:34:28 2016
Quant Method : C:\msdchem\1\METHODS\V6L00099.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Fri Sep 23 12:01:14 2016
Response via : Initial Calibration





#12
 Acetone
 Concen: 0.76 ppb m
 RT: 3.024 min Scan# 661
 Delta R.T. 0.011 min
 Lab File: V6020217.D
 Acq: 26 Sep 2016 8:50 pm

Tgt Ion: 43 Resp: 1632
 Ion Ratio Lower Upper
 43 100
 43 29.0 80.0 120.0#
 58 4.1 13.9 41.6#



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-47B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-15 File ID: V6020218.D
 Sampled: 09/15/16 08:56 Prepared: 09/26/16 08:39 Analyzed: 09/26/16 21:29
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED Instrument: MSVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	2.0	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-47B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-15 File ID: V6020218.D
 Sampled: 09/15/16 08:56 Prepared: 09/26/16 08:39 Analyzed: 09/26/16 21:29
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED Instrument: MSVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	9.33	93.3	69 - 130	
Toluene-d8	10.0	10.1	101	81 - 117	
p-Bromofluorobenzene	10.0	10.4	104	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\DATA\V6092616\
 Data File : V6020218.D
 Acq On : 26 Sep 2016 9:29 pm
 InstName : MSVOA6
 Operator : SS
 Sample : 16I0590-15
 Misc : QBV6092616A 8260 LOW A
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 27 12:35:27 2016
 Quant Method : C:\msdchem\1\METHODS\V6L00099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 12:01:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

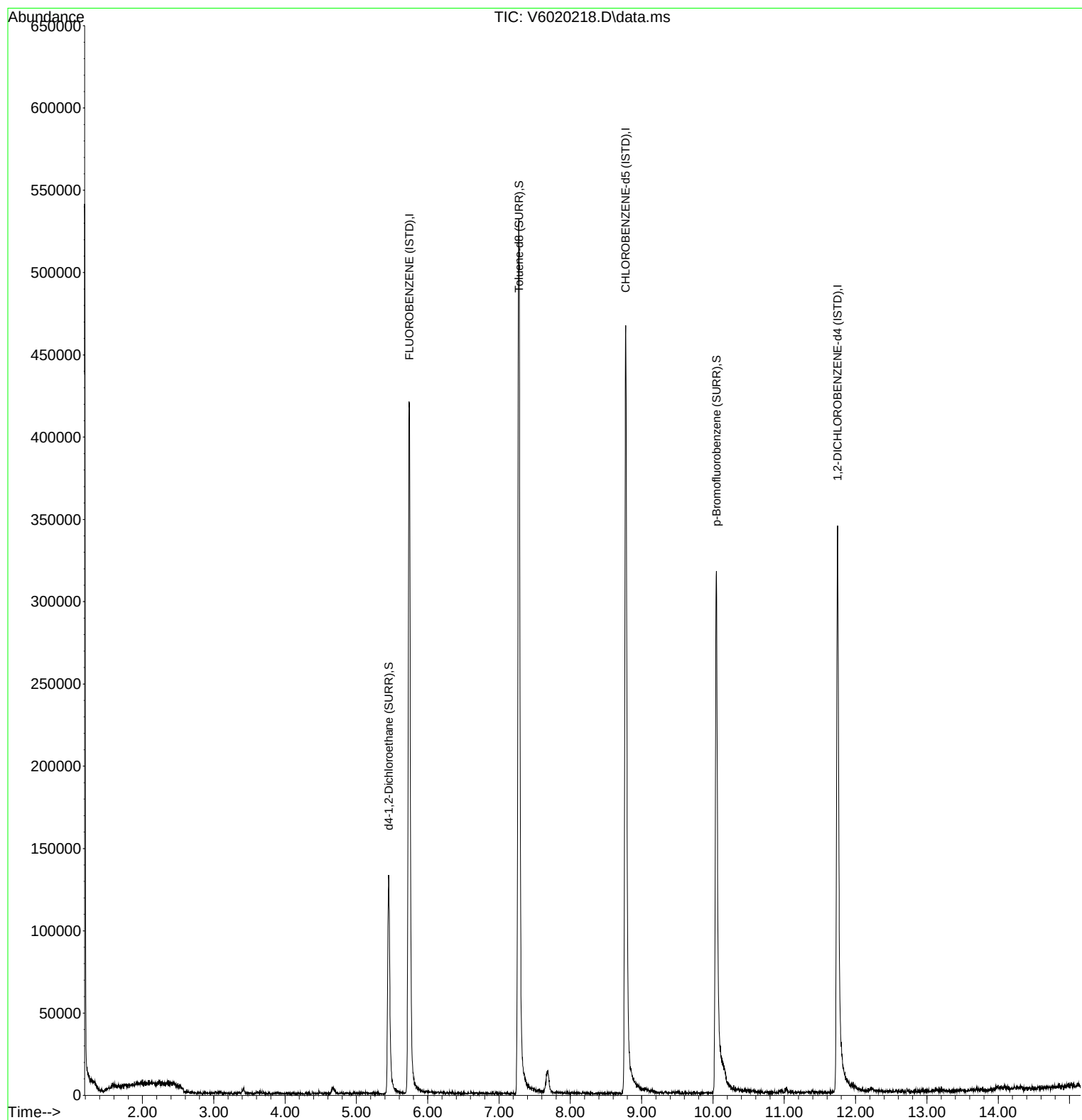
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.742	70	86510	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.775	117	282810	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.746	152	104042	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.453	65	106453	9.33	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	93.30%		
51) Toluene-d8 (SURR)	7.278	98	411670	10.14	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.40%		
70) p-Bromofluorobenzene (...)	10.049	95	157386	10.36	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.60%		

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\V6092616\
Data File : V6020218.D
Acq On : 26 Sep 2016 9:29 pm
InstName : MSVOA6
Operator : SS
Sample : 16I0590-15
Misc : QBV6092616A 8260 LOW A
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 27 12:35:27 2016
Quant Method : C:\msdchem\1\METHODS\V6L00099.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Fri Sep 23 12:01:14 2016
Response via : Initial Calibration



FORM I

ORGANIC ANALYSIS DATA SHEET

N-32

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-16 File ID: V6020219.D
 Sampled: 09/14/16 09:20 Prepared: 09/26/16 08:39 Analyzed: 09/26/16 22:09
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED Instrument: MSVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	2.0	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

N-32

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-16 File ID: V6020219.D
 Sampled: 09/14/16 09:20 Prepared: 09/26/16 08:39 Analyzed: 09/26/16 22:09
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED Instrument: MSVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	9.41	94.1	69 - 130	
Toluene-d8	10.0	10.4	104	81 - 117	
p-Bromofluorobenzene	10.0	9.55	95.5	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\DATA\V6092616\
 Data File : V6020219.D
 Acq On : 26 Sep 2016 10:09 pm
 InstName : MSVOA6
 Operator : SS
 Sample : 16I0590-16
 Misc : QBV6092616A 8260 LOW A
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 27 12:36:47 2016
 Quant Method : C:\msdchem\1\METHODS\V6L00099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 12:01:14 2016
 Response via : Initial Calibration

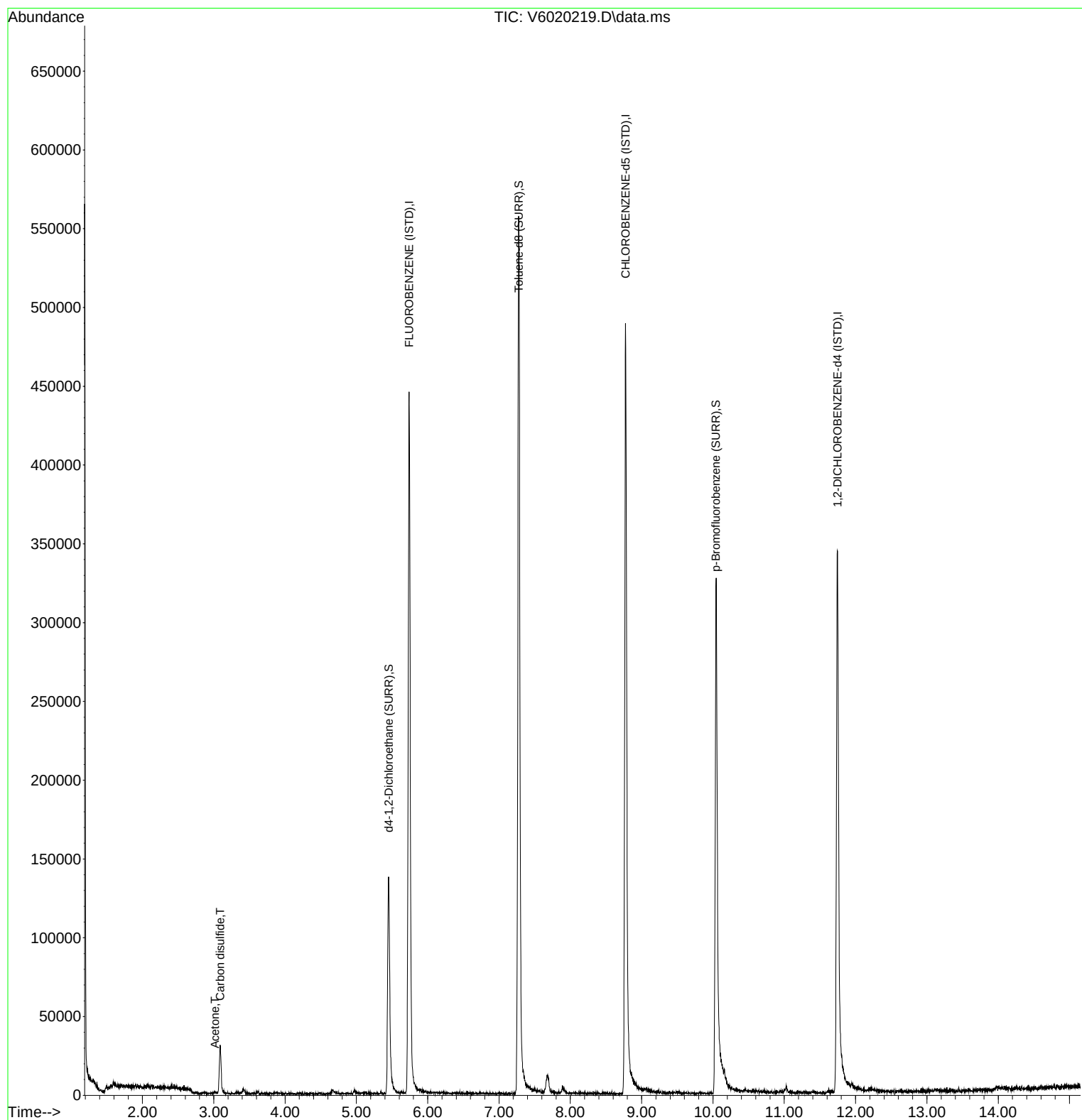
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

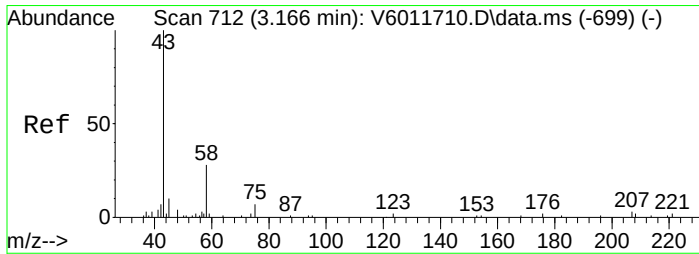
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.739	70	90742	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	8.775	117	283435	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.746	152	108478	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.450	65	112605	9.41	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	94.10%	
51) Toluene-d8 (SURR)	7.275	98	421906	10.37	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	103.70%	
70) p-Bromofluorobenzene (...)	10.041	95	151186	9.55	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	95.50%	
Target Compounds						
12) Acetone	3.015	43	749	0.34	ppb	Qvalue 95
15) Carbon disulfide	3.091	76	41572	0.91	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\V6092616\
Data File : V6020219.D
Acq On : 26 Sep 2016 10:09 pm
InstName : MSVOA6
Operator : SS
Sample : 16I0590-16
Misc : QBV6092616A 8260 LOW A
ALS Vial : 20 Sample Multiplier: 1

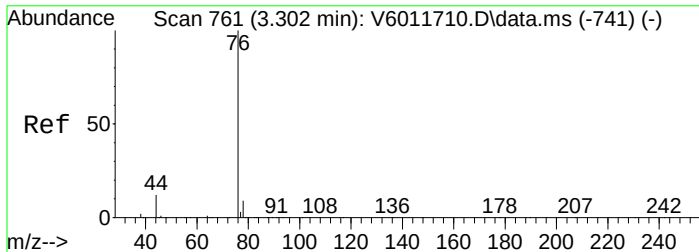
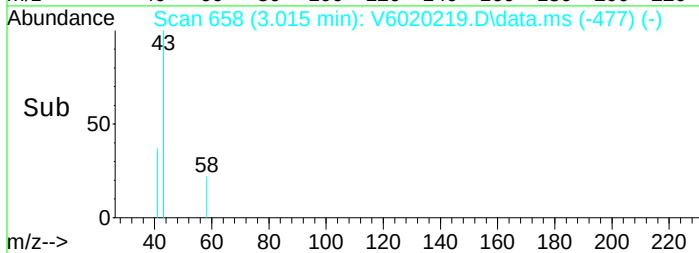
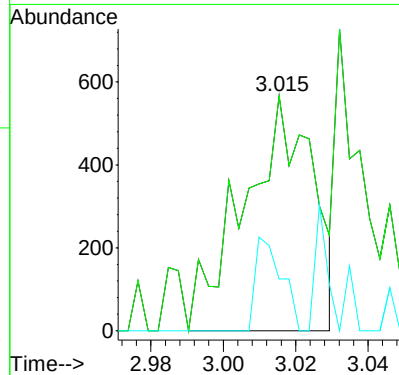
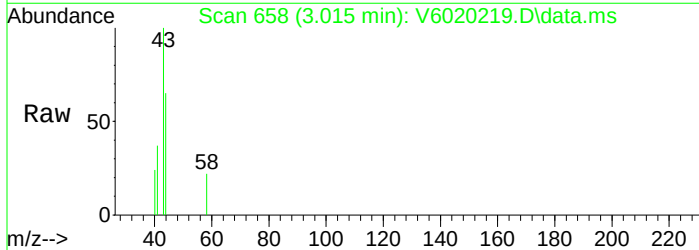
Quant Time: Sep 27 12:36:47 2016
Quant Method : C:\msdchem\1\METHODS\V6L00099.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Fri Sep 23 12:01:14 2016
Response via : Initial Calibration





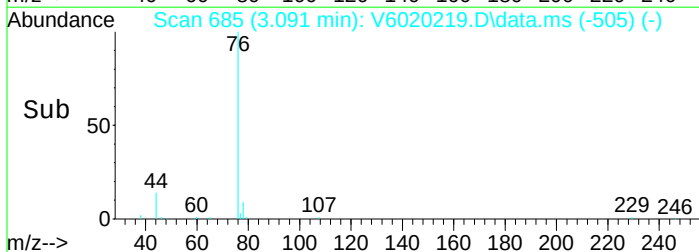
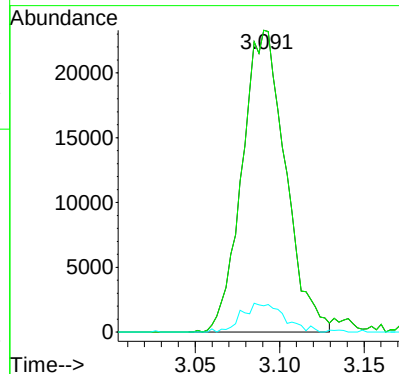
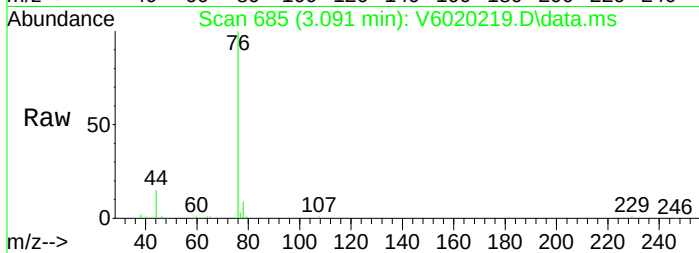
#12
Acetone
Concen: 0.34 ppb
RT: 3.015 min Scan# 658
Delta R.T. 0.003 min
Lab File: V6020219.D
Acq: 26 Sep 2016 10:09 pm

Tgt Ion: 43 Resp: 749
Ion Ratio Lower Upper
43 100
43 100.0 80.0 120.0
58 15.2 13.9 41.6



#15
Carbon disulfide
Concen: 0.91 ppb
RT: 3.091 min Scan# 685
Delta R.T. 0.000 min
Lab File: V6020219.D
Acq: 26 Sep 2016 10:09 pm

Tgt Ion: 76 Resp: 41572
Ion Ratio Lower Upper
76 100
76 100.0 65.0 135.0
78 9.2 4.7 14.0



FORM I

ORGANIC ANALYSIS DATA SHEET

N-32B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-17 File ID: V8003787.D
 Sampled: 09/14/16 10:10 Prepared: 09/27/16 08:02 Analyzed: 09/27/16 13:03
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61289 Sequence: Y612713 Calibration: YI60005 Instrument: VOA No. 8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.21	J
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

N-32B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-17 File ID: V8003787.D
 Sampled: 09/14/16 10:10 Prepared: 09/27/16 08:02 Analyzed: 09/27/16 13:03
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61289 Sequence: Y612713 Calibration: YI60005 Instrument: VOA No. 8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.2	102	69 - 130	
Toluene-d8	10.0	10.0	100	81 - 117	
p-Bromofluorobenzene	10.0	10.5	105	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\data\092716\
 Data File : V8003787.D
 Acq On : 27 Sep 2016 1:03 pm
 Operator : BK
 Sample : 16I0590-17
 Misc : V8092716A 8260 LOW A
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 27 15:21:00 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

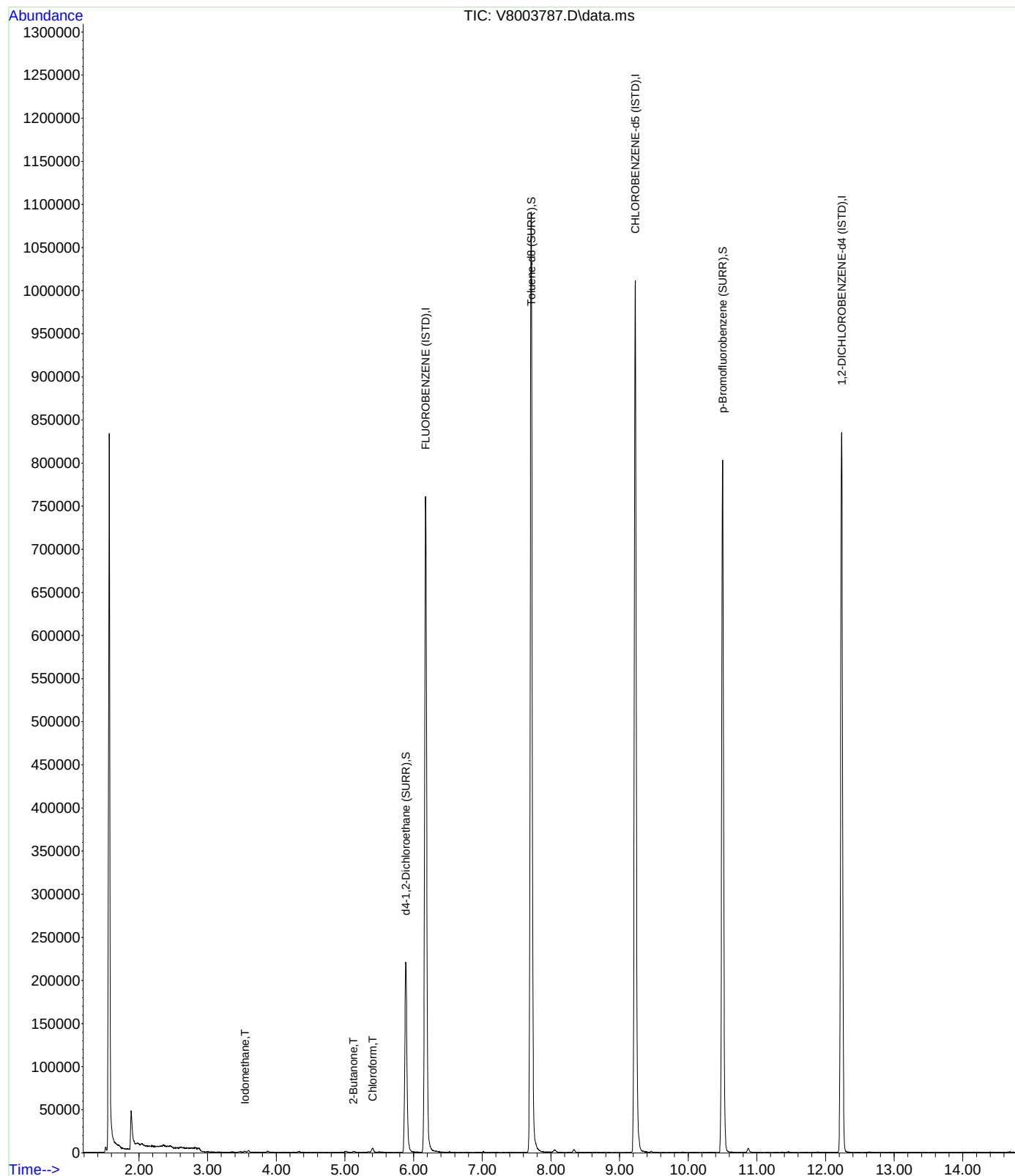
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

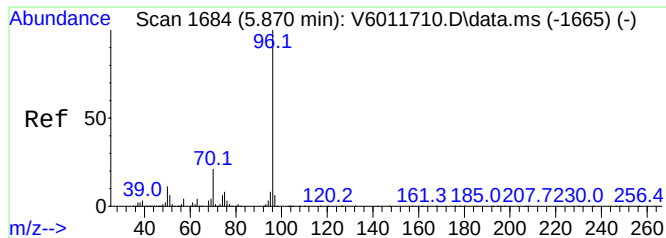
Internal Standards						
1) FLUOROBENZENE (ISTD)	6.176	70	143947	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.229	117	713064	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.235	152	282689	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.886	65	161792	10.19	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	101.90%	
51) Toluene-d8 (SURR)	7.715	98	856126	10.04	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	100.40%	
70) p-Bromofluorobenzene (...)	10.501	95	308726	10.50	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	105.00%	
Target Compounds						
						Qvalue
6) Chloroethane	2.498	64	182	Below	Cal	96
8) Ethanol	3.092	45	43	Below	Cal	100
11) Acrolein	2.877	56	18	Below	Cal	# 18
13) Iodomethane	3.540	142	2233m	3.65	ppb	
16) tert-Butyl Alcohol (TBA)	3.995	59	17	Below	Cal	# 97
26) 2-Butanone	5.122	72	297m	0.40	ppb	
30) Chloroform	5.403	83	4025	0.21	ppb	# 71
36) tert-Amyl alcohol (TAA)	5.911	59	21	Below	Cal	# 1
47) 1,4-Dioxane	6.892	88	17	Below	Cal	# 71
93) Naphthalene	14.386	128	351	Below	Cal	# 70
94) 1,2,3-Trichlorobenzene	14.662	180	17	Below	Cal	# 58

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\092716\
Data File : V8003787.D
Acq On : 27 Sep 2016 1:03 pm
Operator : BK
Sample : 16I0590-17
Misc : V8092716A 8260 LOW A
ALS Vial : 7 Sample Multiplier: 1

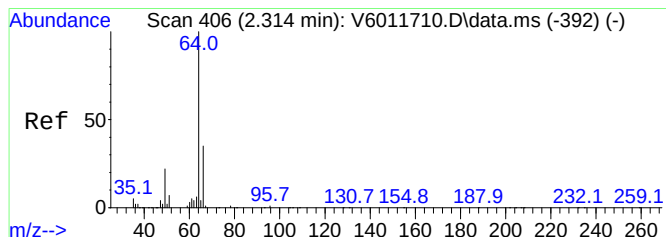
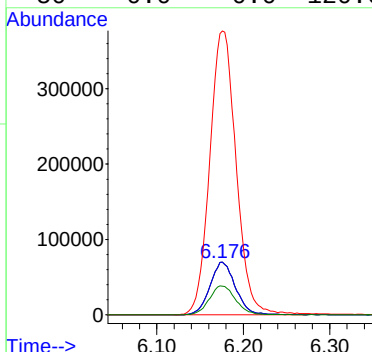
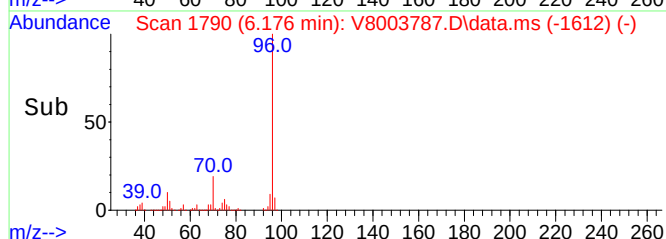
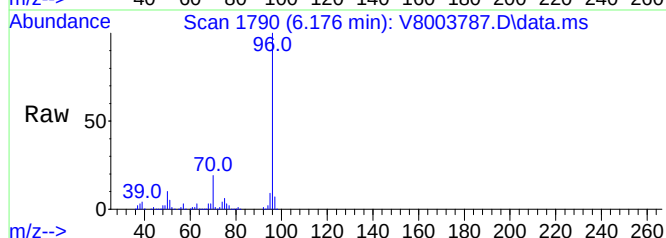
Quant Time: Sep 27 15:21:00 2016
Quant Method : C:\msdchem\1\methods\V8L00015.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Thu Sep 15 08:36:22 2016
InstName : VOA No. 8
Response via : Initial Calibration





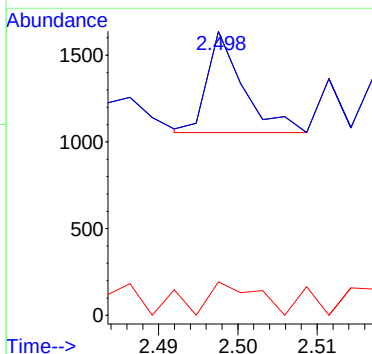
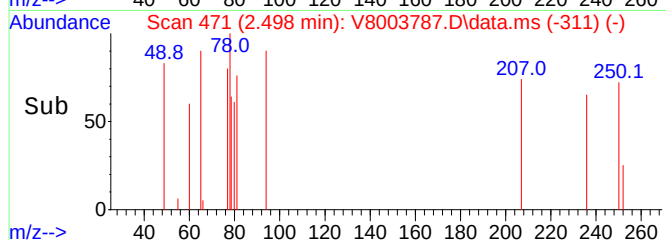
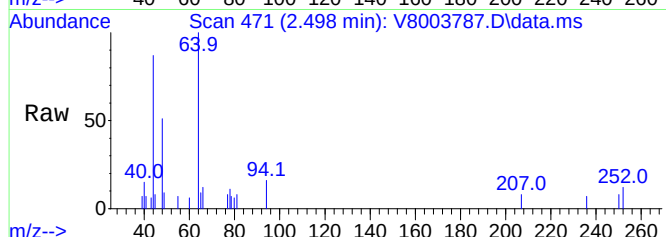
#1
 FLUOROBENZENE (ISTD)
 Concen: 10.00 ppb
 RT: 6.176 min Scan# 1790
 Delta R.T. -0.003 min
 Lab File: V8003787.D
 Acq: 27 Sep 2016 1:03 pm

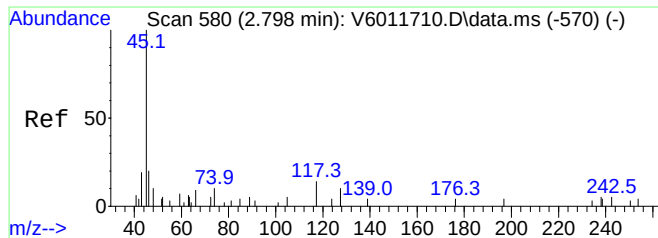
Tgt Ion: 70 Resp: 143947
 Ion Ratio Lower Upper
 70 100
 70 100.0 65.0 135.0
 96 557.3 343.3 713.1
 50 0.0 0.0 120.6



#6
 Chloroethane
 Concen: Below Cal
 RT: 2.498 min Scan# 471
 Delta R.T. -0.053 min
 Lab File: V8003787.D
 Acq: 27 Sep 2016 1:03 pm

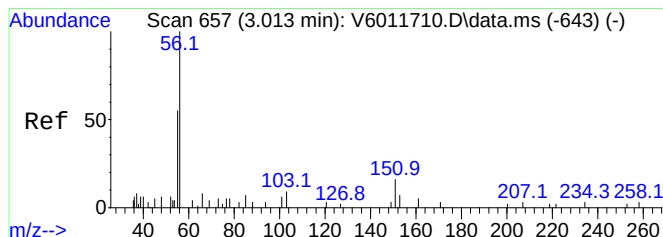
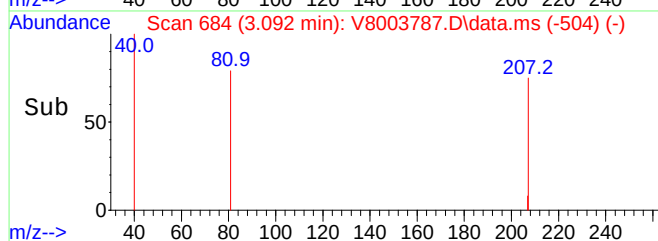
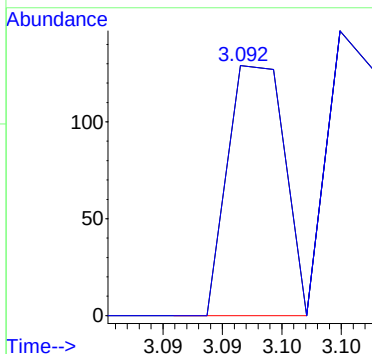
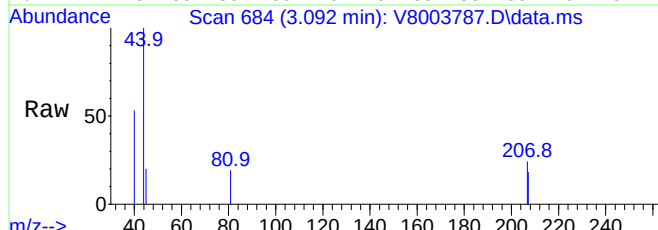
Tgt Ion: 64 Resp: 182
 Ion Ratio Lower Upper
 64 100
 64 100.0 65.0 135.0
 66 42.9 22.7 47.3





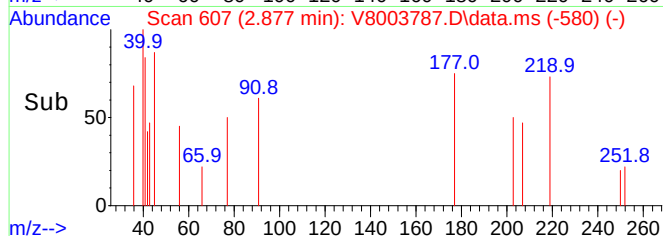
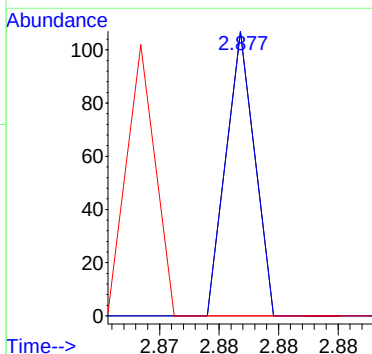
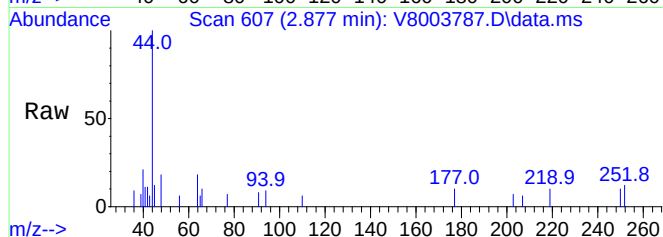
#8
Ethanol
Concen: Below Cal
RT: 3.092 min Scan# 684
Delta R.T. 0.003 min
Lab File: V8003787.D
Acq: 27 Sep 2016 1:03 pm

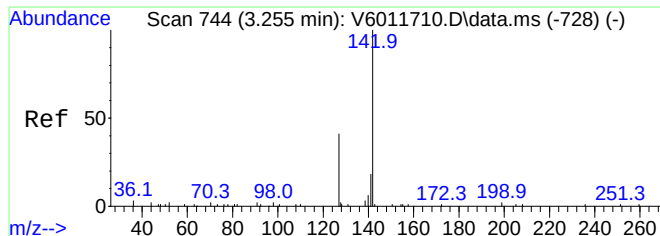
Tgt Ion: 45 Resp: 43
Ion Ratio Lower Upper
45 100
45 100.0 50.0 150.0



#11
Acrolein
Concen: Below Cal
RT: 2.877 min Scan# 607
Delta R.T. -0.424 min
Lab File: V8003787.D
Acq: 27 Sep 2016 1:03 pm

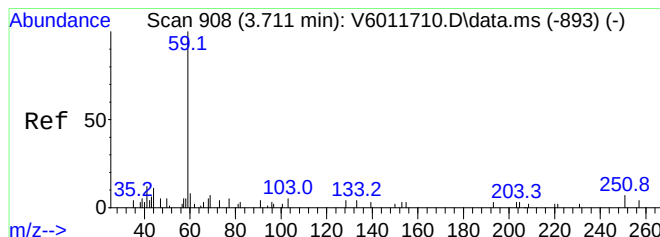
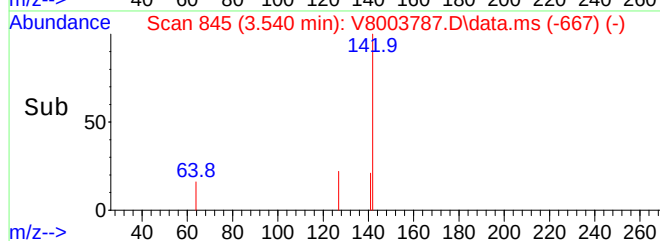
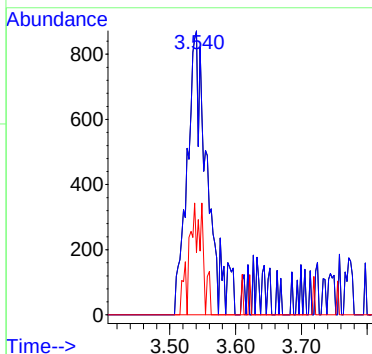
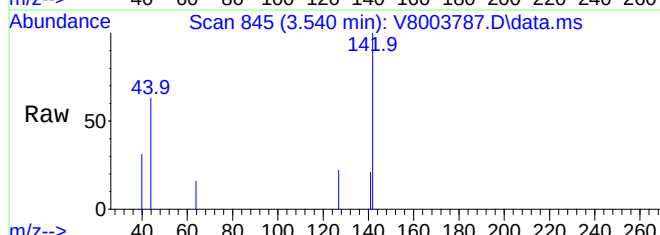
Tgt Ion: 56 Resp: 18
Ion Ratio Lower Upper
56 100
56 100.0 80.0 120.0
55 222.2 27.3 81.9#





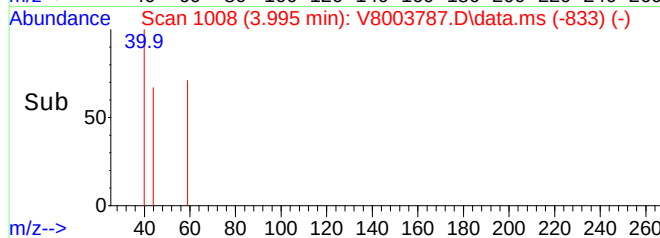
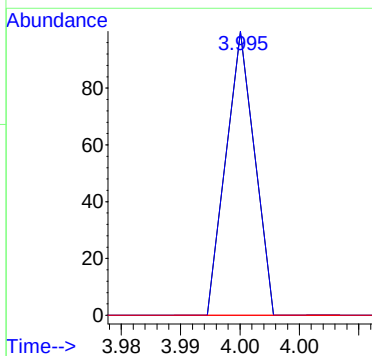
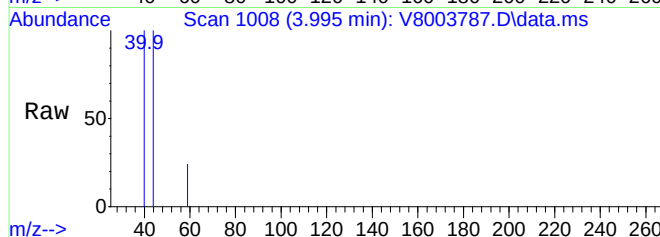
#13
Iodomethane
Concen: 3.65 ppb m
RT: 3.540 min Scan# 845
Delta R.T. -0.003 min
Lab File: V8003787.D
Acq: 27 Sep 2016 1:03 pm

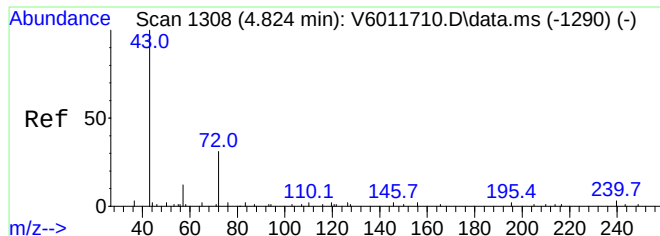
Tgt Ion: 142 Resp: 2233
Ion Ratio Lower Upper
142 100
142 3.7 80.0 120.0#
127 1.9 20.8 62.2#



#16
tert-Butyl Alcohol (TBA)
Concen: Below Cal
RT: 3.995 min Scan# 1008
Delta R.T. -0.011 min
Lab File: V8003787.D
Acq: 27 Sep 2016 1:03 pm

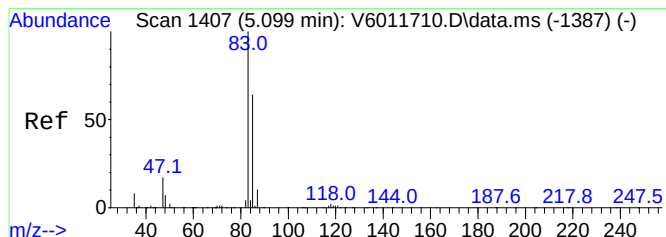
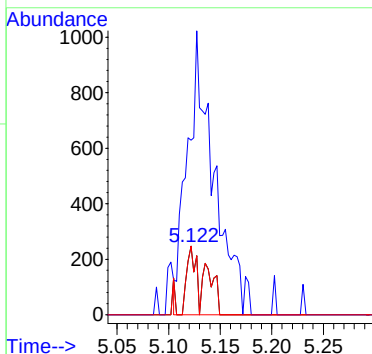
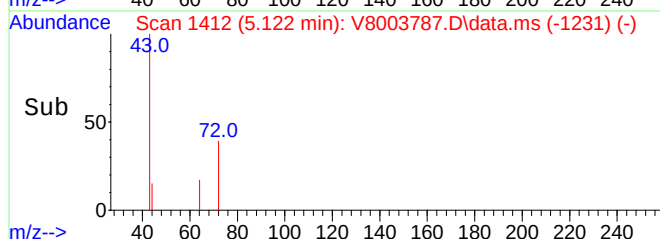
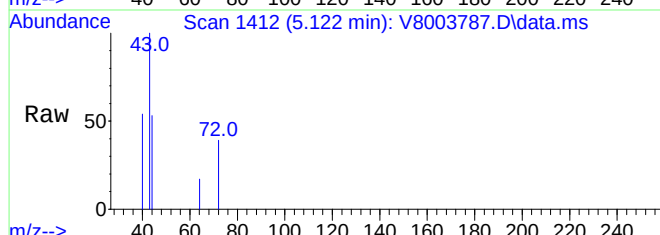
Tgt Ion: 59 Resp: 17
Ion Ratio Lower Upper
59 100
59 100.0 65.0 135.0
41 0.0 6.0 18.0#





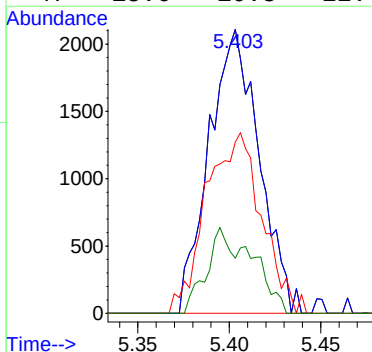
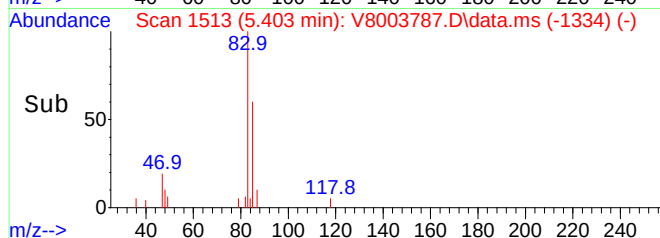
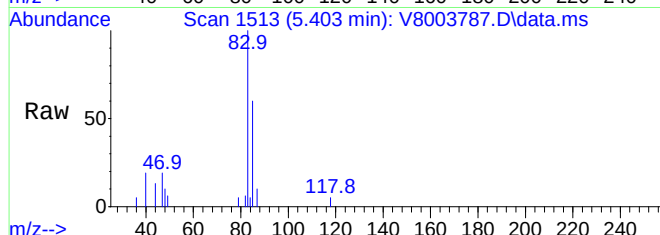
#26
2-Butanone
Concen: 0.40 ppb m
RT: 5.122 min Scan# 1412
Delta R.T. 0.006 min
Lab File: V8003787.D
Acq: 27 Sep 2016 1:03 pm

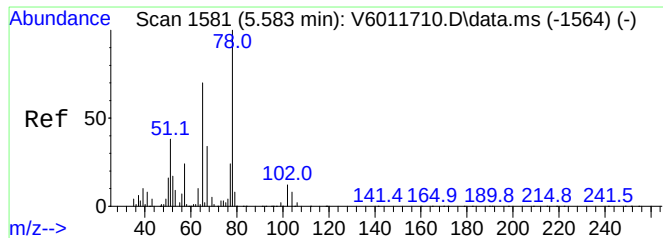
Tgt Ion: 72 Resp: 297
Ion Ratio Lower Upper
72 100
43 0.0 260.7 391.1#
72 51.9 50.0 150.0



#30
Chloroform
Concen: 0.21 ppb
RT: 5.403 min Scan# 1513
Delta R.T. -0.000 min
Lab File: V8003787.D
Acq: 27 Sep 2016 1:03 pm

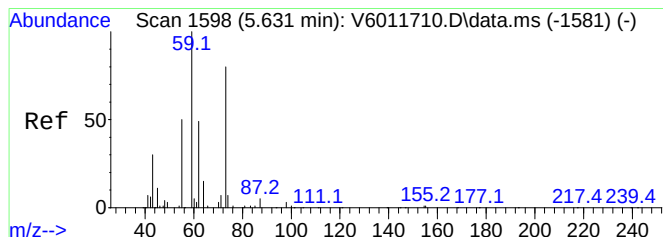
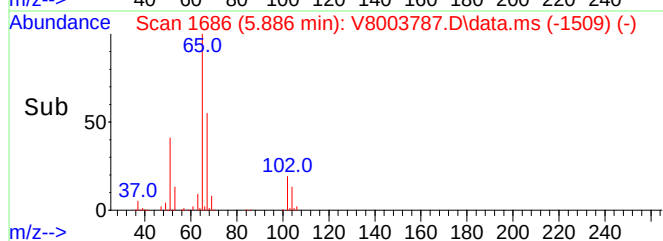
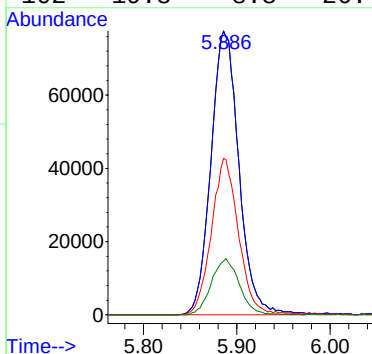
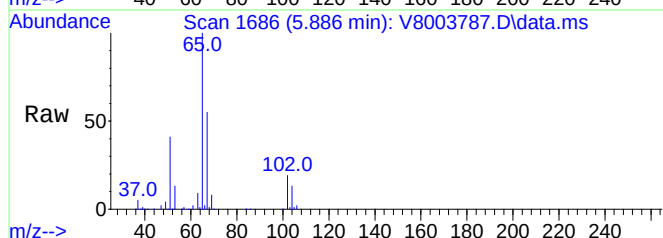
Tgt Ion: 83 Resp: 4025
Ion Ratio Lower Upper
83 100
83 100.0 65.0 135.0
85 0.0 41.8 86.8#
47 15.6 10.8 22.4





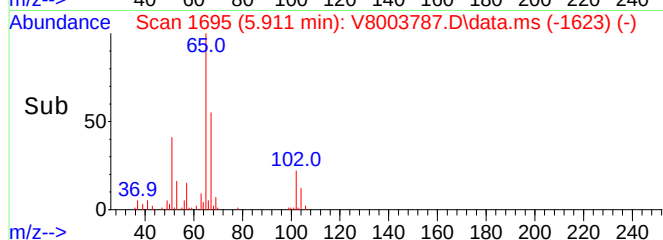
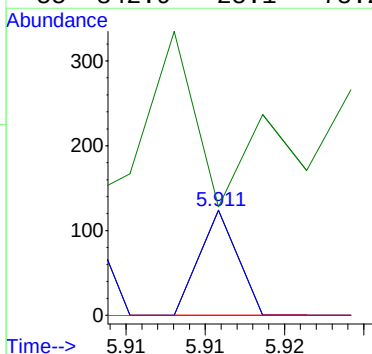
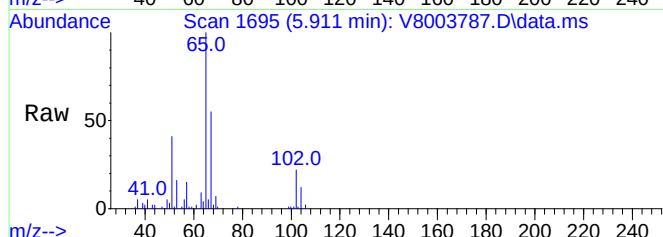
#34
d4-1,2-Dichloroethane (SURR)
Concen: 10.19 ppb
RT: 5.886 min Scan# 1686
Delta R.T. -0.006 min
Lab File: V8003787.D
Acq: 27 Sep 2016 1:03 pm

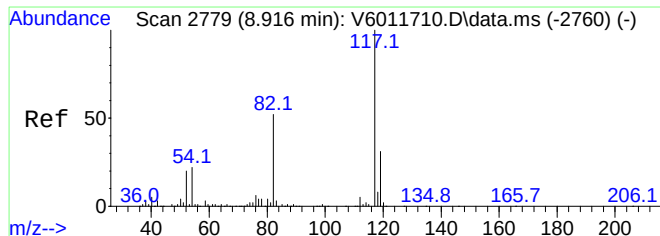
Tgt Ion: 65 Resp: 161792
Ion Ratio Lower Upper
65 100
65 100.0 65.0 135.0
67 53.4 31.3 65.1
102 19.8 8.8 26.4



#36
tert-Amyl alcohol (TAA)
Concen: Below Cal
RT: 5.911 min Scan# 1695
Delta R.T. -0.000 min
Lab File: V8003787.D
Acq: 27 Sep 2016 1:03 pm

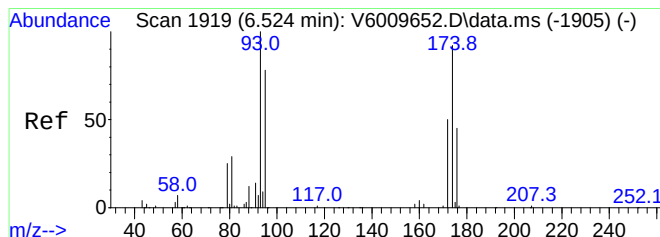
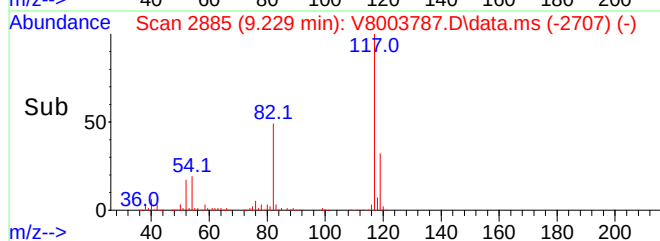
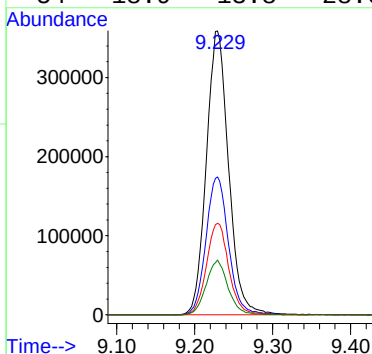
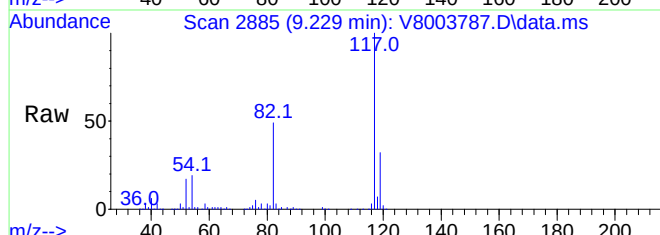
Tgt Ion: 59 Resp: 21
Ion Ratio Lower Upper
59 100
59 100.0 80.0 120.0
73 0.0 40.2 120.5#
55 842.9 25.1 75.2#





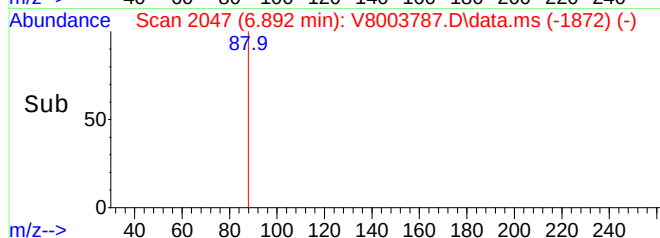
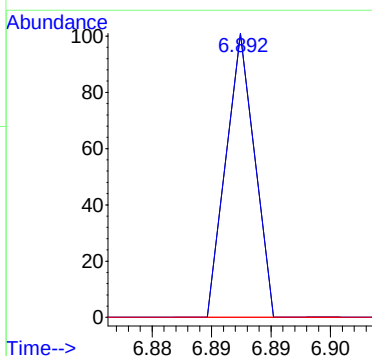
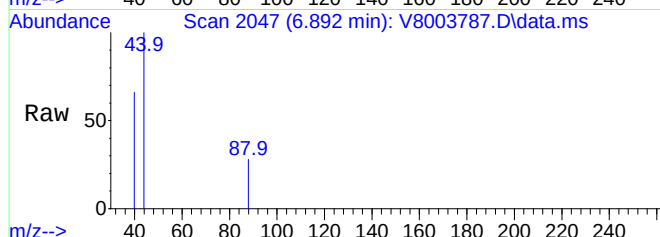
#40
 CHLOROBENZENE-d5 (ISTD)
 Concen: 10.00 ppb
 RT: 9.229 min Scan# 2885
 Delta R.T. -0.003 min
 Lab File: V8003787.D
 Acq: 27 Sep 2016 1:03 pm

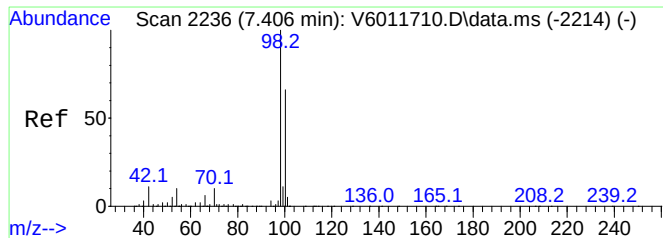
Tgt Ion:	117	Resp:	713064
Ion Ratio	Lower	Upper	
117	100		
82	49.2	34.0	70.6
119	32.4	21.5	44.7
54	18.9	13.8	28.6



#47
 1,4-Dioxane
 Concen: Below Cal
 RT: 6.892 min Scan# 2047
 Delta R.T. -0.012 min
 Lab File: V8003787.D
 Acq: 27 Sep 2016 1:03 pm

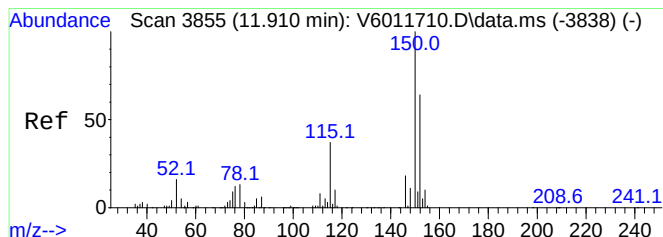
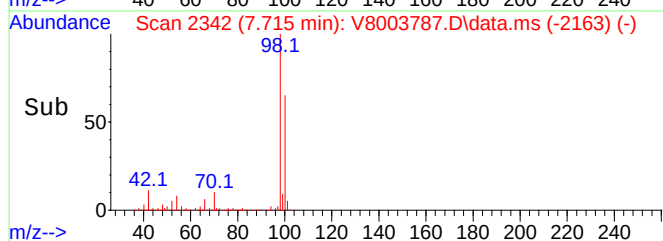
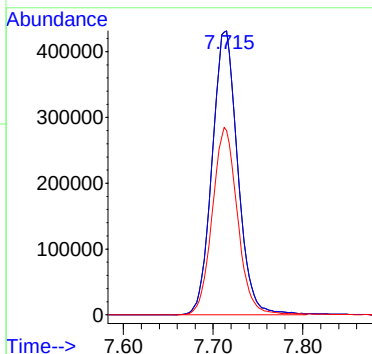
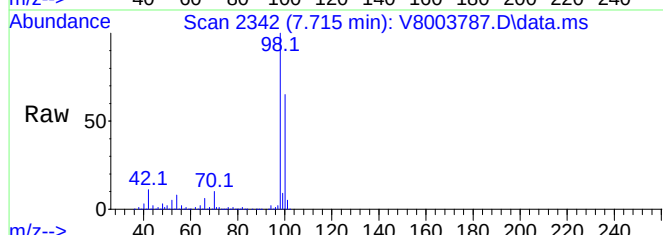
Tgt Ion:	88	Resp:	17
Ion Ratio	Lower	Upper	
88	100		
88	100.0	80.0	120.0
58	0.0	29.0	87.0#





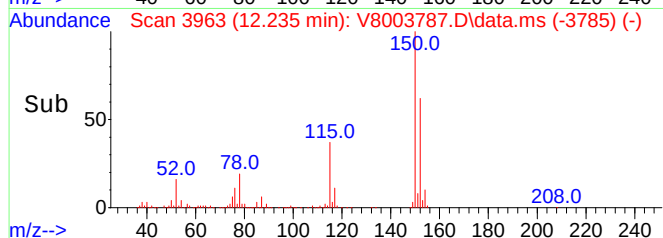
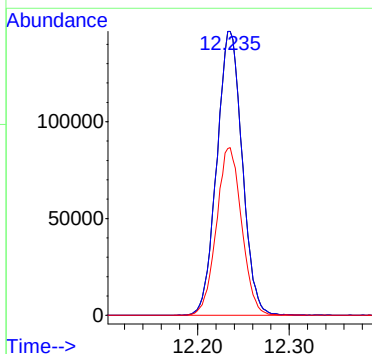
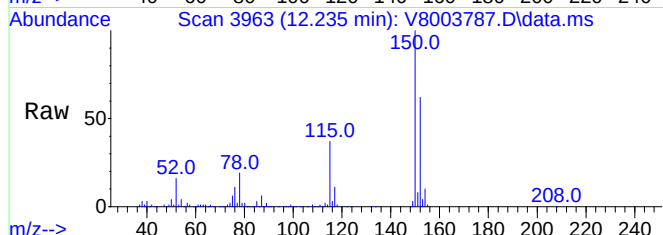
#51
Toluene-d8 (Surr)
Concen: 10.04 ppb
RT: 7.715 min Scan# 2342
Delta R.T. -0.000 min
Lab File: V8003787.D
Acq: 27 Sep 2016 1:03 pm

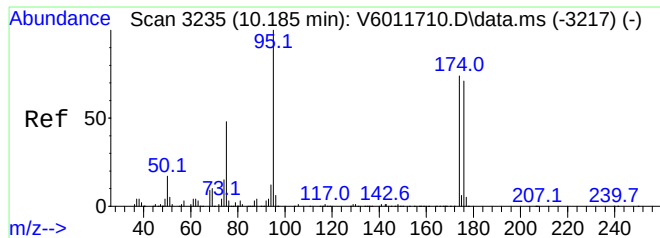
Tgt Ion: 98 Resp: 856126
Ion Ratio Lower Upper
98 100
98 100.0 65.0 135.0
100 65.1 42.8 89.0



#67
1,2-DICHLOROBENZENE-d4 (Istd)
Concen: 10.00 ppb
RT: 12.235 min Scan# 3963
Delta R.T. -0.003 min
Lab File: V8003787.D
Acq: 27 Sep 2016 1:03 pm

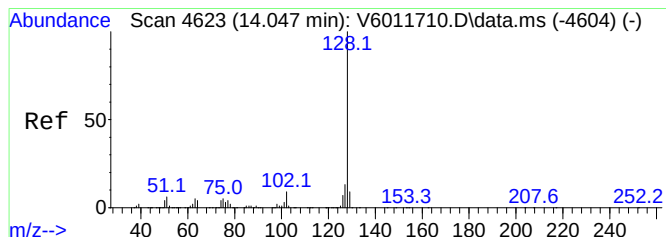
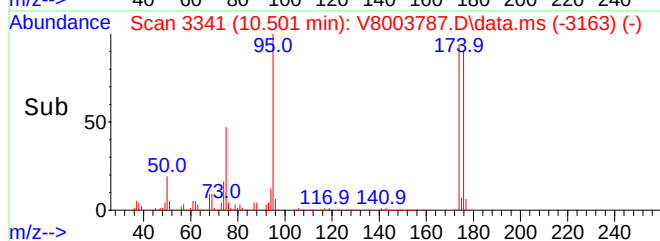
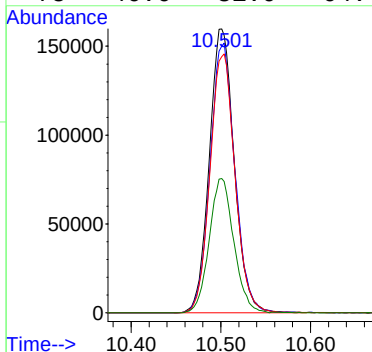
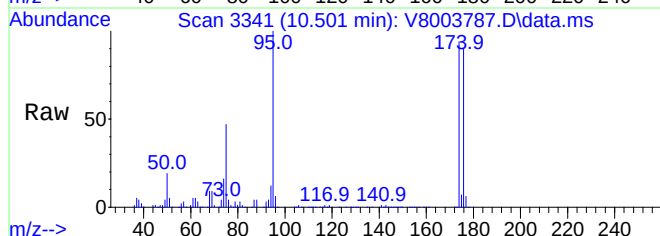
Tgt Ion: 152 Resp: 282689
Ion Ratio Lower Upper
152 100
152 100.0 50.0 150.0
115 58.7 31.5 94.5





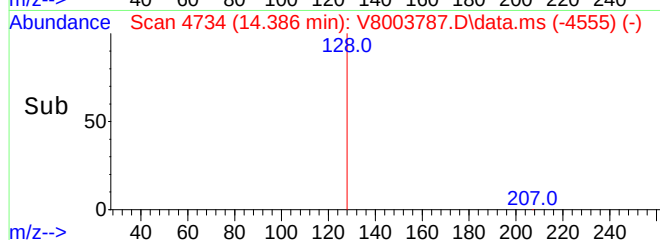
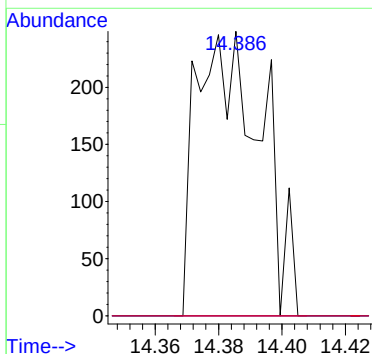
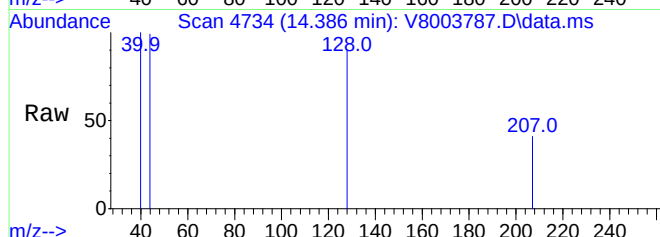
#70
p-Bromofluorobenzene (Surr)
Concen: 10.50 ppb
RT: 10.501 min Scan# 3341
Delta R.T. -0.003 min
Lab File: V8003787.D
Acq: 27 Sep 2016 1:03 pm

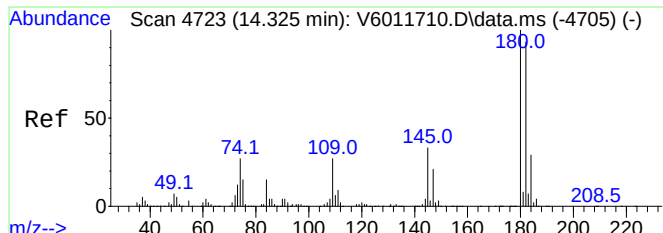
Tgt Ion:	95	Resp:	308726
Ion Ratio	Lower	Upper	
95	100		
174	94.3	47.8	99.4
176	91.4	46.3	96.1
75	46.6	31.0	64.4



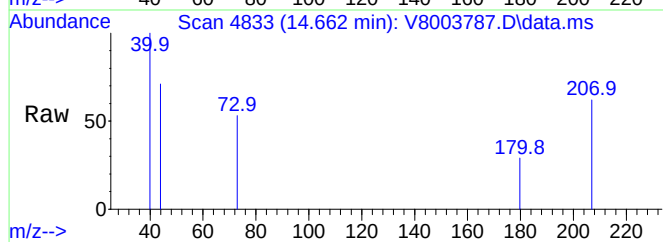
#93
Naphthalene
Concen: Below Cal
RT: 14.386 min Scan# 4734
Delta R.T. -0.000 min
Lab File: V8003787.D
Acq: 27 Sep 2016 1:03 pm

Tgt Ion:	128	Resp:	351
Ion Ratio	Lower	Upper	
128	100		
127	0.0	8.5	17.6#
129	0.0	6.1	12.7#

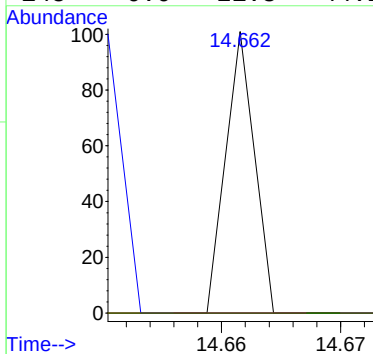
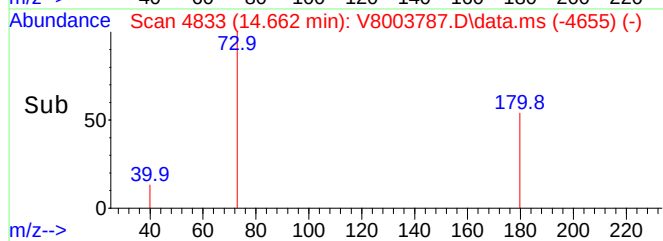




#94
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 14.662 min Scan# 4833
 Delta R.T. -0.002 min
 Lab File: V8003787.D
 Acq: 27 Sep 2016 1:03 pm



Tgt Ion:180	Resp:	17
Ion Ratio	Lower	Upper
180	100	
182	100.0	60.5 125.7
74	100.0	17.6 36.6#
145	0.0	21.3 44.1#



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-58A

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-18 File ID: V710676.D
 Sampled: 09/14/16 14:25 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 07:40
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

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 Matrix: Water Laboratory ID: 16I0590-18 File ID: V710676.D
 Sampled: 09/14/16 14:25 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 07:40
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.3	103	69 - 130	
Toluene-d8	10.0	9.66	96.6	81 - 117	
p-Bromofluorobenzene	10.0	9.97	99.7	79 - 122	

* Values outside of QC limits

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710676.D
 Acq On : 24 Sep 2016 7:40 am
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-18
 Misc : QBV7092316B 8260 LOW A
 ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 26 10:46:07 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

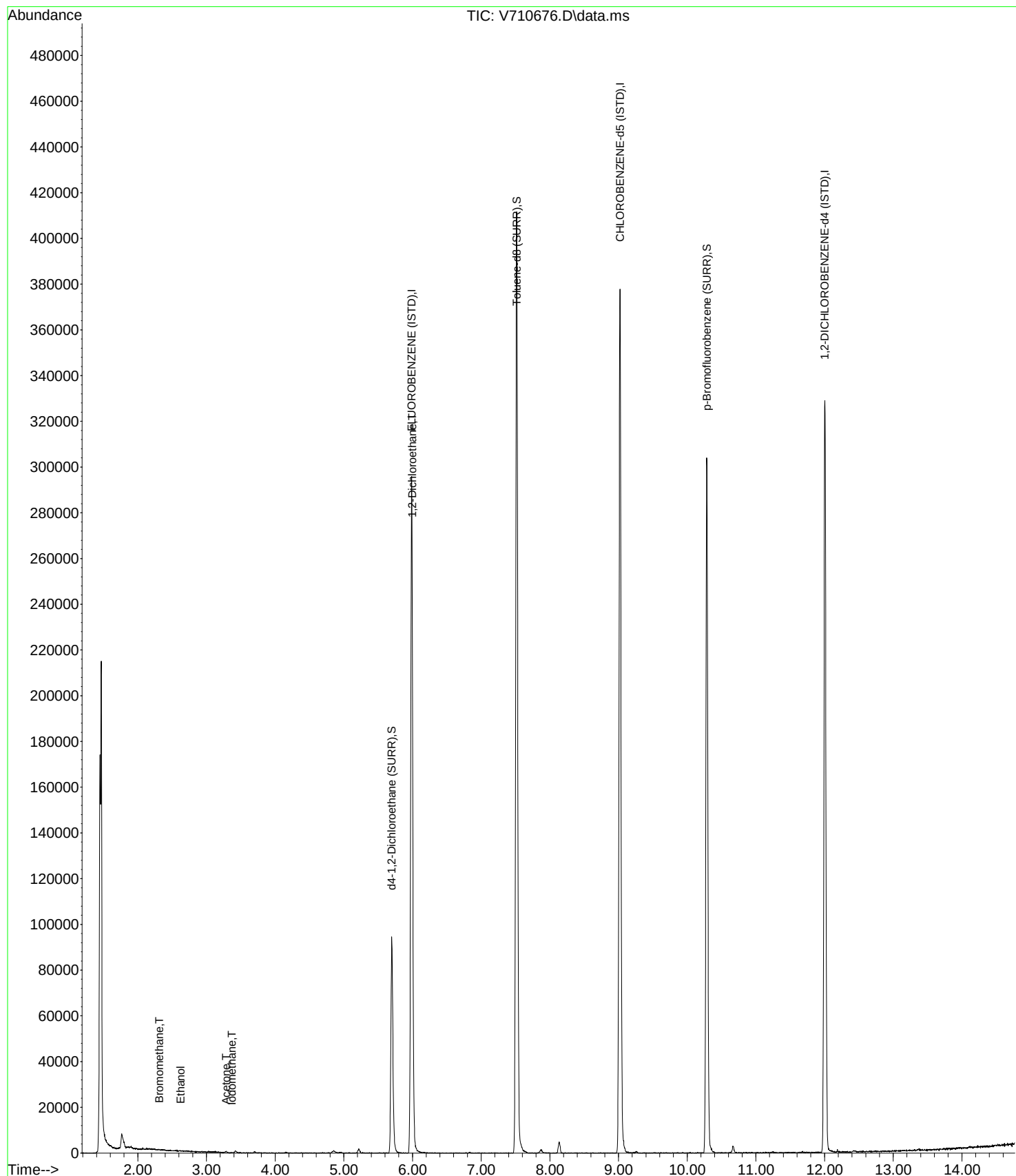
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

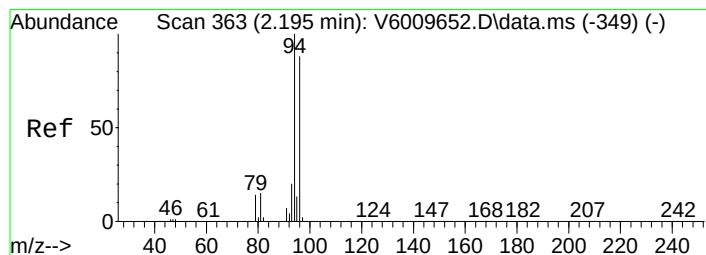
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.987	70	59104	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	269627	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.002	152	114706	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	64724	10.27	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.70%	
51) Toluene-d8 (SURR)	7.517	98	323661	9.66	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.60%	
70) p-Bromofluorobenzene (...)	10.285	95	128504	9.97	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.70%	
Target Compounds						
						Qvalue
5) Bromomethane	2.314	94	18	3.45	ppb	79
8) Ethanol	2.620	45	19	0.87	ppb	100
12) Acetone	3.285	43	569	0.38	ppb	97
13) Iodomethane	3.369	142	134	4.01	ppb	# 82
37) 1,2-Dichloroethane	5.995	62	3393	0.47	ppb	# 90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
Data File : V710676.D
Acq On : 24 Sep 2016 7:40 am
InstName : MSVOA7
Operator : SS
Sample : 16I0590-18
Misc : QBV7092316B 8260 LOW A
ALS Vial : 52 Sample Multiplier: 1

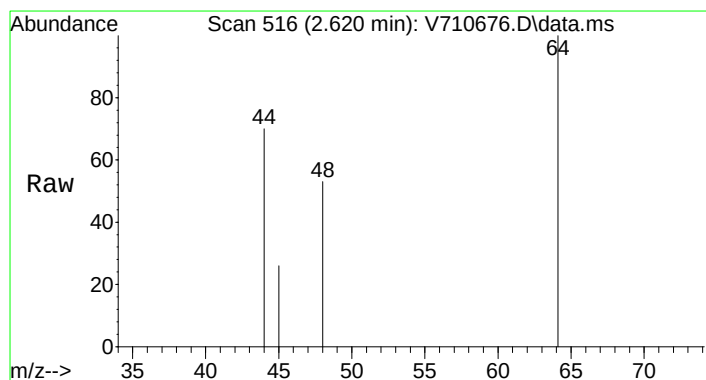
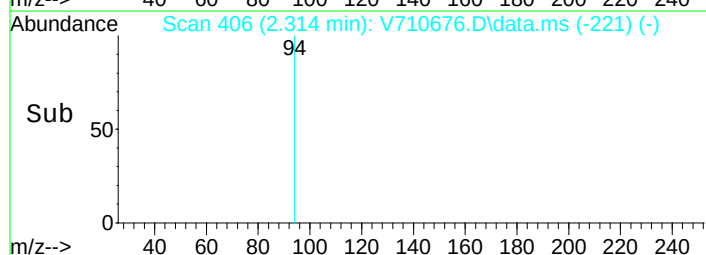
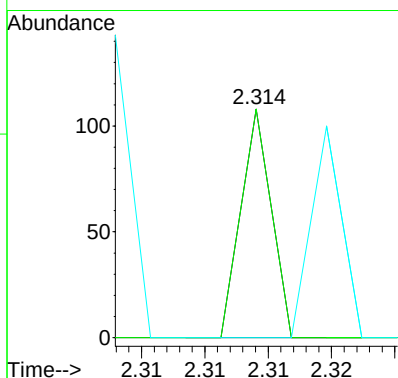
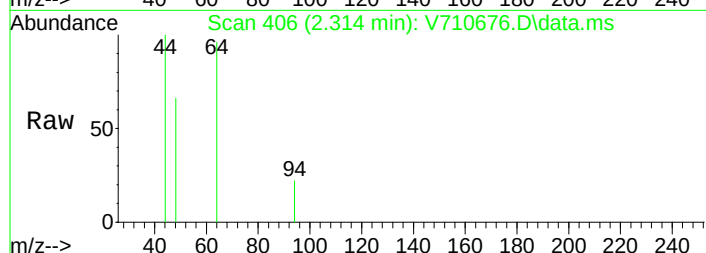
Quant Time: Sep 26 10:46:07 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





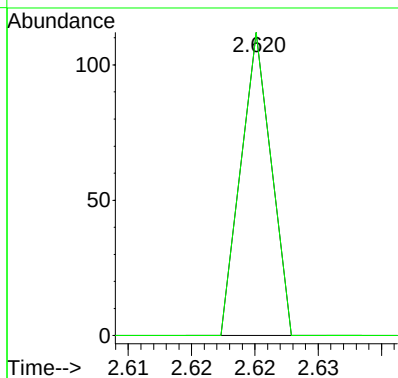
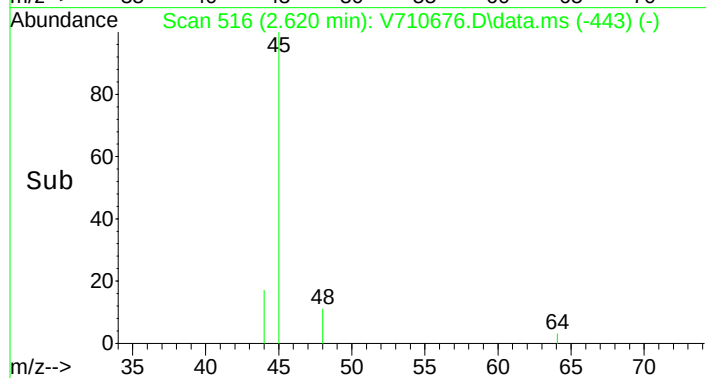
#5
Bromomethane
Concen: 3.45 ppb
RT: 2.314 min Scan# 406
Delta R.T. 0.014 min
Lab File: V710676.D
Acq: 24 Sep 2016 7:40 am

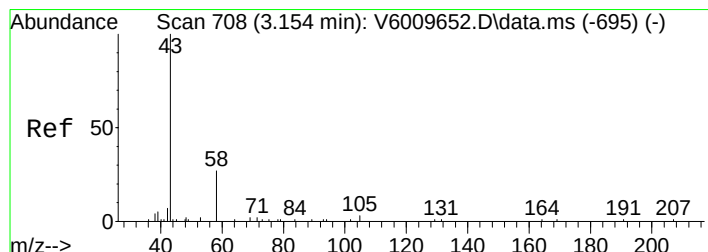
Tgt Ion: 94 Resp: 18
Ion Ratio Lower Upper
94 100
94 100.0 50.0 150.0
96 133.3 46.2 138.6



#8
Ethanol
Concen: 0.87 ppb
RT: 2.620 min Scan# 516
Delta R.T. -0.298 min
Lab File: V710676.D
Acq: 24 Sep 2016 7:40 am

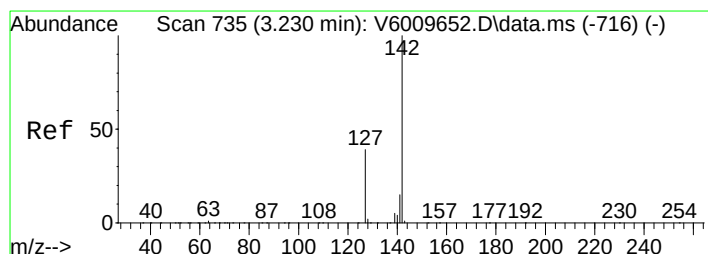
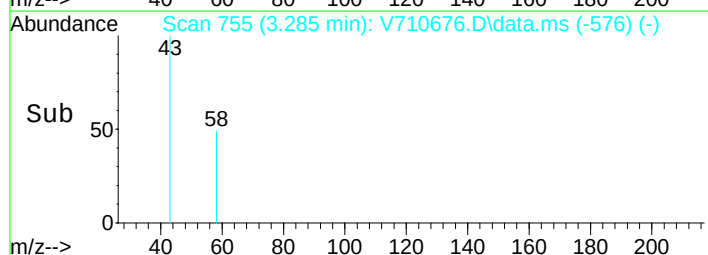
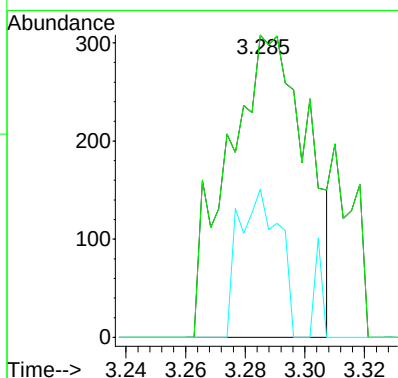
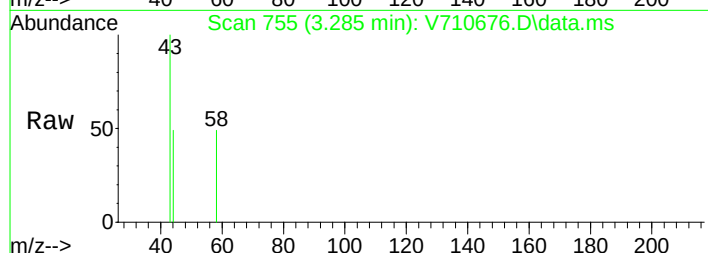
Tgt Ion: 45 Resp: 19
Ion Ratio Lower Upper
45 100
45 100.0 50.0 150.0





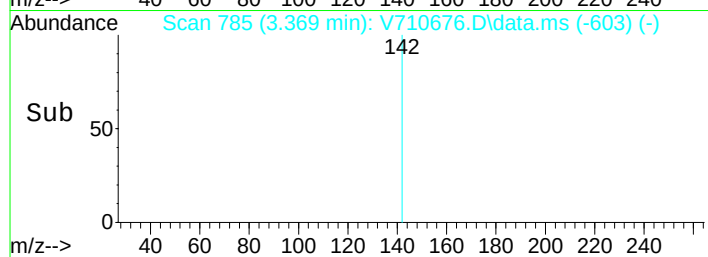
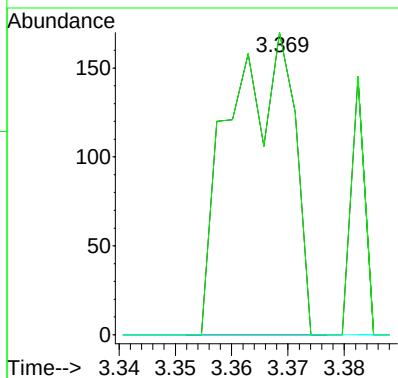
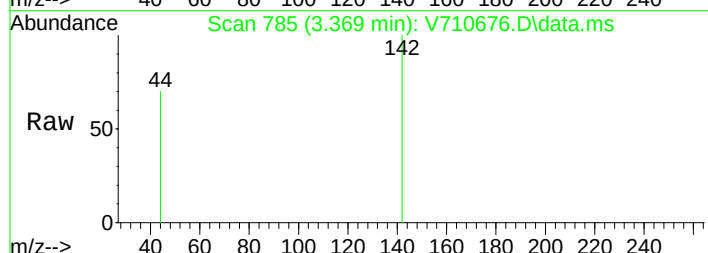
#12
Acetone
Concen: 0.38 ppb
RT: 3.285 min Scan# 755
Delta R.T. -0.003 min
Lab File: V710676.D
Acq: 24 Sep 2016 7:40 am

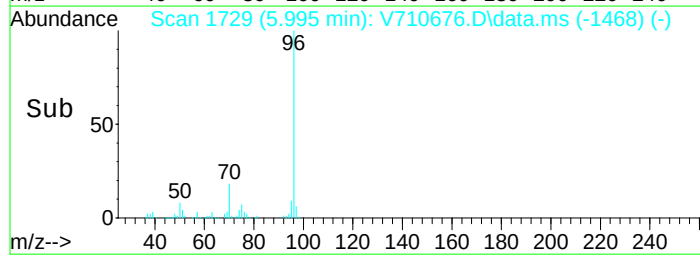
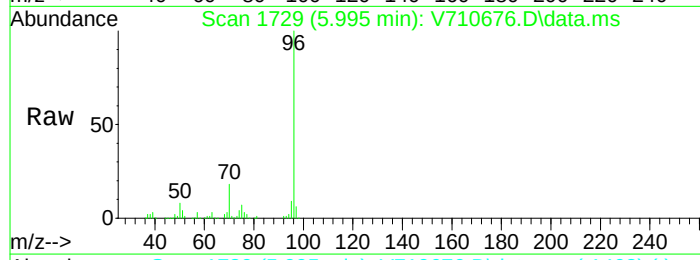
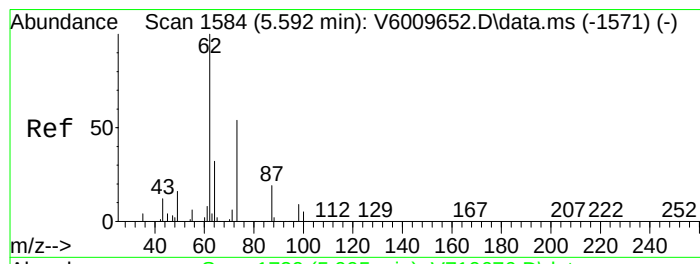
Tgt Ion: 43 Resp: 569
Ion Ratio Lower Upper
43 100
43 100.0 80.0 120.0
58 25.0 16.0 47.9



#13
Iodomethane
Concen: 4.01 ppb
RT: 3.369 min Scan# 785
Delta R.T. 0.006 min
Lab File: V710676.D
Acq: 24 Sep 2016 7:40 am

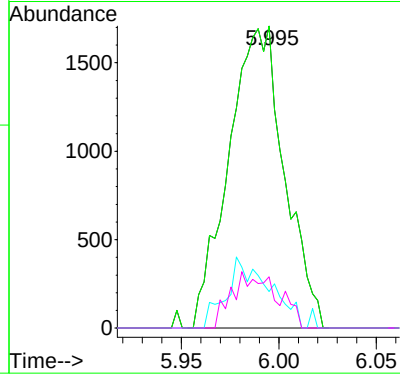
Tgt Ion: 142 Resp: 134
Ion Ratio Lower Upper
142 100
142 100.0 80.0 120.0
127 0.0 19.7 59.1#





#37
 1,2-Dichloroethane
 Concen: 0.47 ppb
 RT: 5.995 min Scan# 1729
 Delta R.T. 0.225 min
 Lab File: V710676.D
 Acq: 24 Sep 2016 7:40 am

Tgt Ion:	62	Resp:	3393
Ion Ratio	Lower	Upper	
62	100		
62	100.0	80.0	120.0
64	8.8	16.3	48.8#
98	8.6	4.9	14.7



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-58B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-19 File ID: V710668.D
 Sampled: 09/14/16 13:50 Prepared: 09/22/16 08:06 Analyzed: 09/24/16 04:11
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61178 Sequence: Y612617 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.51	
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-58B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-19 File ID: V710668.D
 Sampled: 09/14/16 13:50 Prepared: 09/22/16 08:06 Analyzed: 09/24/16 04:11
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61178 Sequence: Y612617 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.3	103	69 - 130	
Toluene-d8	10.0	9.62	96.2	81 - 117	
p-Bromofluorobenzene	10.0	10.0	100	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\data\V7092316\
 Data File : V710668.D
 Acq On : 24 Sep 2016 4:11 am
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-19
 Misc : QBV7092316B 8260 LOW A
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 26 13:23:09 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

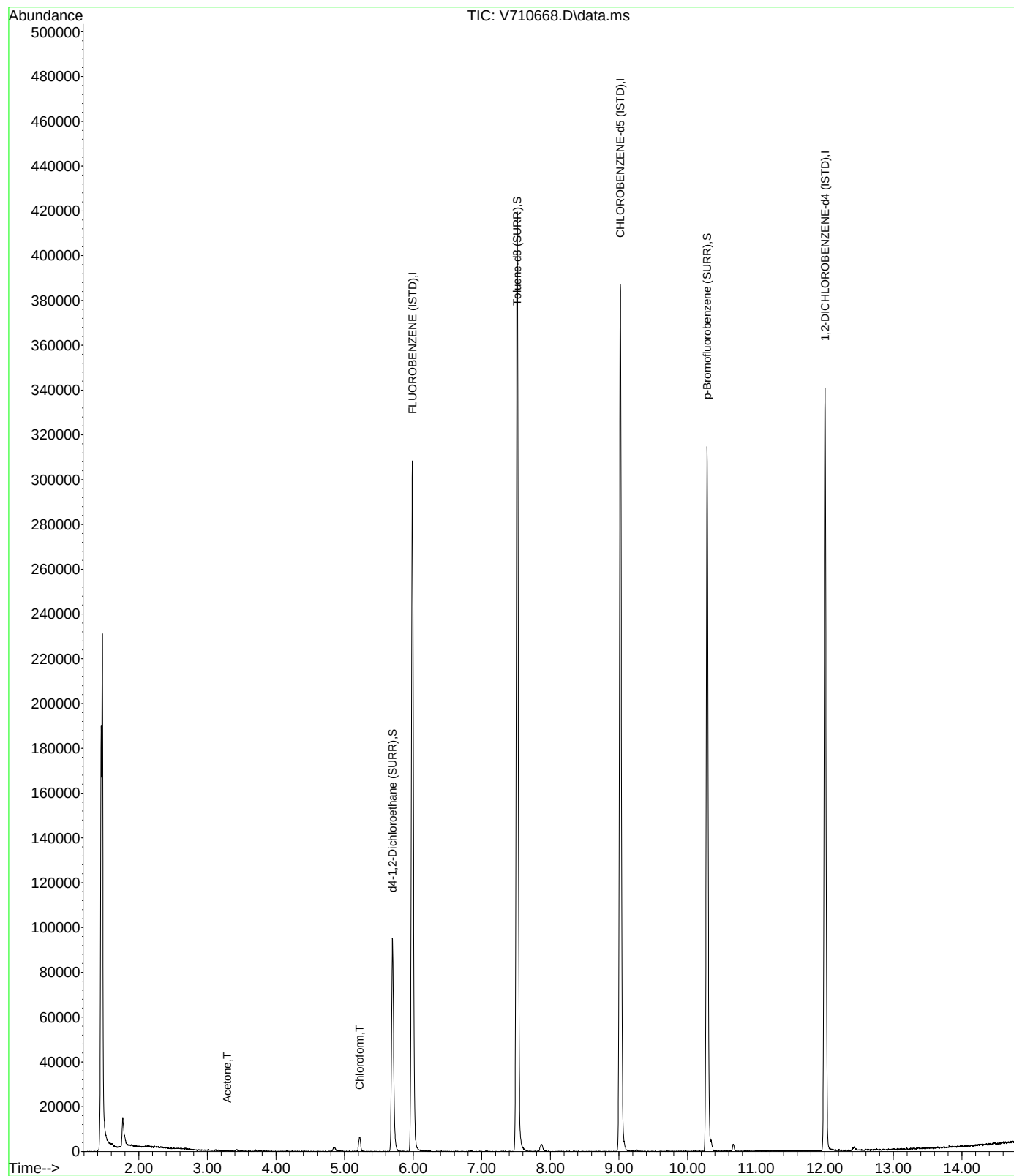
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

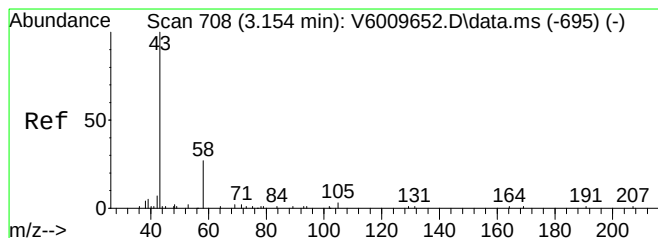
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	59988	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.019	117	273669	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.004	152	115422	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	65852	10.29	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	102.90%	
51) Toluene-d8 (SURR)	7.517	98	327257	9.62	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	96.20%	
70) p-Bromofluorobenzene (...)	10.285	95	129688	10.00	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	100.00%	
Target Compounds						
12) Acetone	3.288	43	448	0.29	ppb	Qvalue 95
30) Chloroform	5.219	83	5935	0.51	ppb	# 68

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\V7092316\
Data File : V710668.D
Acq On : 24 Sep 2016 4:11 am
InstName : MSV0A7
Operator : SS
Sample : 16I0590-19
Misc : QBV7092316B 8260 LOW A
ALS Vial : 44 Sample Multiplier: 1

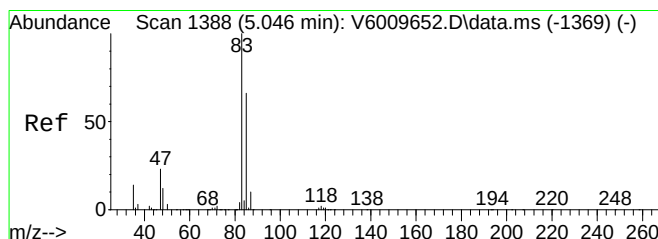
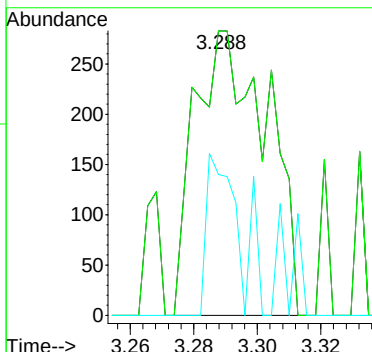
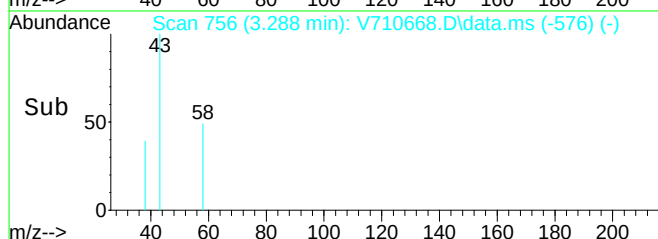
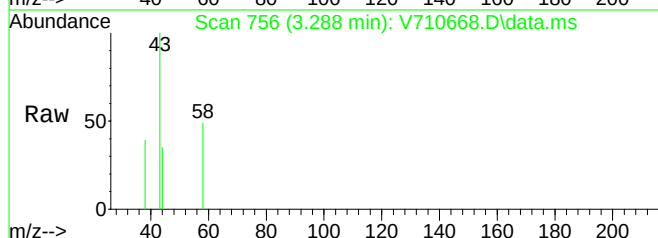
Quant Time: Sep 26 13:23:09 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





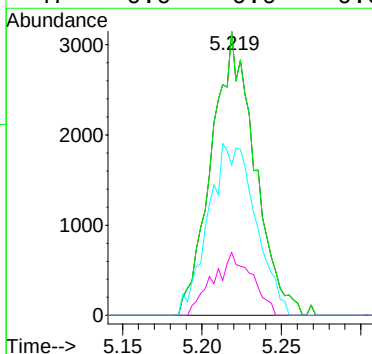
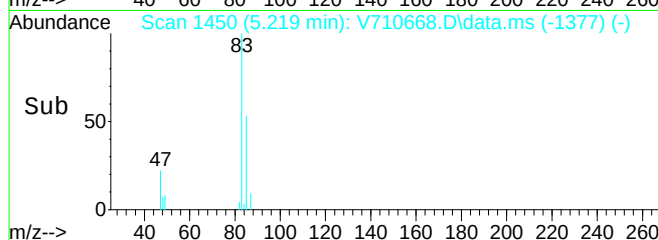
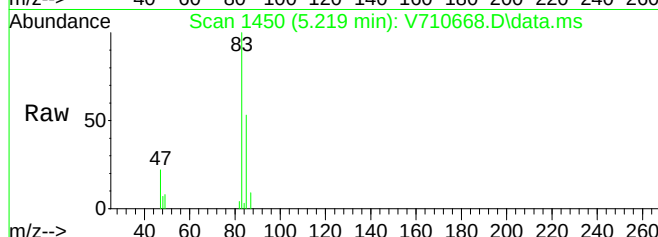
#12
Acetone
Concen: 0.29 ppb
RT: 3.288 min Scan# 756
Delta R.T. -0.000 min
Lab File: V710668.D
Acq: 24 Sep 2016 4:11 am

Tgt Ion: 43 Resp: 448
Ion Ratio Lower Upper
43 100
43 100.0 80.0 120.0
58 20.5 16.0 47.9



#30
Chloroform
Concen: 0.51 ppb
RT: 5.219 min Scan# 1450
Delta R.T. 0.003 min
Lab File: V710668.D
Acq: 24 Sep 2016 4:11 am

Tgt Ion: 83 Resp: 5935
Ion Ratio Lower Upper
83 100
83 100.0 65.0 135.0
85 0.0 42.1 87.3#
47 0.0 0.0 0.0



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-59B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-20 File ID: V710680.D
 Sampled: 09/14/16 10:50 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 09:25
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-59B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries

Matrix: Water Laboratory ID: 16I0590-20 File ID: V710680.D

Sampled: 09/14/16 10:50 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 09:25

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.2	102	69 - 130	
Toluene-d8	10.0	9.75	97.5	81 - 117	
p-Bromofluorobenzene	10.0	10.0	100	79 - 122	

* Values outside of QC limits

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710680.D
 Acq On : 24 Sep 2016 9:25 am
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-20
 Misc : QBV7092316B 8260 LOW A
 ALS Vial : 56 Sample Multiplier: 1

Quant Time: Sep 26 10:46:29 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

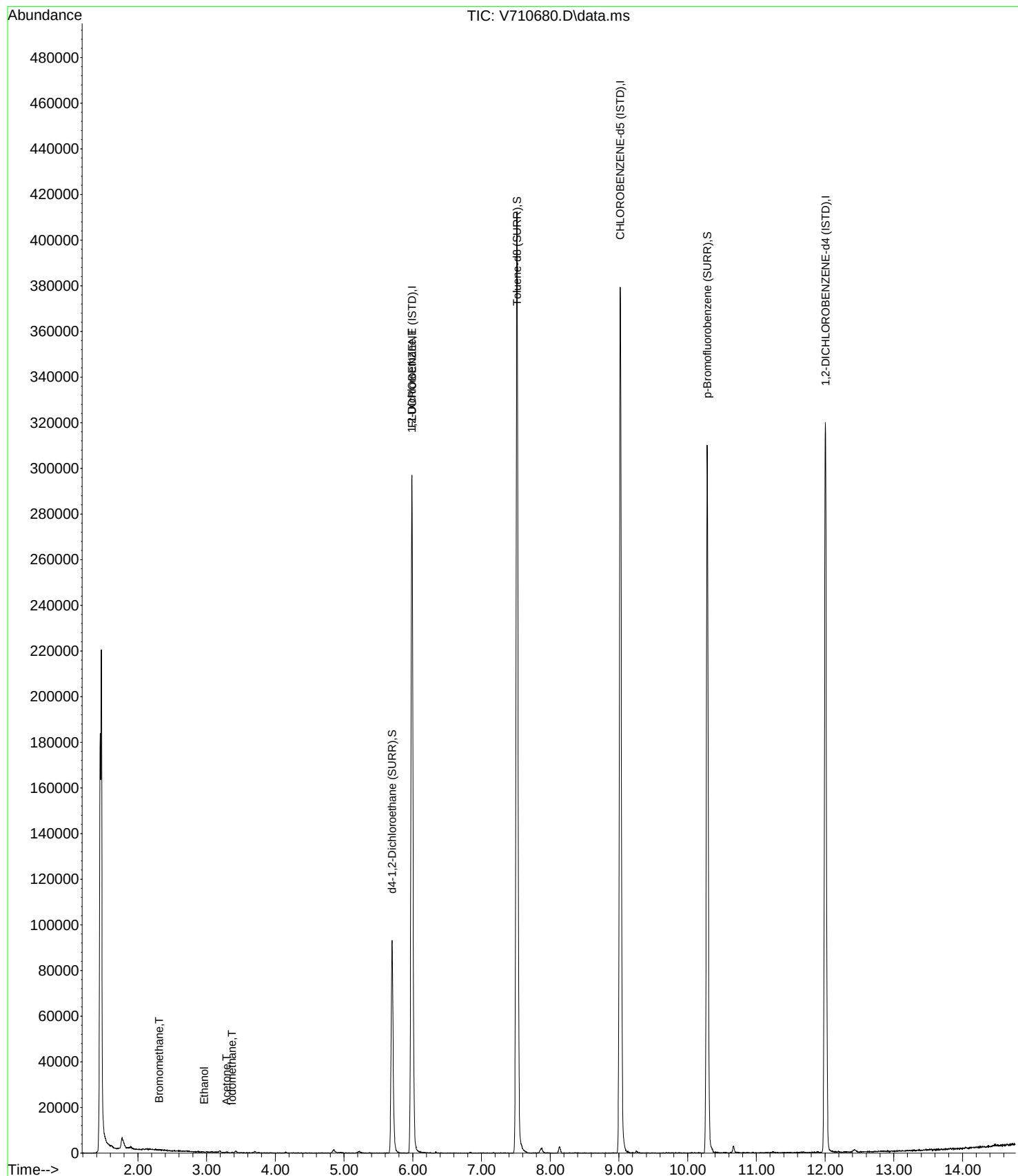
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

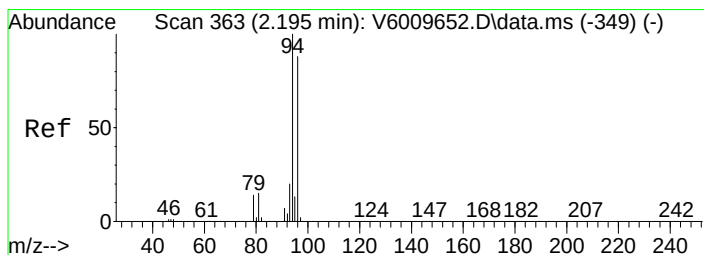
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	58834	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.019	117	267579	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.007	152	113072	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	63762	10.16	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.60%	
51) Toluene-d8 (SURR)	7.517	98	324433	9.75	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.50%	
70) p-Bromofluorobenzene (...)	10.285	95	127041	10.00	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.00%	
Target Compounds						
5) Bromomethane	2.306	94	18	3.45	ppb	Qvalue 99
8) Ethanol	2.965	45	20	0.92	ppb	100
12) Acetone	3.288	43	346	0.23	ppb	# 90
13) Iodomethane	3.369	142	215	4.04	ppb	# 82
37) 1,2-Dichloroethane	5.987	62	3542	0.50	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : G:\MSV0A7 V7\DAILY DATA\V7092316\
Data File : V710680.D
Acq On : 24 Sep 2016 9:25 am
InstName : MSV0A7
Operator : SS
Sample : 16I0590-20
Misc : QBV7092316B 8260 LOW A
ALS Vial : 56 Sample Multiplier: 1

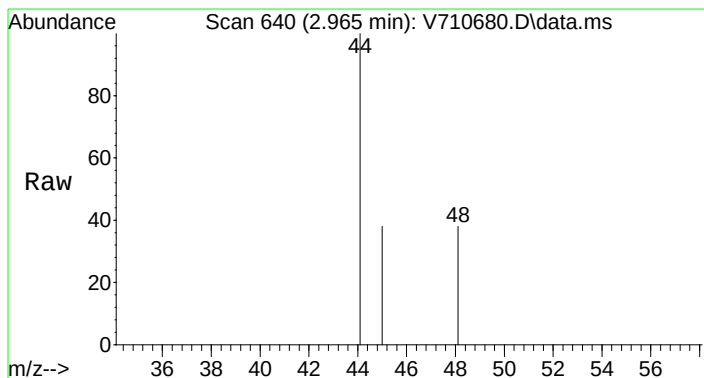
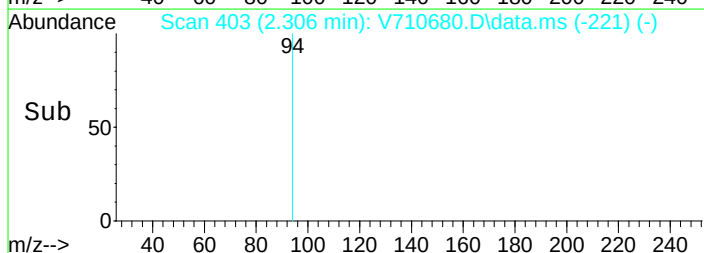
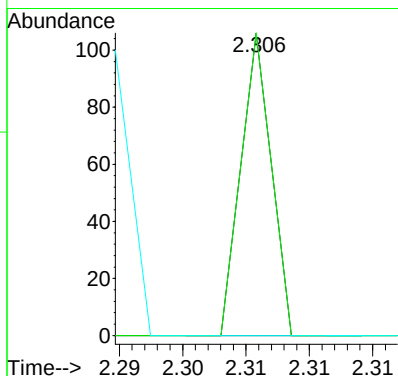
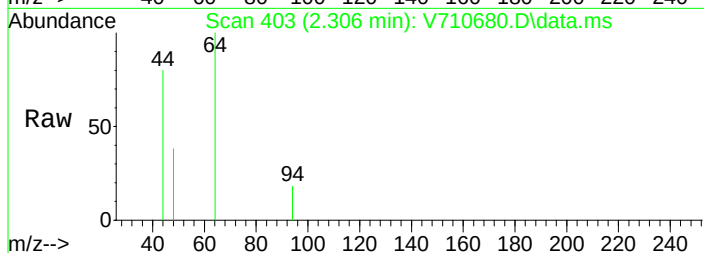
Quant Time: Sep 26 10:46:29 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





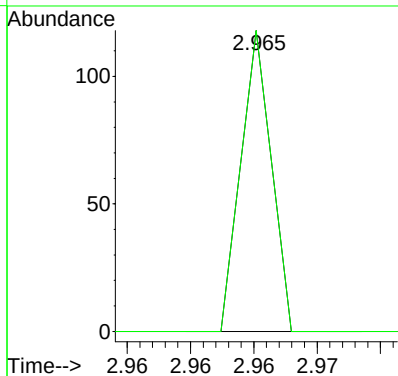
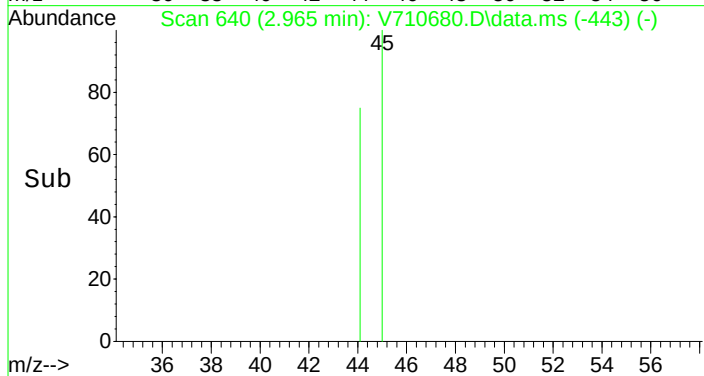
#5
 Bromomethane
 Concen: 3.45 ppb
 RT: 2.306 min Scan# 403
 Delta R.T. 0.006 min
 Lab File: V710680.D
 Acq: 24 Sep 2016 9:25 am

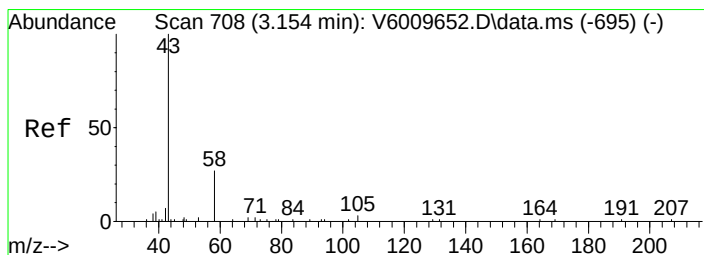
Tgt Ion	Ratio	Lower	Upper
94	100		
94	100.0	50.0	150.0
96	94.4	46.2	138.6



#8
 Ethanol
 Concen: 0.92 ppb
 RT: 2.965 min Scan# 640
 Delta R.T. 0.047 min
 Lab File: V710680.D
 Acq: 24 Sep 2016 9:25 am

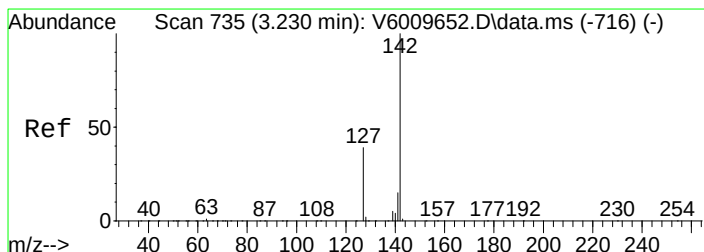
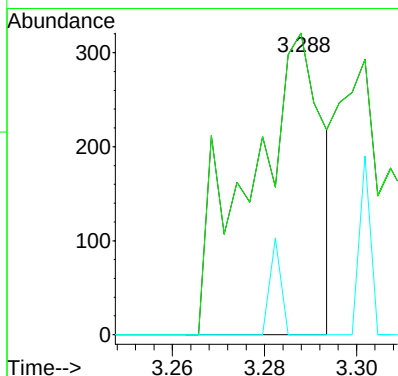
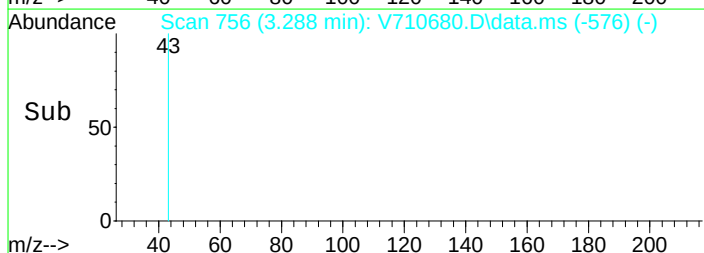
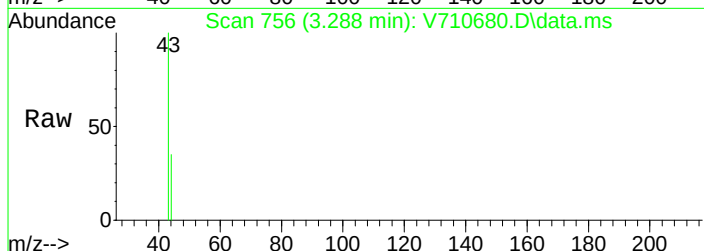
Tgt Ion	Ratio	Lower	Upper
45	100		
45	100.0	50.0	150.0





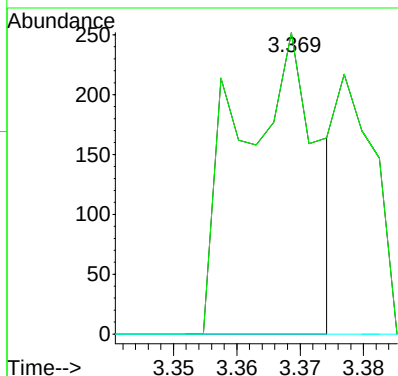
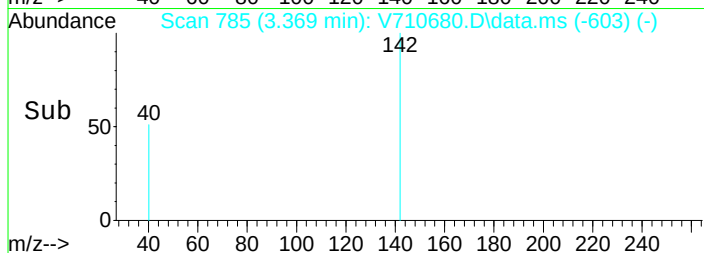
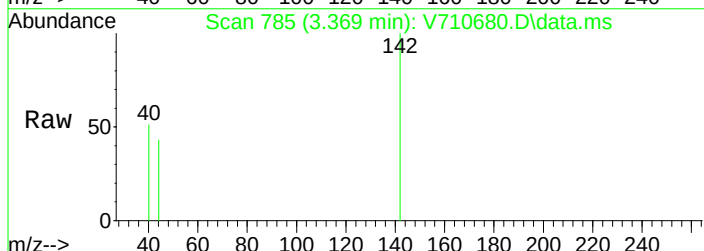
#12
Acetone
Concen: 0.23 ppb
RT: 3.288 min Scan# 756
Delta R.T. -0.000 min
Lab File: V710680.D
Acq: 24 Sep 2016 9:25 am

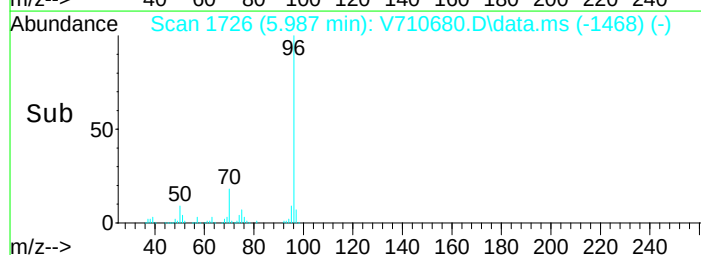
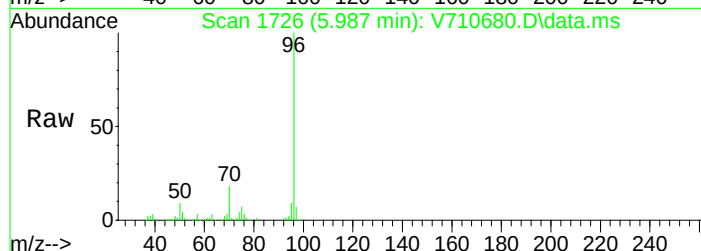
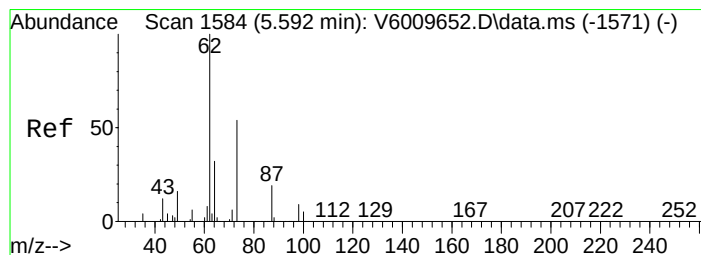
Tgt Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
43 100.0 80.0 120.0
58 9.2 16.0 47.9#



#13
Iodomethane
Concen: 4.04 ppb
RT: 3.369 min Scan# 785
Delta R.T. 0.006 min
Lab File: V710680.D
Acq: 24 Sep 2016 9:25 am

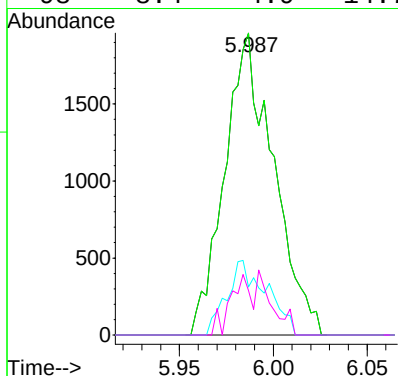
Tgt Ion: 142 Resp: 215
Ion Ratio Lower Upper
142 100
142 100.0 80.0 120.0
127 0.0 19.7 59.1#





#37
 1,2-Dichloroethane
 Concen: 0.50 ppb
 RT: 5.987 min Scan# 1726
 Delta R.T. 0.217 min
 Lab File: V710680.D
 Acq: 24 Sep 2016 9:25 am

Tgt Ion:	62	Resp:	3542
Ion Ratio	Lower	Upper	
62	100		
62	100.0	80.0	120.0
64	20.1	16.3	48.8
98	8.4	4.9	14.7



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-21 File ID: V710681.D
 Sampled: 09/14/16 10:30 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 09:51
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-21 File ID: V710681.D
 Sampled: 09/14/16 10:30 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 09:51
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.3	103	69 - 130	
Toluene-d8	10.0	9.66	96.6	81 - 117	
p-Bromofluorobenzene	10.0	9.85	98.5	79 - 122	

* Values outside of QC limits

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710681.D
 Acq On : 24 Sep 2016 9:51 am
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-21
 Misc : QBV7092316B 8260 LOW A
 ALS Vial : 57 Sample Multiplier: 1

Quant Time: Sep 26 10:46:34 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

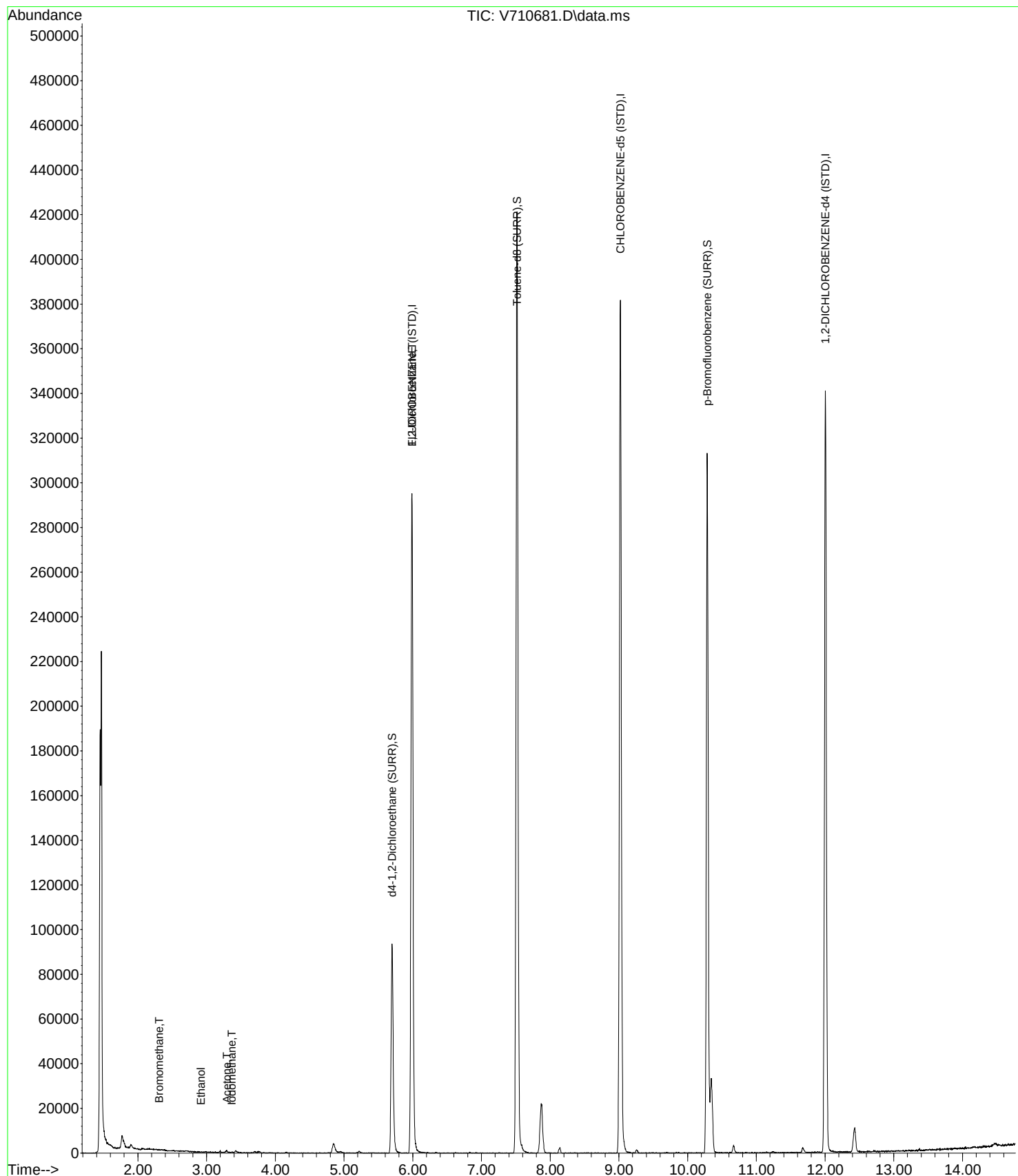
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

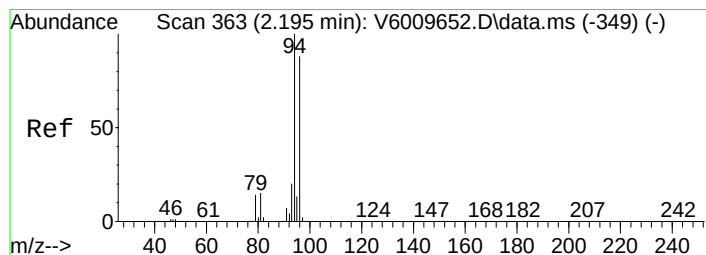
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	59799	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	271372	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	117137	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	65869	10.33	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	103.30%	
51) Toluene-d8 (SURR)	7.517	98	325739	9.66	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	96.60%	
70) p-Bromofluorobenzene (...)	10.285	95	129637	9.85	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	98.50%	
Target Compounds						
5) Bromomethane	2.309	94	20	3.45	ppb	Qvalue 99
8) Ethanol	2.918	45	17	0.77	ppb	100
12) Acetone	3.293	43	581	0.38	ppb	# 86
13) Iodomethane	3.366	142	140	4.02	ppb	# 82
37) 1,2-Dichloroethane	5.989	62	3578	0.49	ppb	# 90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : G:\MSV0A7 V7\DAILY DATA\V7092316\
Data File : V710681.D
Acq On : 24 Sep 2016 9:51 am
InstName : MSV0A7
Operator : SS
Sample : 16I0590-21
Misc : QBV7092316B 8260 LOW A
ALS Vial : 57 Sample Multiplier: 1

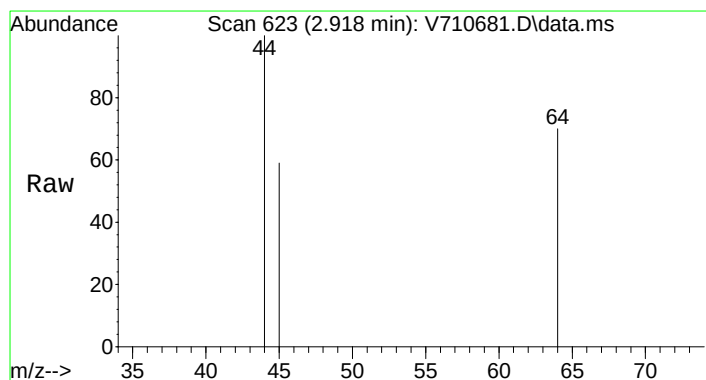
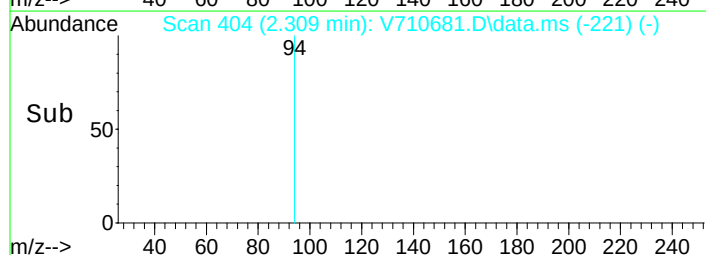
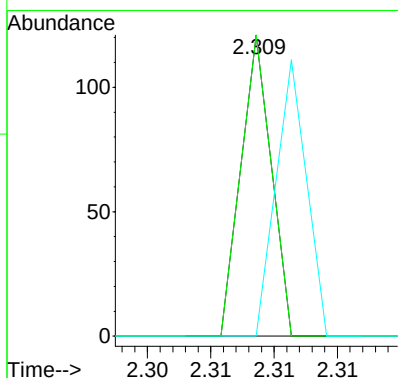
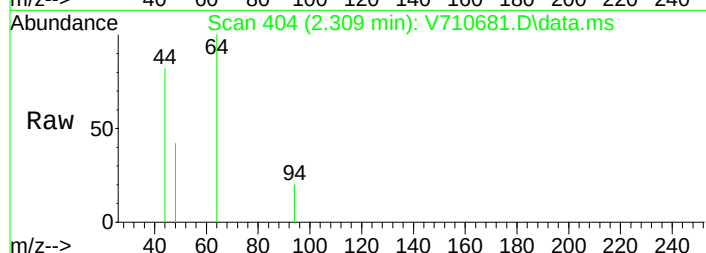
Quant Time: Sep 26 10:46:34 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





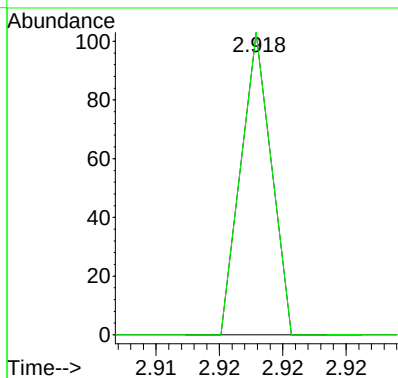
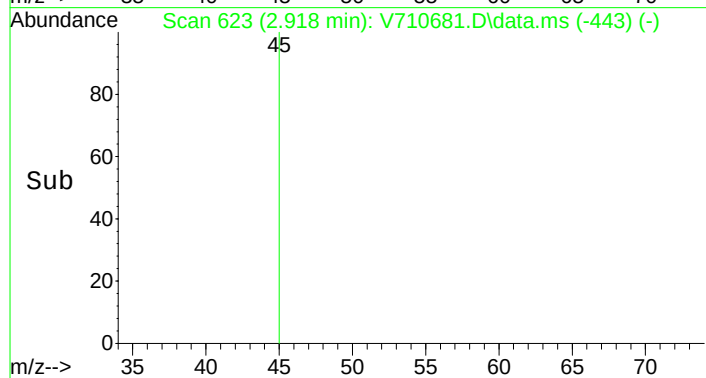
#5
Bromomethane
Concen: 3.45 ppb
RT: 2.309 min Scan# 404
Delta R.T. 0.008 min
Lab File: V710681.D
Acq: 24 Sep 2016 9:51 am

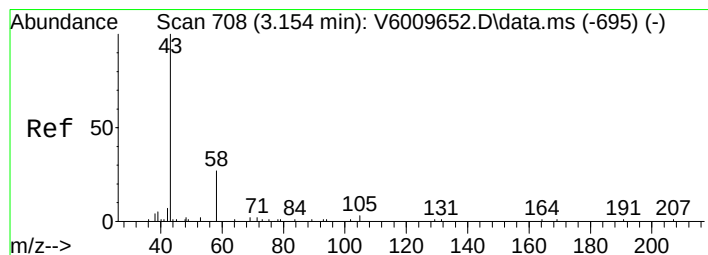
Tgt Ion	Ratio	Lower	Upper
94	100		
94	100.0	50.0	150.0
96	90.0	46.2	138.6



#8
Ethanol
Concen: 0.77 ppb
RT: 2.918 min Scan# 623
Delta R.T. -0.000 min
Lab File: V710681.D
Acq: 24 Sep 2016 9:51 am

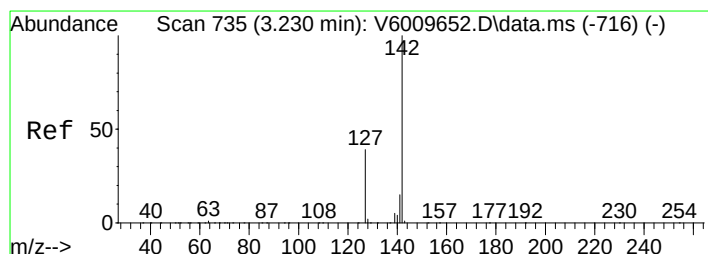
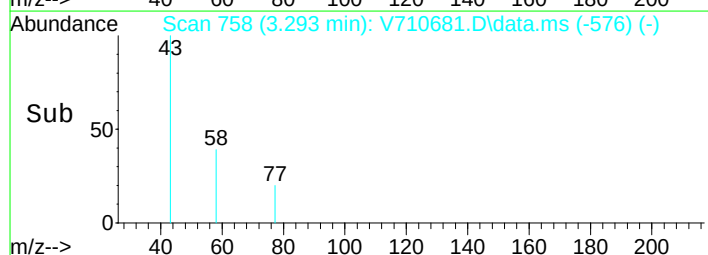
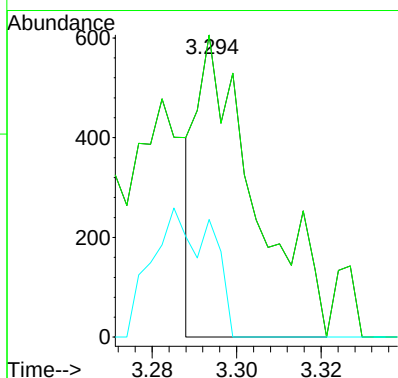
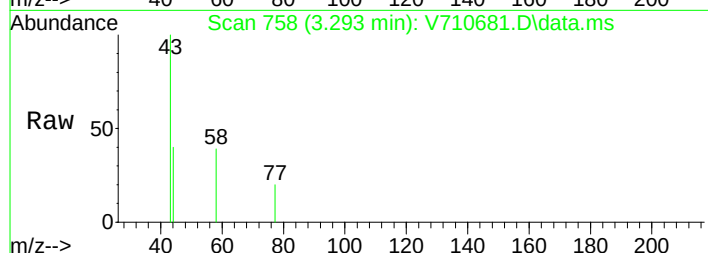
Tgt Ion	Ratio	Lower	Upper
45	100		
45	100.0	50.0	150.0





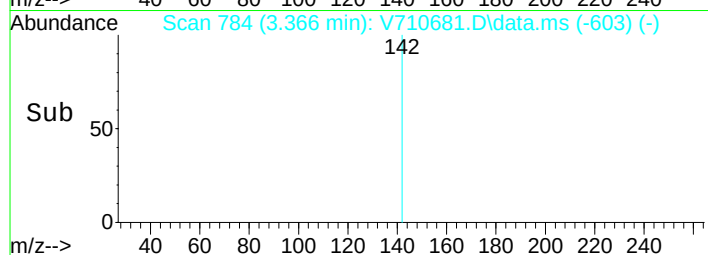
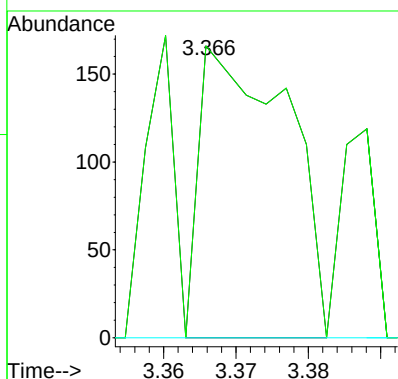
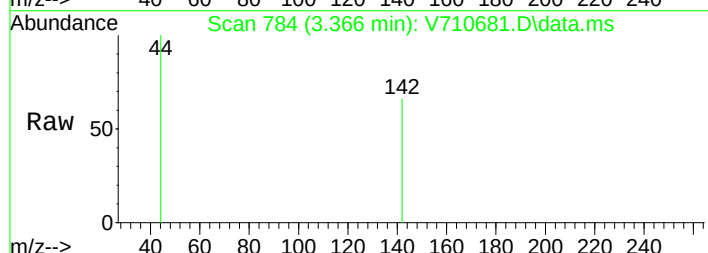
#12
Acetone
Concen: 0.38 ppb
RT: 3.293 min Scan# 758
Delta R.T. 0.006 min
Lab File: V710681.D
Acq: 24 Sep 2016 9:51 am

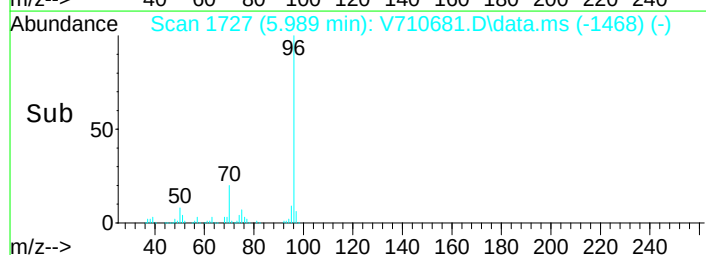
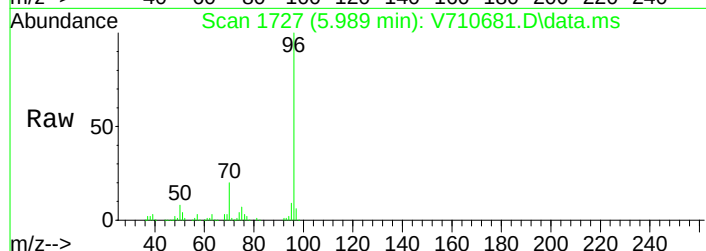
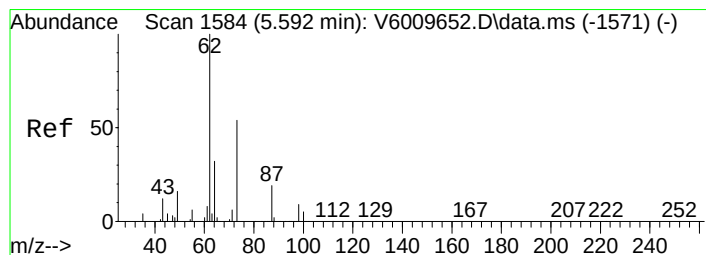
Tgt Ion: 43 Resp: 581
Ion Ratio Lower Upper
43 100
43 100.0 80.0 120.0
58 0.0 16.0 47.9#



#13
Iodomethane
Concen: 4.02 ppb
RT: 3.366 min Scan# 784
Delta R.T. 0.003 min
Lab File: V710681.D
Acq: 24 Sep 2016 9:51 am

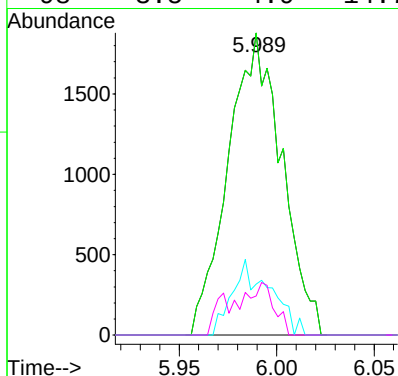
Tgt Ion: 142 Resp: 140
Ion Ratio Lower Upper
142 100
142 100.0 80.0 120.0
127 0.0 19.7 59.1#





#37
 1,2-Dichloroethane
 Concen: 0.49 ppb
 RT: 5.989 min Scan# 1727
 Delta R.T. 0.220 min
 Lab File: V710681.D
 Acq: 24 Sep 2016 9:51 am

Tgt Ion:	62	Resp:	3578
Ion Ratio	Lower	Upper	
62	100		
62	100.0	80.0	120.0
64	10.2	16.3	48.8#
98	3.5	4.9	14.7#



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-42B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-22 File ID: V710682.D
 Sampled: 09/14/16 09:08 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 10:17
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-42B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-22 File ID: V710682.D
 Sampled: 09/14/16 09:08 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 10:17
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.3	103	69 - 130	
Toluene-d8	10.0	9.72	97.2	81 - 117	
p-Bromofluorobenzene	10.0	10.1	101	79 - 122	

* Values outside of QC limits

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710682.D
 Acq On : 24 Sep 2016 10:17 am
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-22
 Misc : QBV7092316B 8260 LOW A
 ALS Vial : 58 Sample Multiplier: 1

Quant Time: Sep 26 10:46:39 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

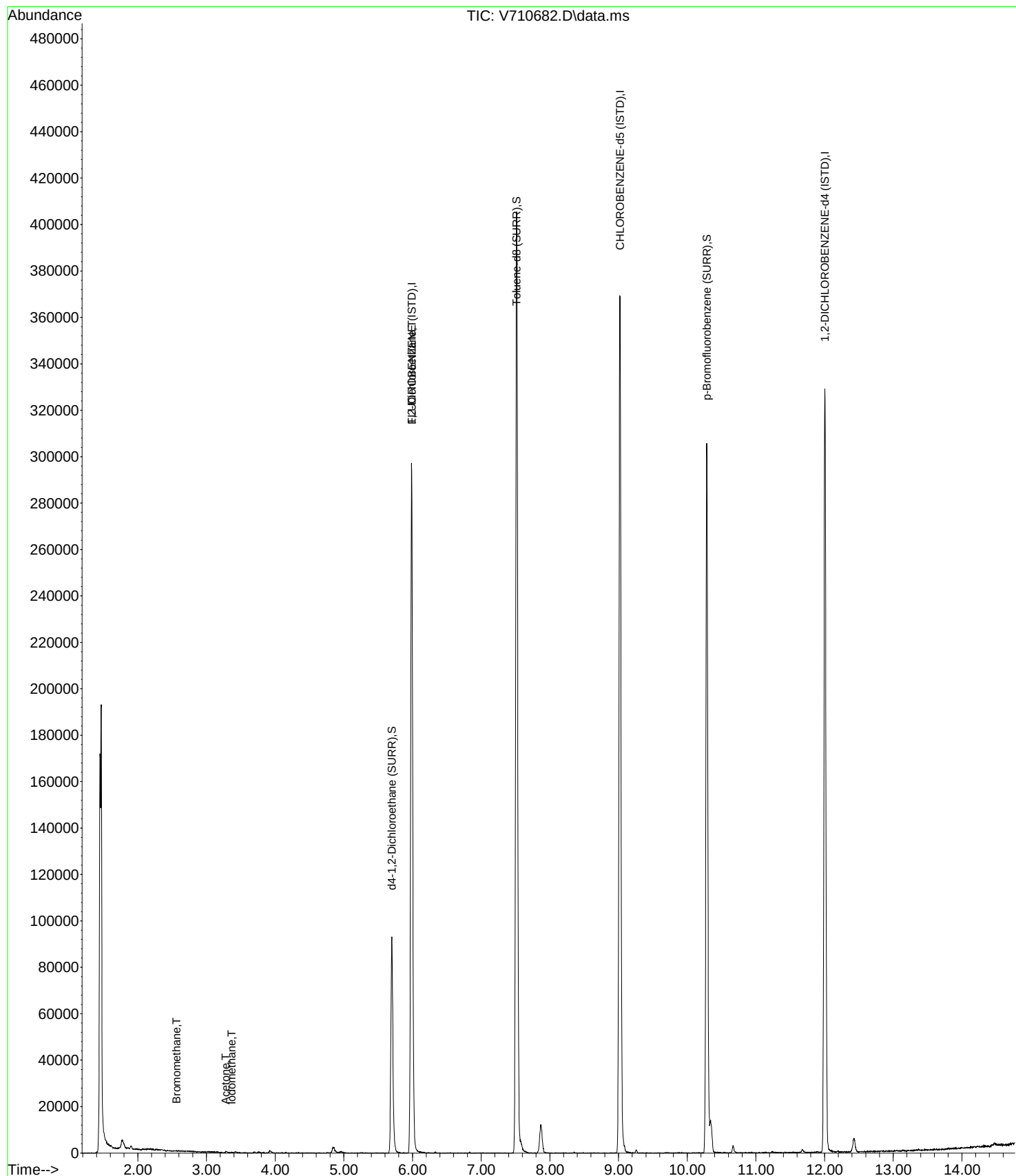
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

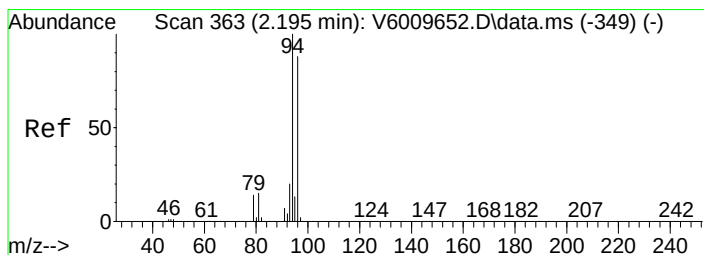
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	58123	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	266570	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	113244	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	63930	10.31	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	103.10%	
51) Toluene-d8 (SURR)	7.514	98	322274	9.72	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	97.20%	
70) p-Bromofluorobenzene (...)	10.282	95	128594	10.11	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	101.10%	
Target Compounds						
5) Bromomethane	2.562	94	20	3.45	ppb	Qvalue 91
12) Acetone	3.280	43	370	0.25	ppb	94
13) Iodomethane	3.366	142	191	4.03	ppb	# 86
37) 1,2-Dichloroethane	5.989	62	3534	0.50	ppb	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : G:\MSV0A7 V7\DAILY DATA\V7092316\
Data File : V710682.D
Acq On : 24 Sep 2016 10:17 am
InstName : MSV0A7
Operator : SS
Sample : 16I0590-22
Misc : QBV7092316B 8260 LOW A
ALS Vial : 58 Sample Multiplier: 1

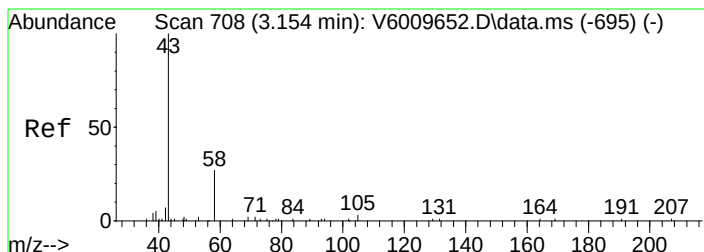
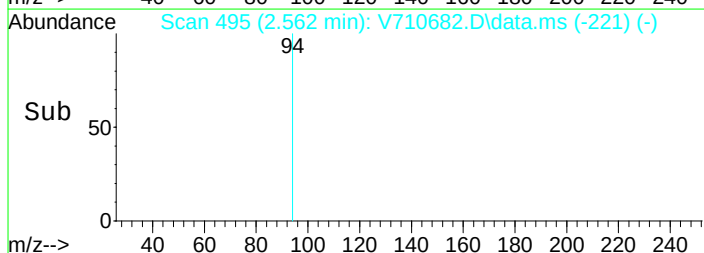
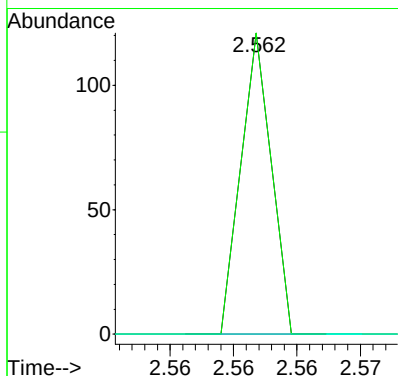
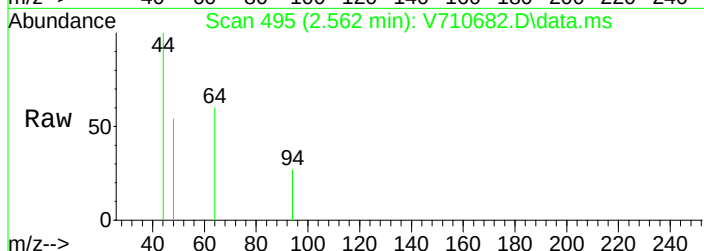
Quant Time: Sep 26 10:46:39 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





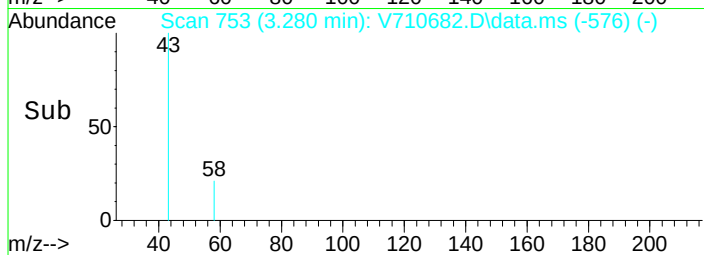
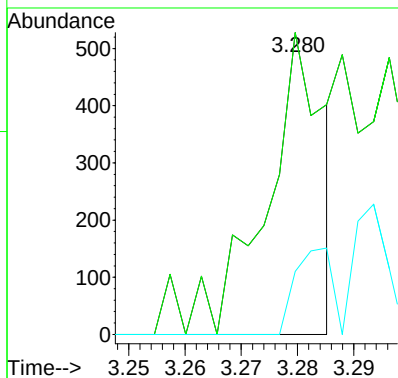
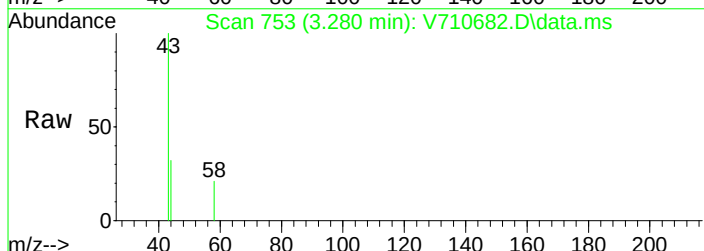
#5
 Bromomethane
 Concen: 3.45 ppb
 RT: 2.562 min Scan# 495
 Delta R.T. 0.262 min
 Lab File: V710682.D
 Acq: 24 Sep 2016 10:17 am

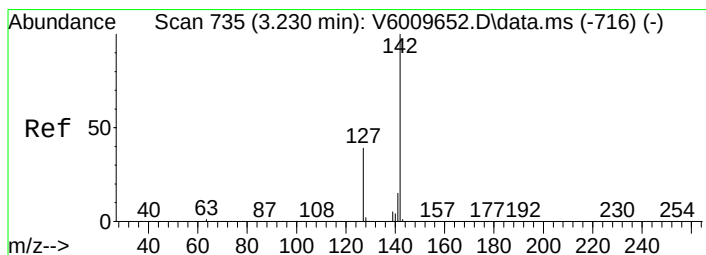
Tgt Ion	Ratio	Lower	Upper
94	100		
94	100.0	50.0	150.0
96	110.0	46.2	138.6



#12
 Acetone
 Concen: 0.25 ppb
 RT: 3.280 min Scan# 753
 Delta R.T. -0.008 min
 Lab File: V710682.D
 Acq: 24 Sep 2016 10:17 am

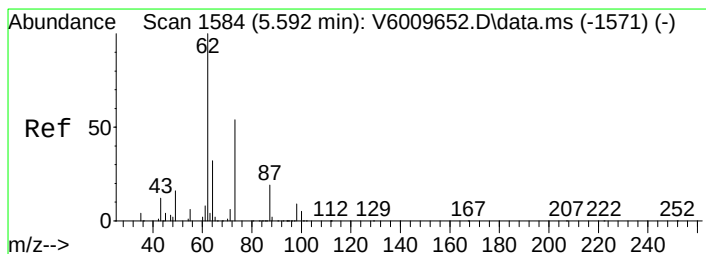
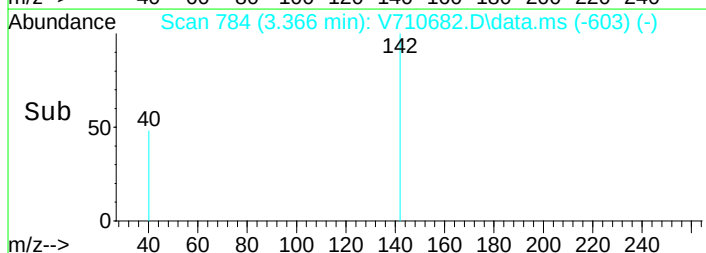
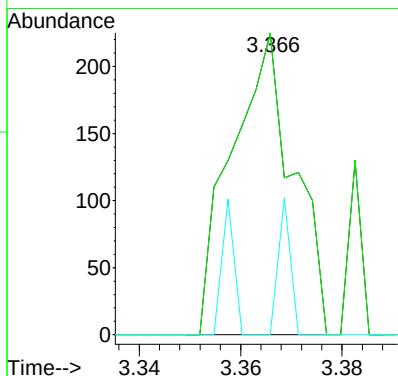
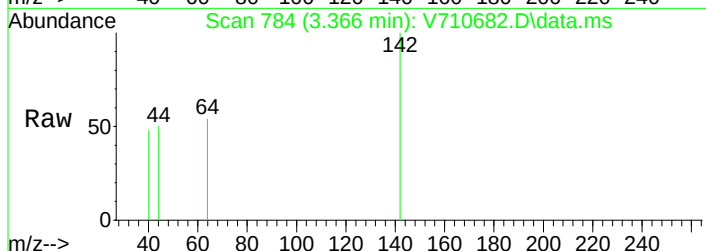
Tgt Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	18.4	16.0	47.9





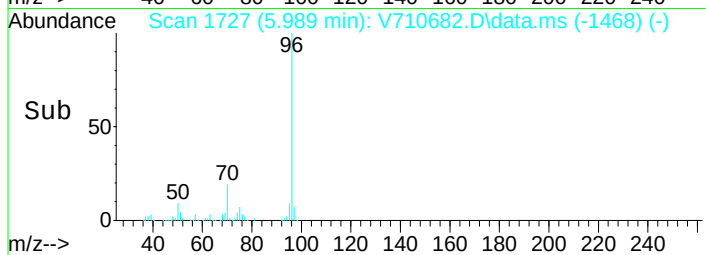
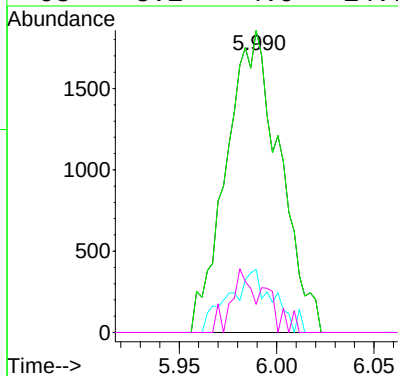
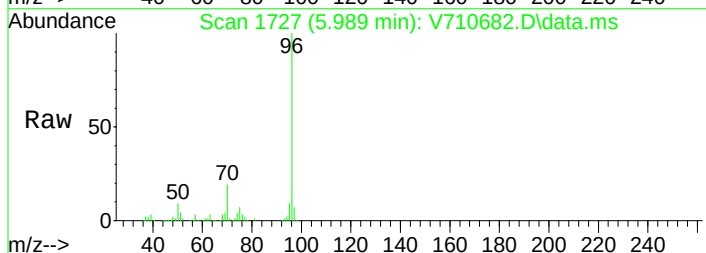
#13
Iodomethane
Concen: 4.03 ppb
RT: 3.366 min Scan# 784
Delta R.T. 0.003 min
Lab File: V710682.D
Acq: 24 Sep 2016 10:17 am

Tgt Ion	Ratio	Lower	Upper
142	100		
142	100.0	80.0	120.0
127	8.9	19.7	59.1#



#37
1,2-Dichloroethane
Concen: 0.50 ppb
RT: 5.989 min Scan# 1727
Delta R.T. 0.220 min
Lab File: V710682.D
Acq: 24 Sep 2016 10:17 am

Tgt Ion	Ratio	Lower	Upper
62	100		
62	100.0	80.0	120.0
64	16.7	16.3	48.8
98	5.1	4.9	14.7



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-43A

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-23 File ID: V710683.D
 Sampled: 09/13/16 13:19 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 10:44
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.38	J
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-43A

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-23 File ID: V710683.D
 Sampled: 09/13/16 13:19 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 10:44
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.4	104	69 - 130	
Toluene-d8	10.0	9.65	96.5	81 - 117	
p-Bromofluorobenzene	10.0	9.97	99.7	79 - 122	

* Values outside of QC limits

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710683.D
 Acq On : 24 Sep 2016 10:44 am
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-23
 Misc : QBV7092316B 8260 LOW A
 ALS Vial : 59 Sample Multiplier: 1

Quant Time: Sep 26 10:46:44 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

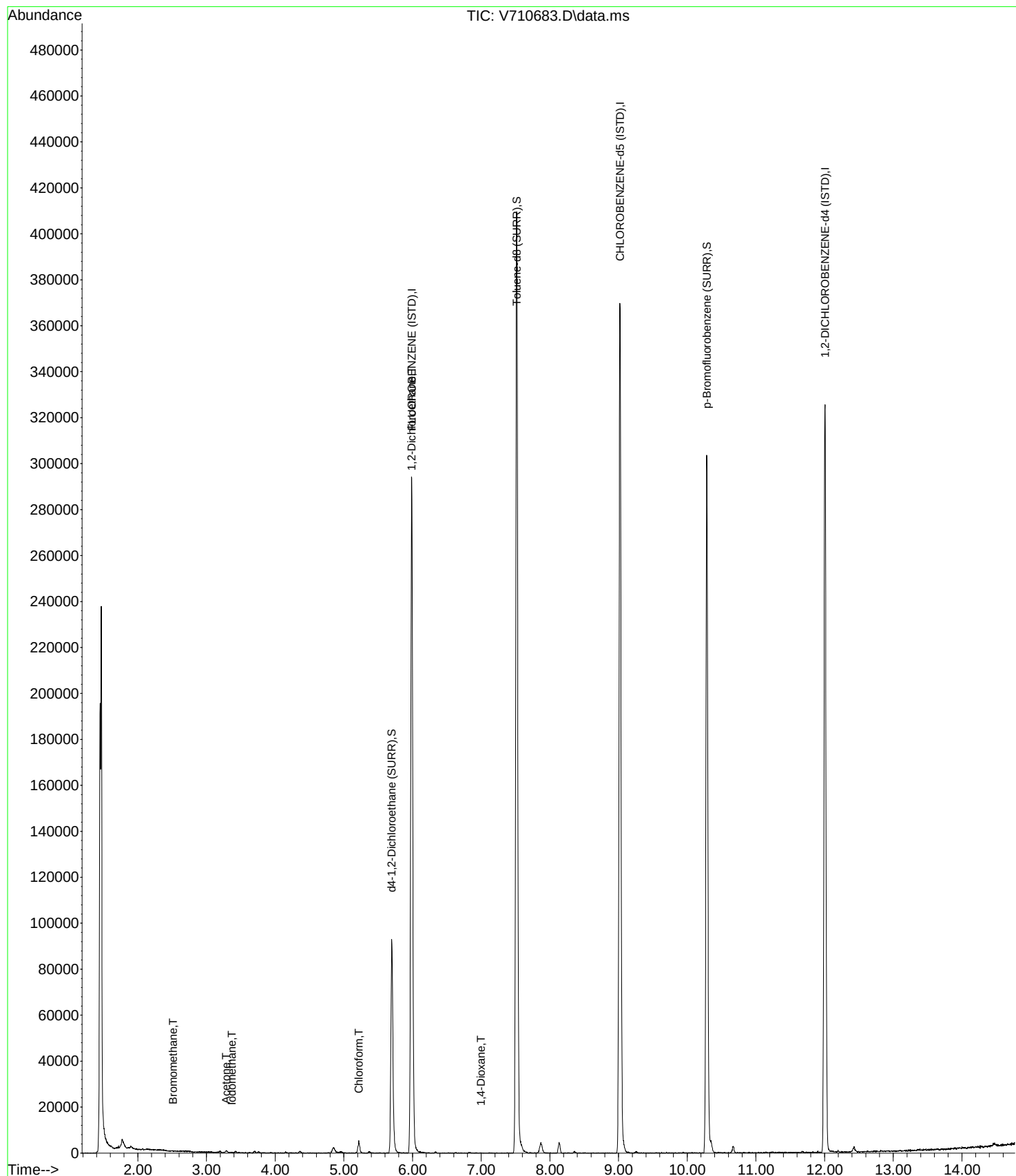
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

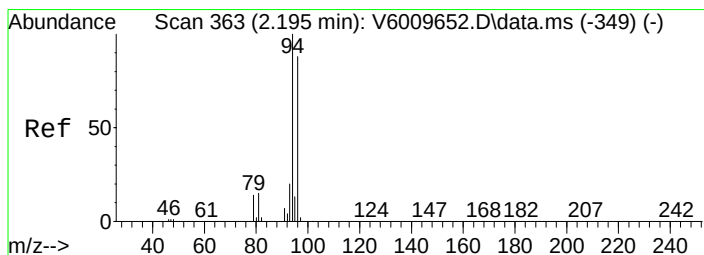
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	57710	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	266247	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.007	152	113279	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	64105	10.42	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	104.20%	
51) Toluene-d8 (SURR)	7.517	98	319515	9.65	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.50%	
70) p-Bromofluorobenzene (...)	10.285	95	126836	9.97	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.70%	
Target Compounds						
						Qvalue
5) Bromomethane	2.512	94	18	3.45	ppb	99
12) Acetone	3.285	43	572	0.39	ppb	98
13) Iodomethane	3.368	142	27	3.99	ppb	# 82
30) Chloroform	5.219	83	4300	0.38	ppb	# 68
37) 1,2-Dichloroethane	5.984	62	3488	0.50	ppb	# 86
47) 1,4-Dioxane	6.997	88	17	0.44	ppb	# 71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : G:\MSV0A7 V7\DAILY DATA\V7092316\
Data File : V710683.D
Acq On : 24 Sep 2016 10:44 am
InstName : MSV0A7
Operator : SS
Sample : 16I0590-23
Misc : QBV7092316B 8260 LOW A
ALS Vial : 59 Sample Multiplier: 1

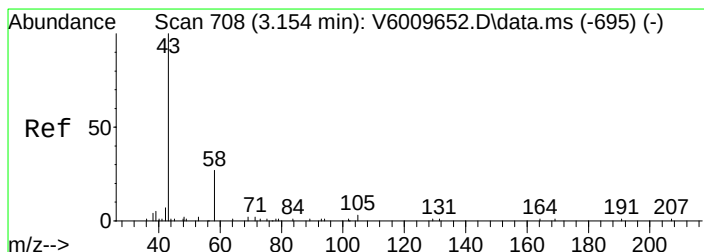
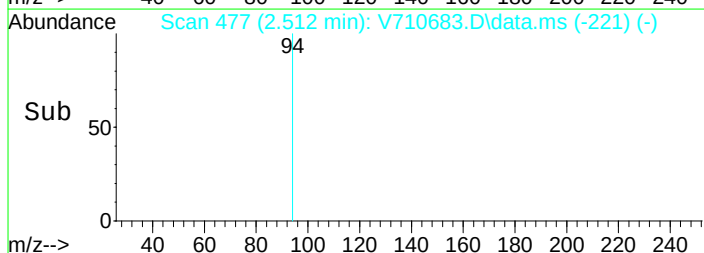
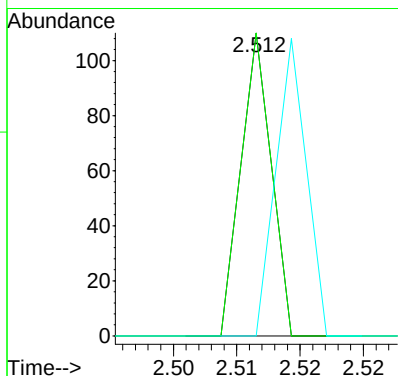
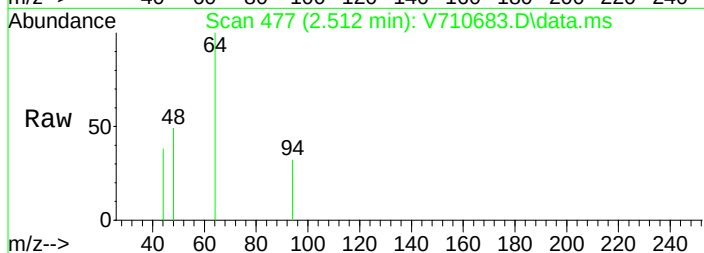
Quant Time: Sep 26 10:46:44 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





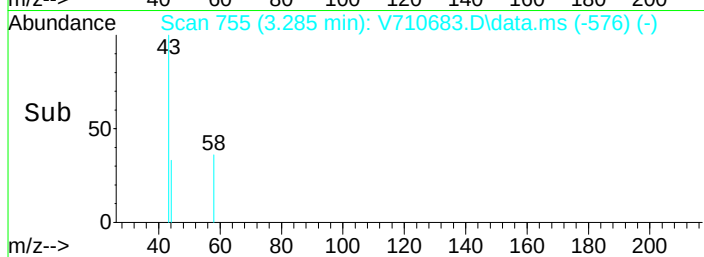
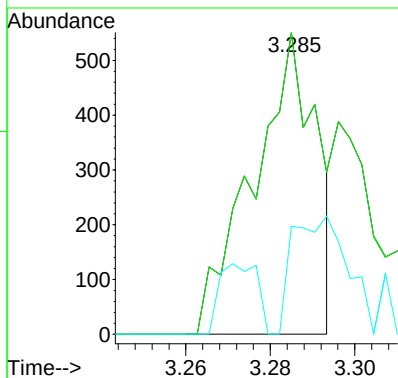
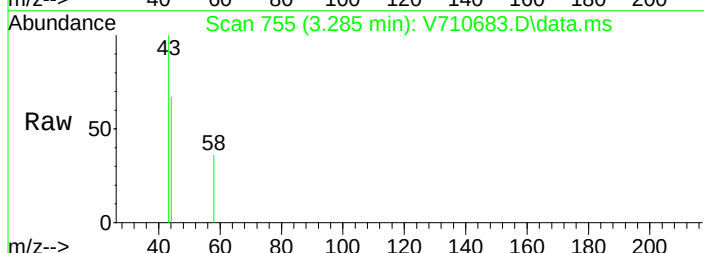
#5
Bromomethane
Concen: 3.45 ppb
RT: 2.512 min Scan# 477
Delta R.T. 0.211 min
Lab File: V710683.D
Acq: 24 Sep 2016 10:44 am

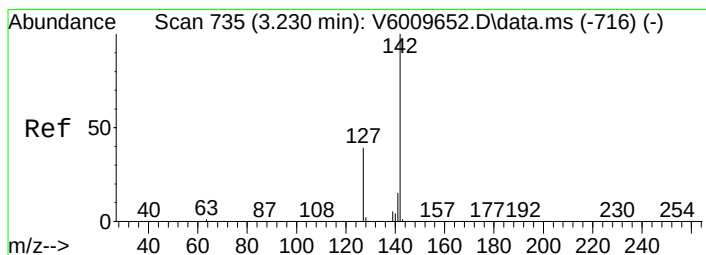
Tgt Ion	Ratio	Lower	Upper
94	100		
94	100.0	50.0	150.0
96	94.4	46.2	138.6



#12
Acetone
Concen: 0.39 ppb
RT: 3.285 min Scan# 755
Delta R.T. -0.003 min
Lab File: V710683.D
Acq: 24 Sep 2016 10:44 am

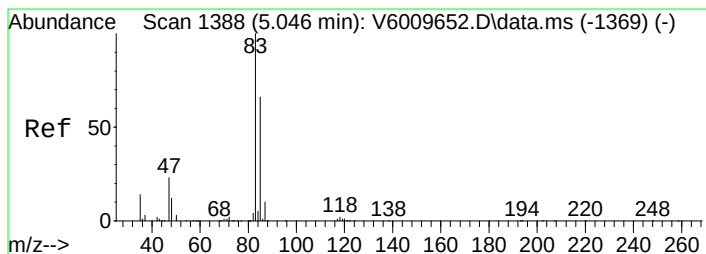
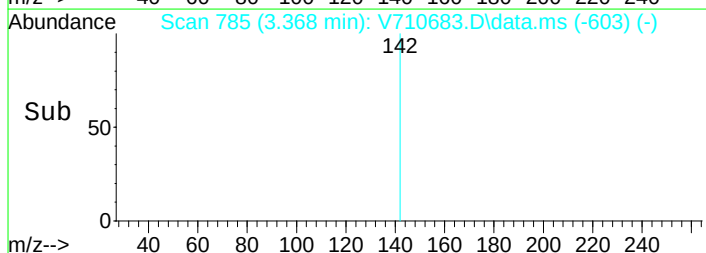
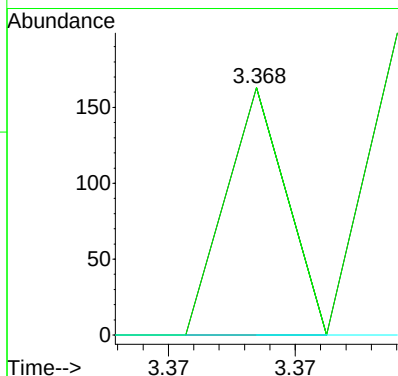
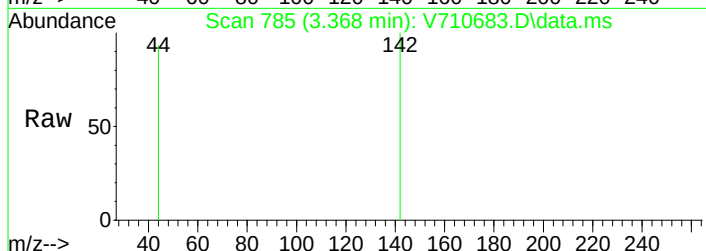
Tgt Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	37.4	16.0	47.9





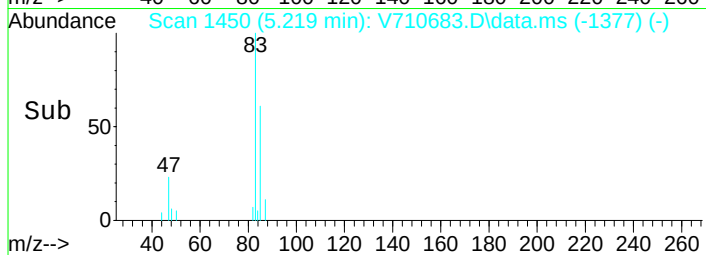
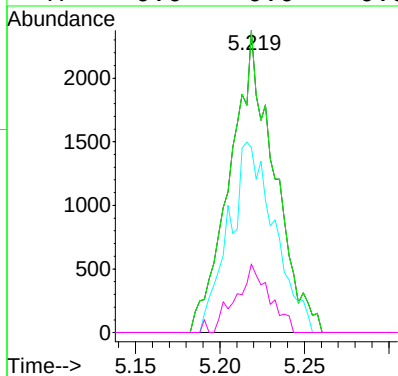
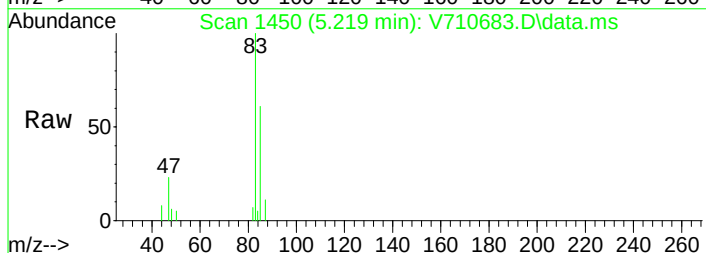
#13
Iodomethane
Concen: 3.99 ppb
RT: 3.368 min Scan# 785
Delta R.T. 0.006 min
Lab File: V710683.D
Acq: 24 Sep 2016 10:44 am

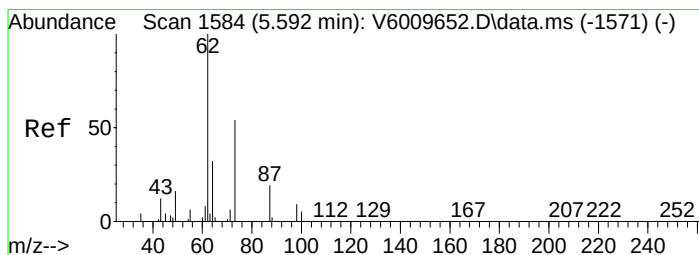
Tgt Ion	Ratio	Lower	Upper
142	100		
142	100.0	80.0	120.0
127	0.0	19.7	59.1#



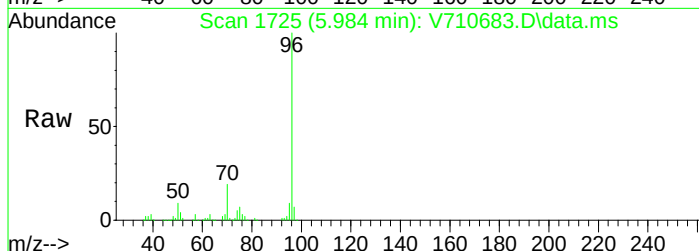
#30
Chloroform
Concen: 0.38 ppb
RT: 5.219 min Scan# 1450
Delta R.T. 0.003 min
Lab File: V710683.D
Acq: 24 Sep 2016 10:44 am

Tgt Ion	Ratio	Lower	Upper
83	100		
83	100.0	65.0	135.0
85	0.0	42.1	87.3#
47	0.0	0.0	0.0

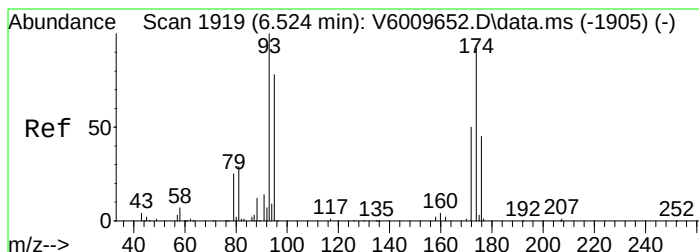
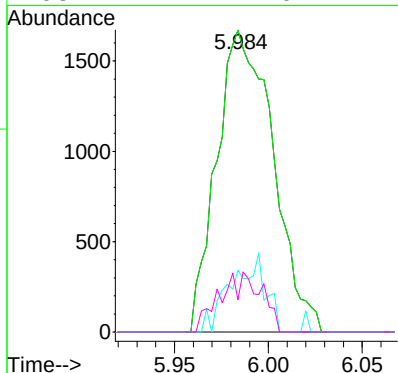
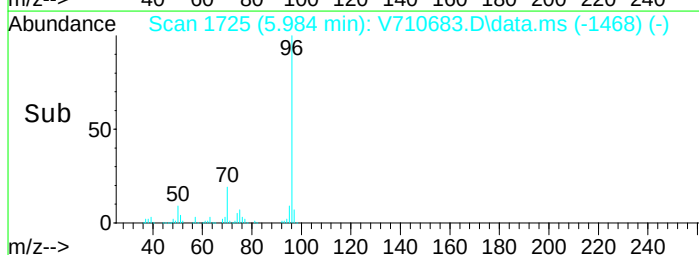




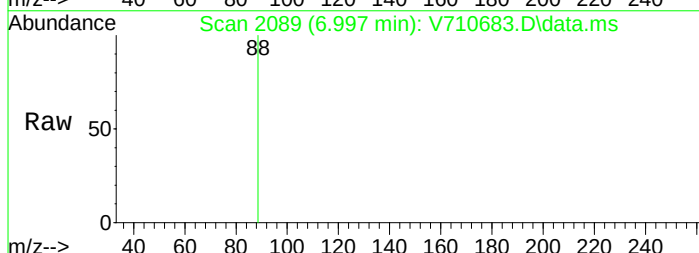
#37
1,2-Dichloroethane
Concen: 0.50 ppb
RT: 5.984 min Scan# 1725
Delta R.T. 0.214 min
Lab File: V710683.D
Acq: 24 Sep 2016 10:44 am



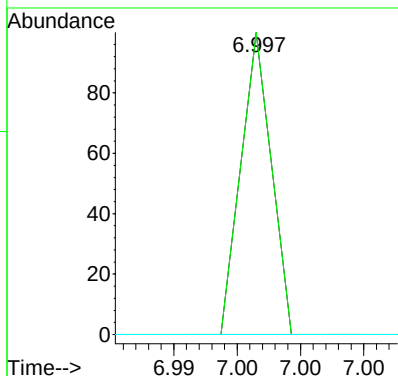
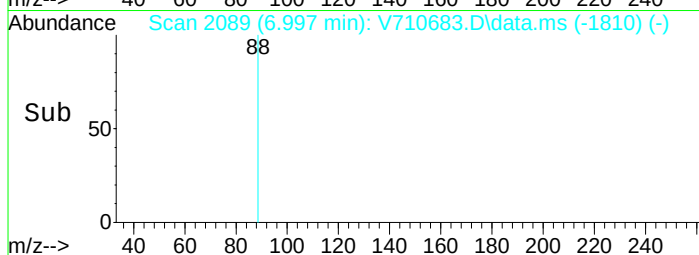
Tgt Ion: 62 Resp: 3488
Ion Ratio Lower Upper
62 100
62 100.0 80.0 120.0
64 0.0 16.3 48.8#
98 7.2 4.9 14.7



#47
1,4-Dioxane
Concen: 0.44 ppb
RT: 6.997 min Scan# 2089
Delta R.T. 0.275 min
Lab File: V710683.D
Acq: 24 Sep 2016 10:44 am



Tgt Ion: 88 Resp: 17
Ion Ratio Lower Upper
88 100
88 100.0 80.0 120.0
58 0.0 29.0 87.1#



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-43B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries

Matrix: Water Laboratory ID: 16I0590-24 File ID: V710684.D

Sampled: 09/13/16 12:40 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 11:10

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.52	
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-43B

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-24 File ID: V710684.D
 Sampled: 09/13/16 12:40 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 11:10
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.4	104	69 - 130	
Toluene-d8	10.0	9.61	96.1	81 - 117	
p-Bromofluorobenzene	10.0	10.0	100	79 - 122	

* Values outside of QC limits

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710684.D
 Acq On : 24 Sep 2016 11:10 am
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-24
 Misc : QBV7092316B 8260 LOW A
 ALS Vial : 60 Sample Multiplier: 1

Quant Time: Sep 26 10:46:48 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

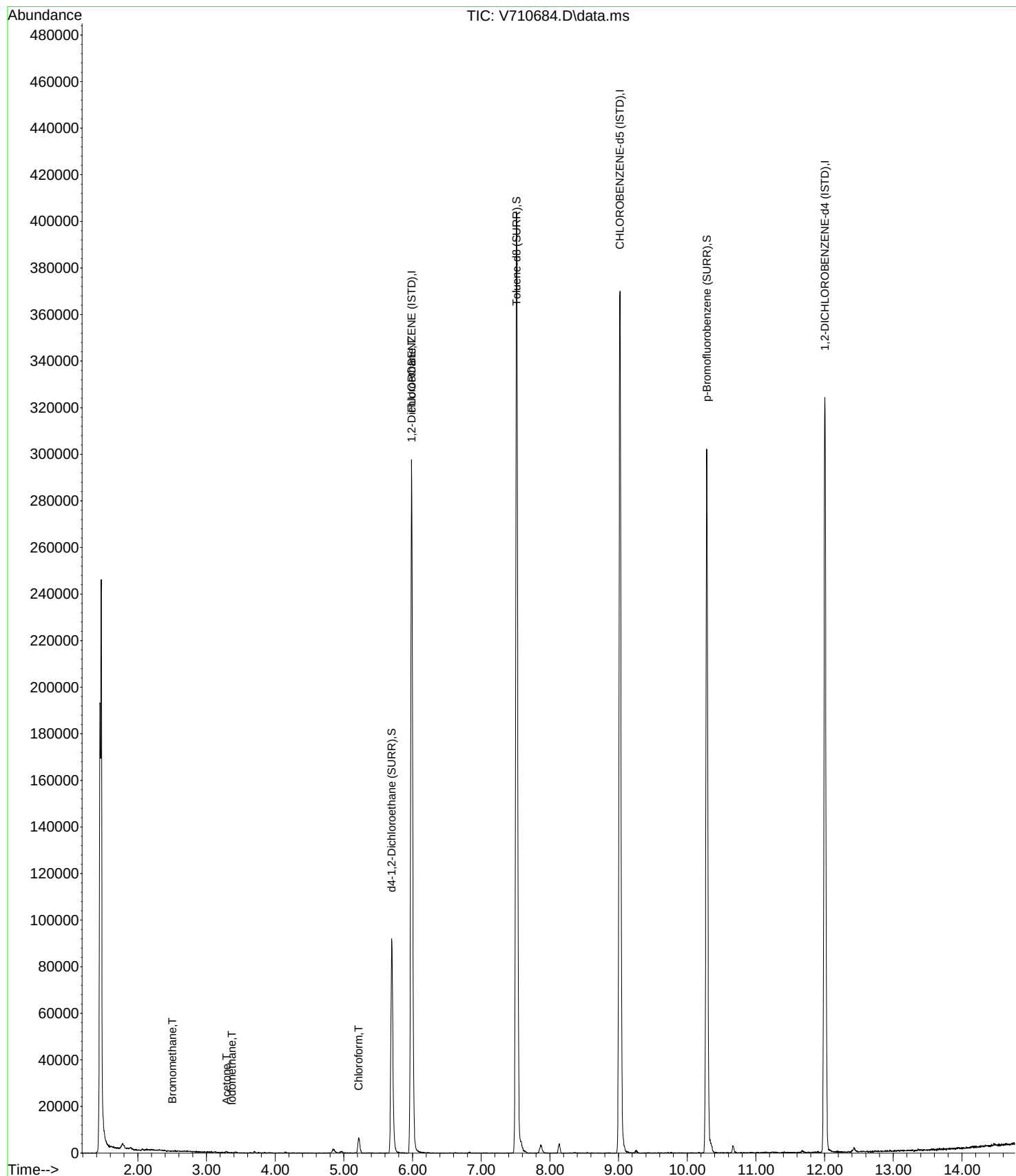
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

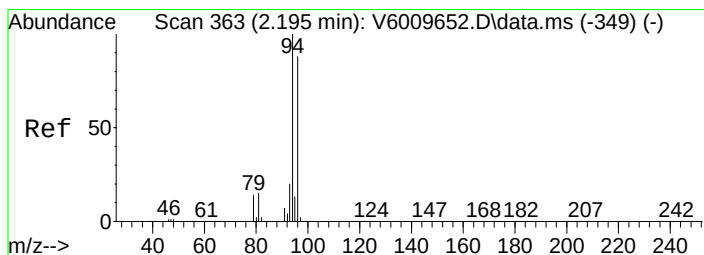
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.987	70	57649	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.019	117	265660	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	112033	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	63830	10.38	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.80%	
51) Toluene-d8 (SURR)	7.514	98	317306	9.61	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.10%	
70) p-Bromofluorobenzene (...)	10.285	95	125917	10.01	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.10%	
Target Compounds						
5) Bromomethane	2.500	94	18	3.45	ppb	Qvalue # 54
12) Acetone	3.291	43	545	0.37	ppb	# 98
13) Iodomethane	3.369	142	44	3.99	ppb	# 82
30) Chloroform	5.216	83	5897	0.52	ppb	# 99
37) 1,2-Dichloroethane	5.984	62	3329	0.48	ppb	# 89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : G:\MSV0A7 V7\DAILY DATA\V7092316\
Data File : V710684.D
Acq On : 24 Sep 2016 11:10 am
InstName : MSV0A7
Operator : SS
Sample : 16I0590-24
Misc : QBV7092316B 8260 LOW A
ALS Vial : 60 Sample Multiplier: 1

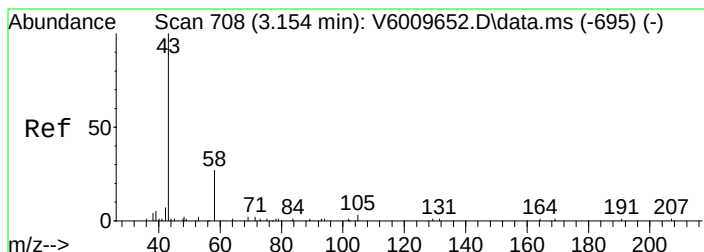
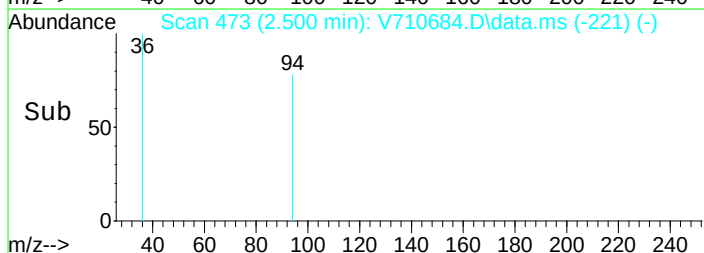
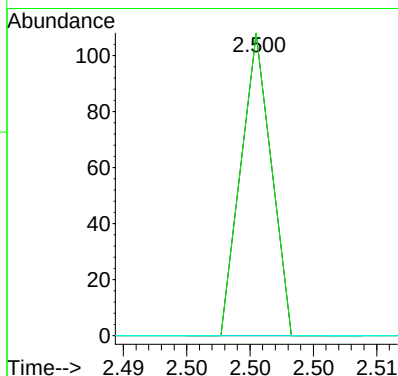
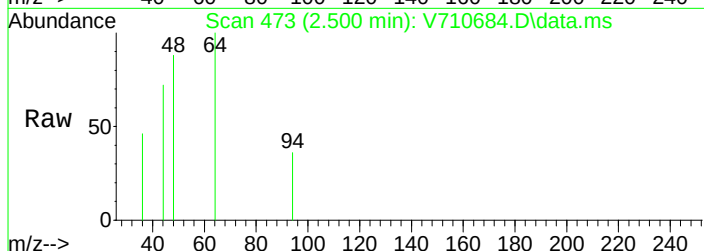
Quant Time: Sep 26 10:46:48 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





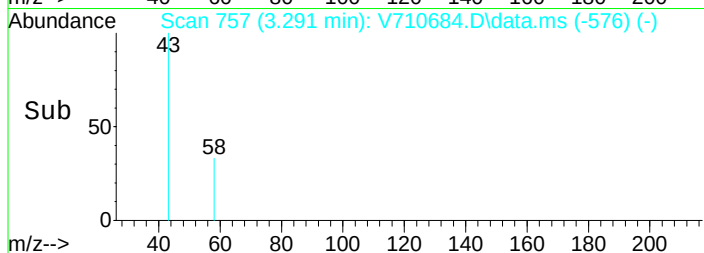
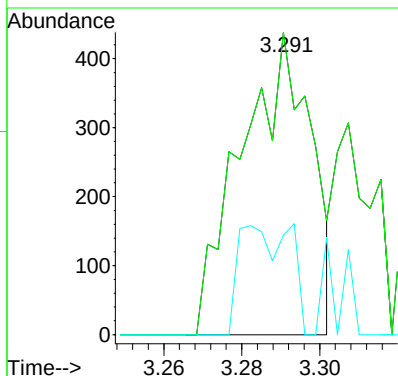
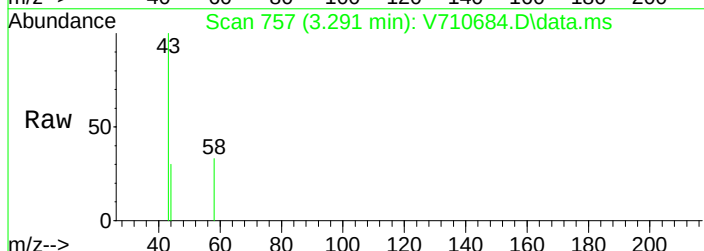
#5
Bromomethane
Concen: 3.45 ppb
RT: 2.500 min Scan# 473
Delta R.T. 0.200 min
Lab File: V710684.D
Acq: 24 Sep 2016 11:10 am

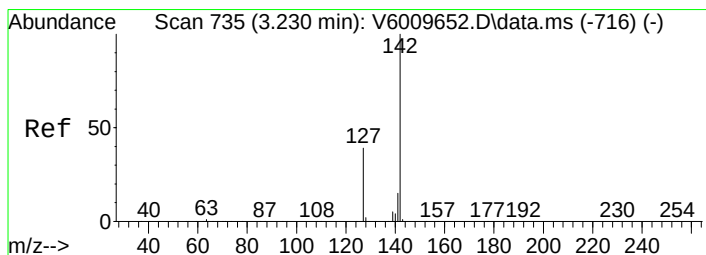
Tgt Ion	Ratio	Lower	Upper
94	100		
94	100.0	50.0	150.0
96	0.0	46.2	138.6#



#12
Acetone
Concen: 0.37 ppb
RT: 3.291 min Scan# 757
Delta R.T. 0.003 min
Lab File: V710684.D
Acq: 24 Sep 2016 11:10 am

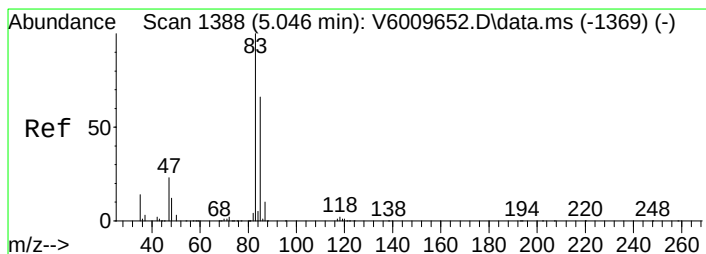
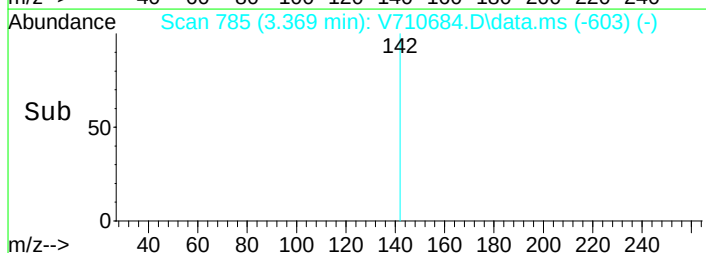
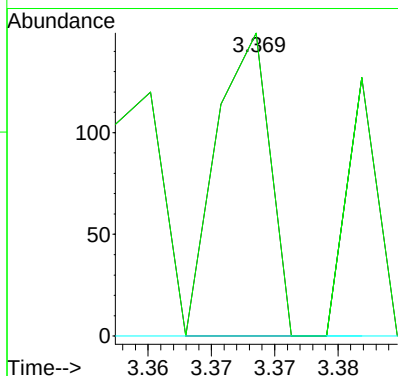
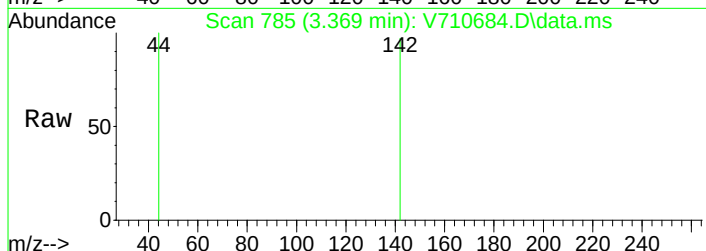
Tgt Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	26.8	16.0	47.9





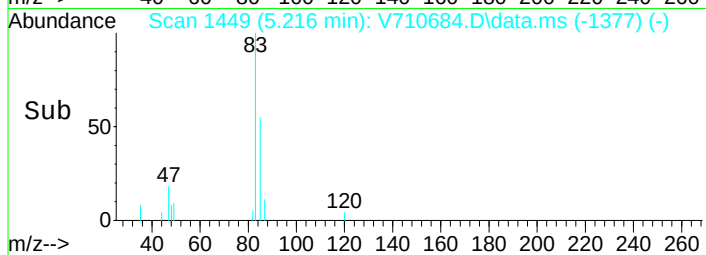
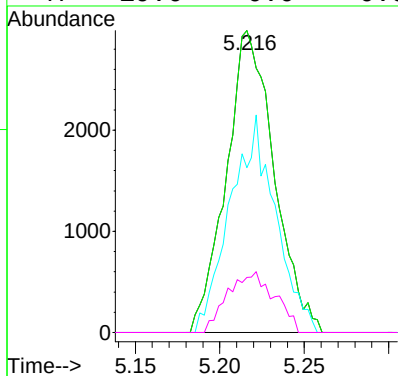
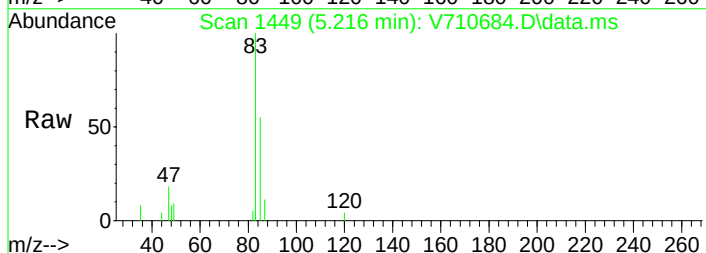
#13
Iodomethane
Concen: 3.99 ppb
RT: 3.369 min Scan# 785
Delta R.T. 0.006 min
Lab File: V710684.D
Acq: 24 Sep 2016 11:10 am

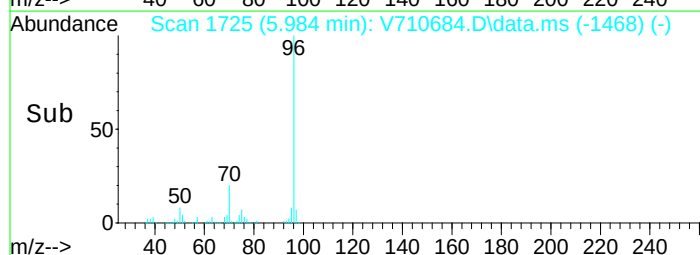
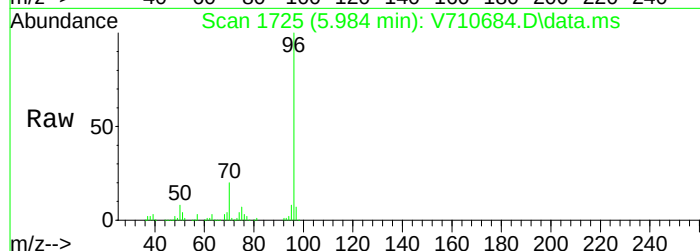
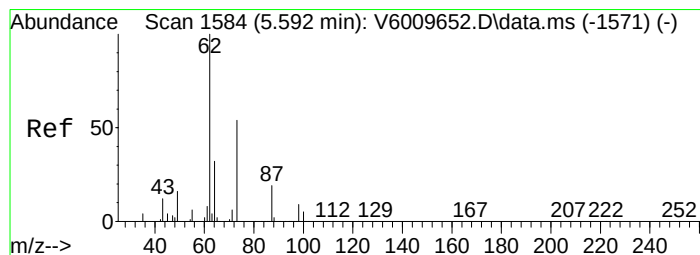
Tgt Ion	Ratio	Lower	Upper
142	100		
142	100.0	80.0	120.0
127	0.0	19.7	59.1#



#30
Chloroform
Concen: 0.52 ppb
RT: 5.216 min Scan# 1449
Delta R.T. 0.000 min
Lab File: V710684.D
Acq: 24 Sep 2016 11:10 am

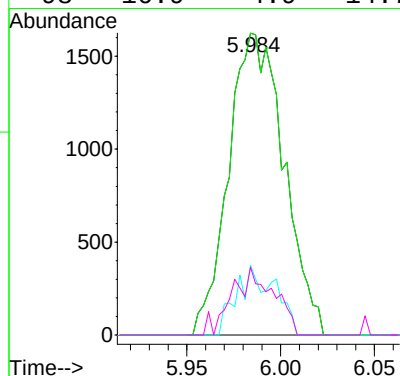
Tgt Ion	Ratio	Lower	Upper
83	100		
83	100.0	65.0	135.0
85	67.6	42.1	87.3
47	19.6	0.0	0.0#





#37
 1,2-Dichloroethane
 Concen: 0.48 ppb
 RT: 5.984 min Scan# 1725
 Delta R.T. 0.214 min
 Lab File: V710684.D
 Acq: 24 Sep 2016 11:10 am

Tgt Ion:	62	Resp:	3329
Ion Ratio	Lower	Upper	
62	100		
62	100.0	80.0	120.0
64	9.6	16.3	48.8#
98	16.9	4.9	14.7#



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-43C

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-25 File ID: V710685.D
 Sampled: 09/13/16 11:42 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 11:36
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.65	
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-43C

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-25 File ID: V710685.D
 Sampled: 09/13/16 11:42 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 11:36
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.4	104	69 - 130	
Toluene-d8	10.0	9.63	96.3	81 - 117	
p-Bromofluorobenzene	10.0	9.87	98.7	79 - 122	

* Values outside of QC limits

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710685.D
 Acq On : 24 Sep 2016 11:36 am
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-25
 Misc : QBV7092316B 8260 LOW A
 ALS Vial : 61 Sample Multiplier: 1

Quant Time: Sep 26 10:46:53 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

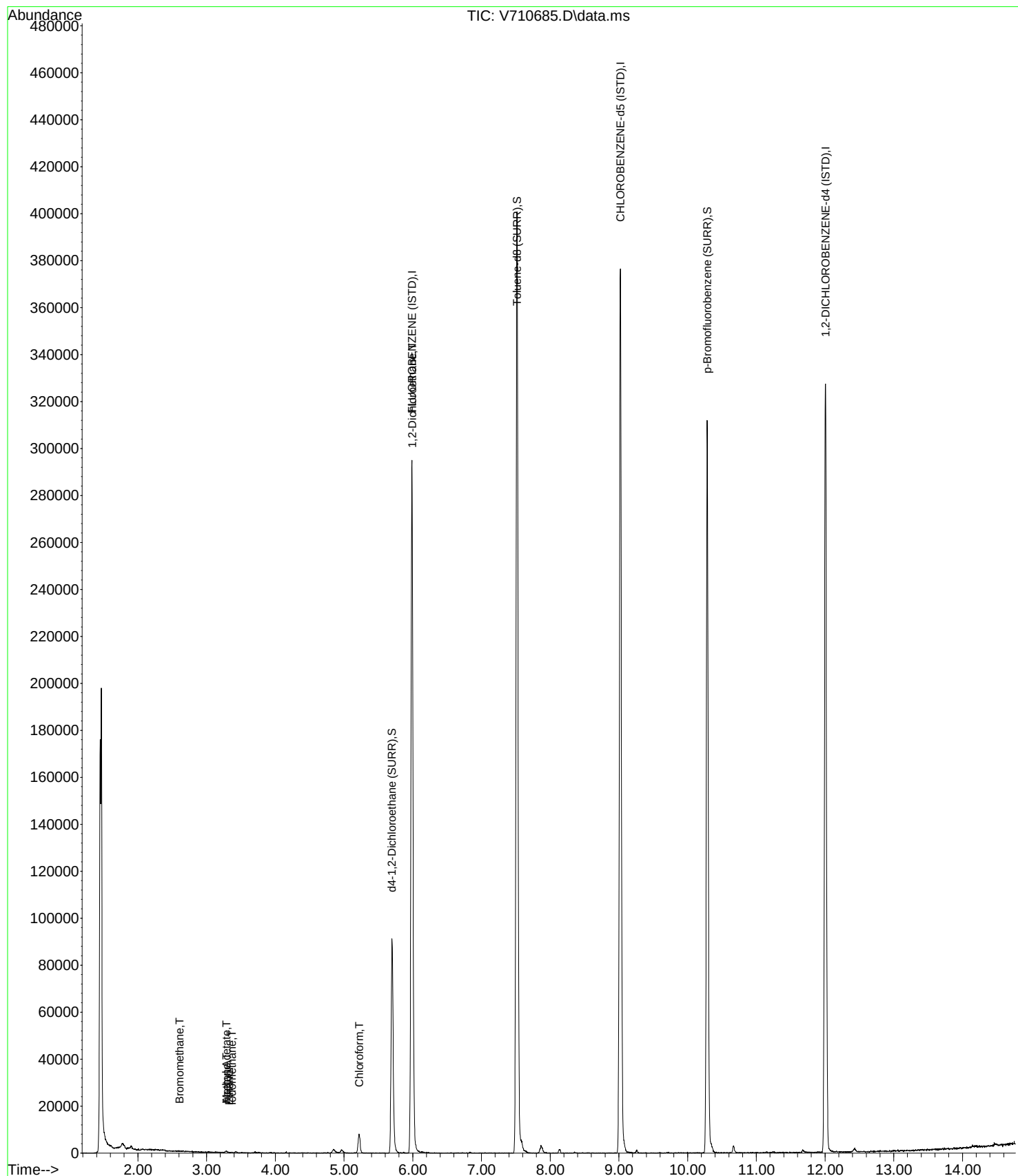
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

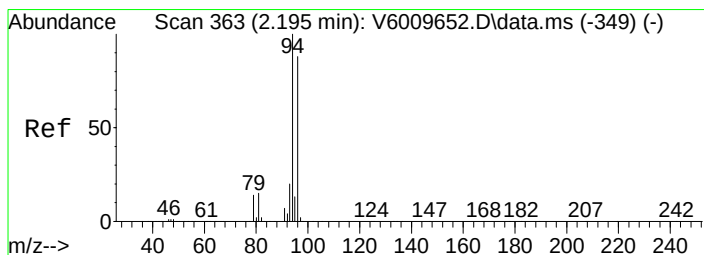
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	57922	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	266523	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.007	152	114227	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	64041	10.37	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.70%	
51) Toluene-d8 (SURR)	7.517	98	319136	9.63	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.30%	
70) p-Bromofluorobenzene (...)	10.285	95	126583	9.87	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.70%	
Target Compounds						
5) Bromomethane	2.603	94	19	3.45	ppb	Qvalue 96
8) Ethanol	3.327	45	17	0.79	ppb	100
12) Acetone	3.288	43	813	0.55	ppb	98
13) Iodomethane	3.369	142	94	4.00	ppb	# 82
14) Methyl Acetate	3.288	43	813	0.26	ppb	# 91
30) Chloroform	5.222	83	7308	0.65	ppb	# 68
37) 1,2-Dichloroethane	5.992	62	3418	0.49	ppb	# 92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : G:\MSV0A7 V7\DAILY DATA\V7092316\
Data File : V710685.D
Acq On : 24 Sep 2016 11:36 am
InstName : MSV0A7
Operator : SS
Sample : 16I0590-25
Misc : QBV7092316B 8260 LOW A
ALS Vial : 61 Sample Multiplier: 1

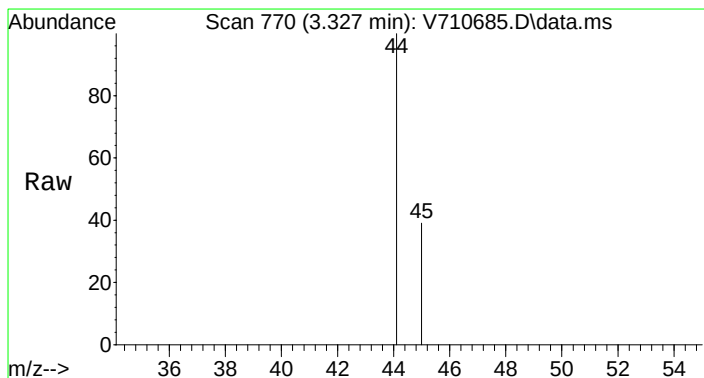
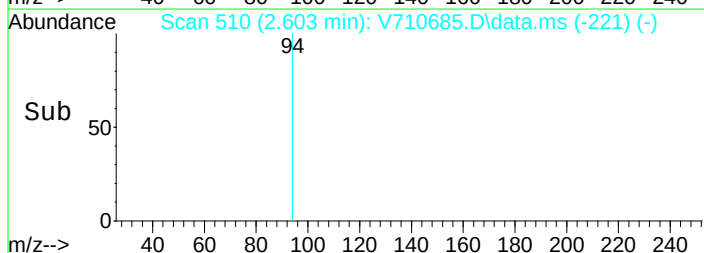
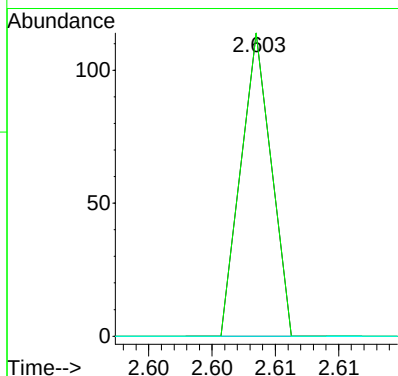
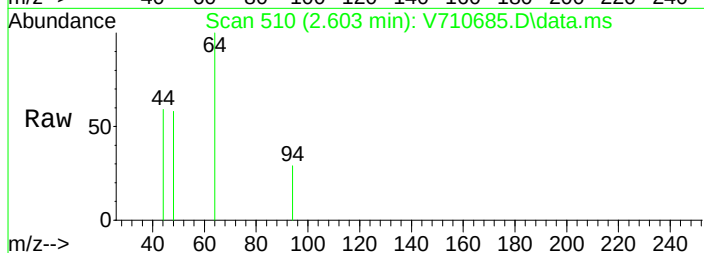
Quant Time: Sep 26 10:46:53 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





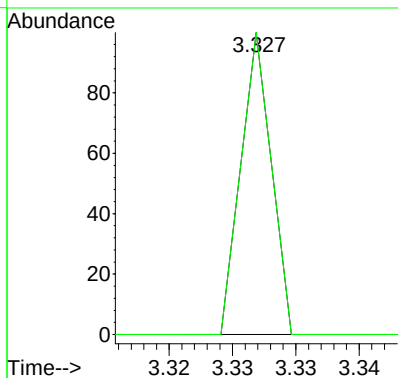
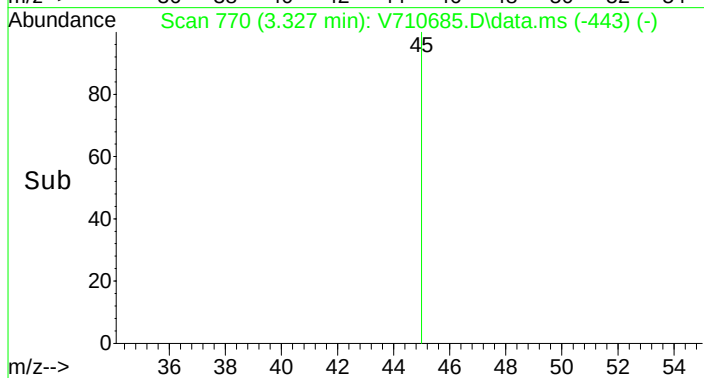
#5
Bromomethane
Concen: 3.45 ppb
RT: 2.603 min Scan# 510
Delta R.T. 0.303 min
Lab File: V710685.D
Acq: 24 Sep 2016 11:36 am

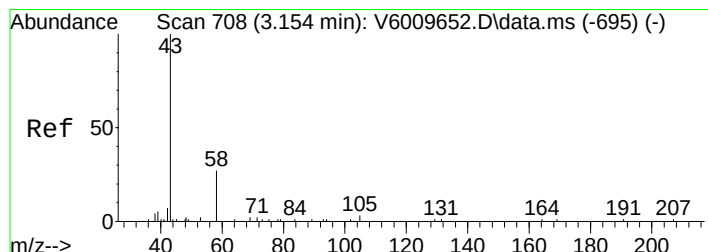
Tgt Ion	Ratio	Lower	Upper
94	100		
94	100.0	50.0	150.0
96	100.0	46.2	138.6



#8
Ethanol
Concen: 0.79 ppb
RT: 3.327 min Scan# 770
Delta R.T. 0.409 min
Lab File: V710685.D
Acq: 24 Sep 2016 11:36 am

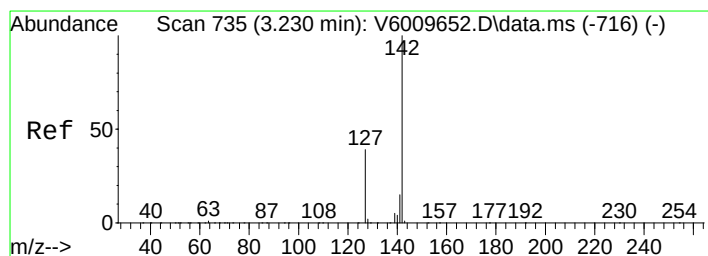
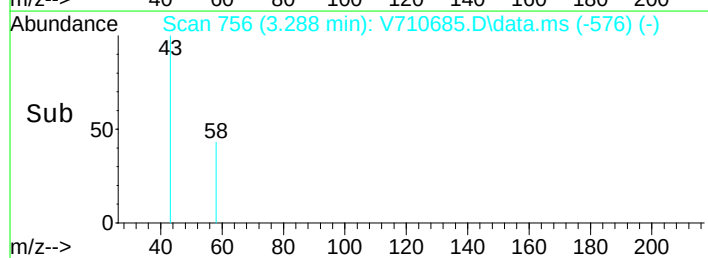
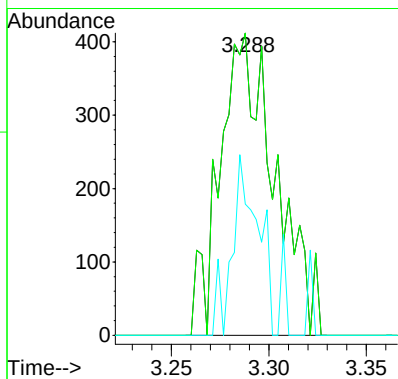
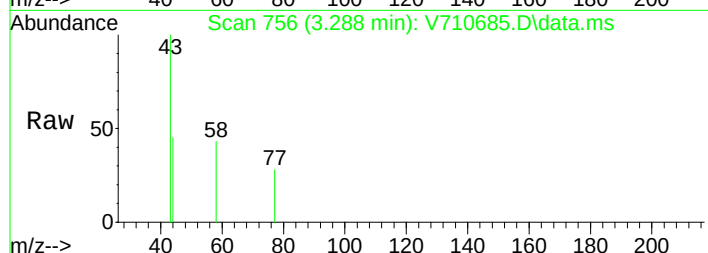
Tgt Ion	Ratio	Lower	Upper
45	100		
45	100.0	50.0	150.0





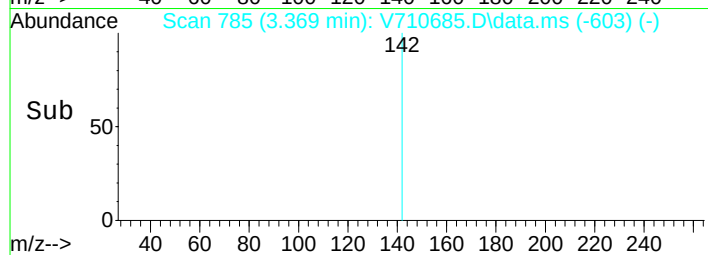
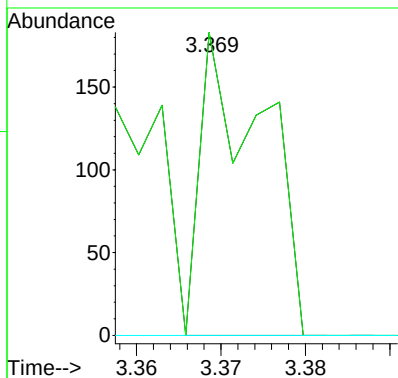
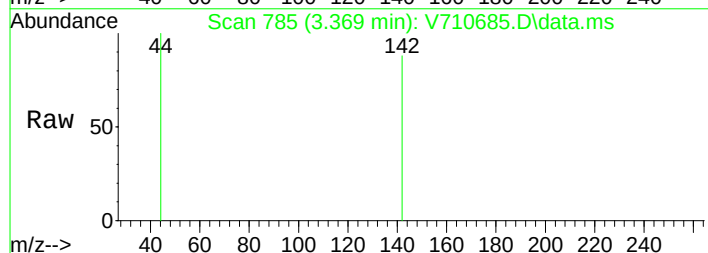
#12
Acetone
Concen: 0.55 ppb
RT: 3.288 min Scan# 756
Delta R.T. -0.000 min
Lab File: V710685.D
Acq: 24 Sep 2016 11:36 am

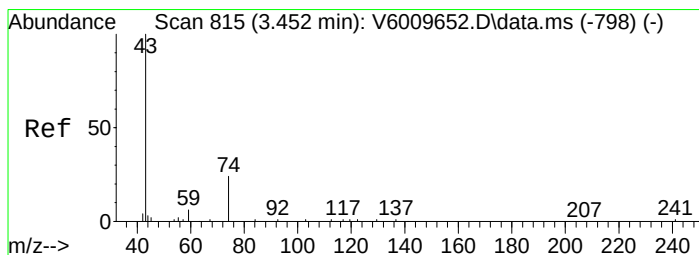
Tgt Ion:	43	Resp:	813
Ion Ratio	Lower	Upper	
43	100		
43	100.0	80.0	120.0
58	28.2	16.0	47.9



#13
Iodomethane
Concen: 4.00 ppb
RT: 3.369 min Scan# 785
Delta R.T. 0.006 min
Lab File: V710685.D
Acq: 24 Sep 2016 11:36 am

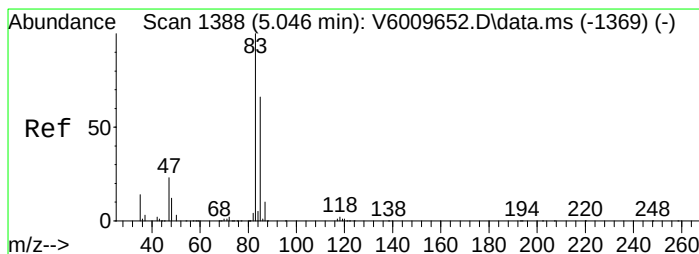
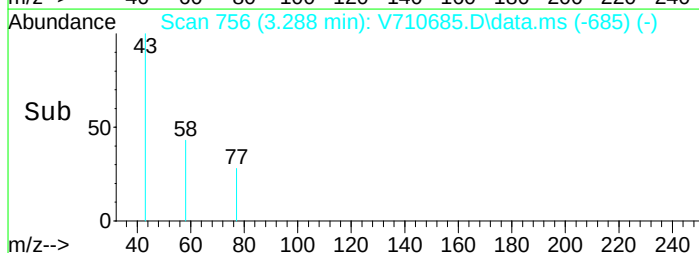
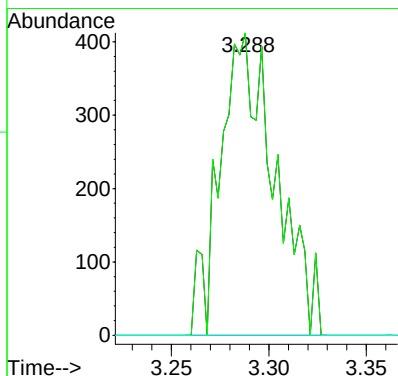
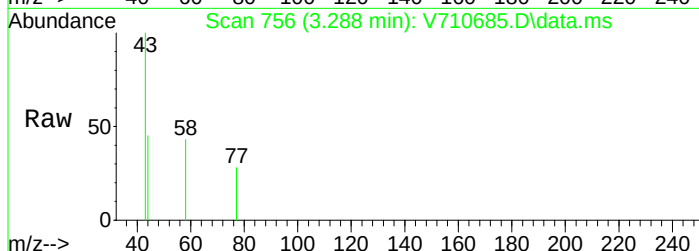
Tgt Ion:	142	Resp:	94
Ion Ratio	Lower	Upper	
142	100		
142	100.0	80.0	120.0
127	0.0	19.7	59.1#





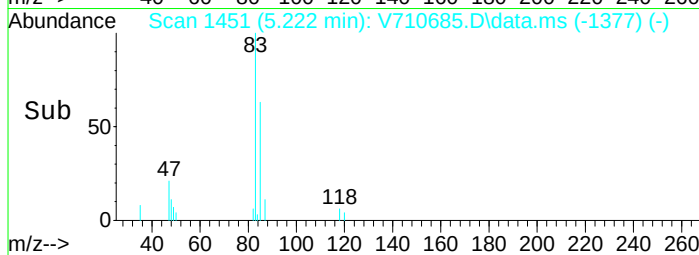
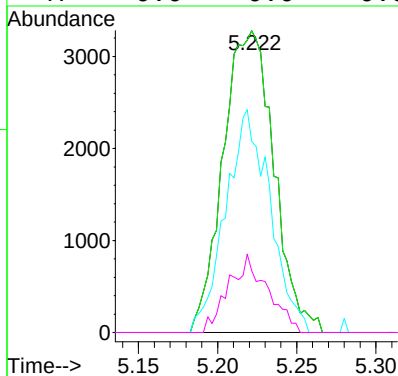
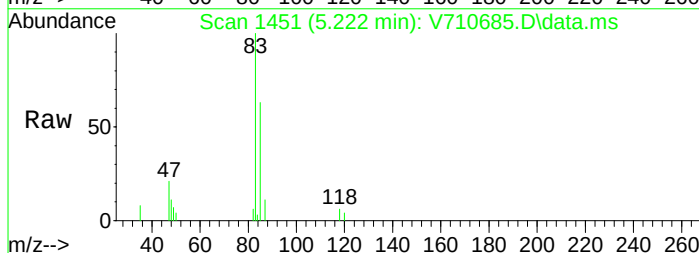
#14
Methyl Acetate
Concen: 0.26 ppb
RT: 3.288 min Scan# 756
Delta R.T. -0.303 min
Lab File: V710685.D
Acq: 24 Sep 2016 11:36 am

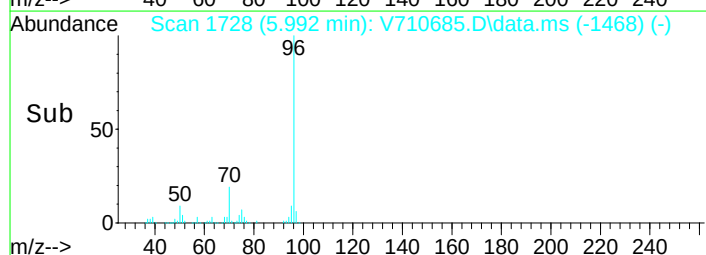
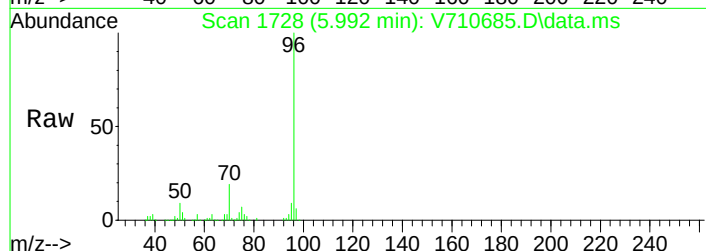
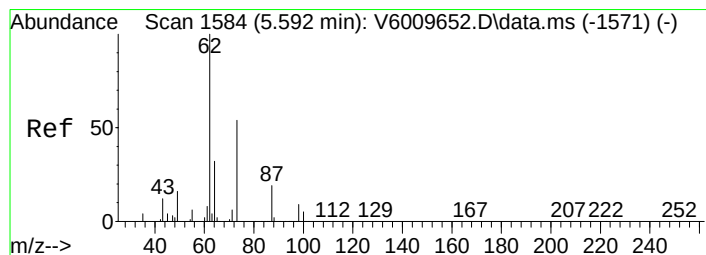
Tgt Ion:	43	Resp:	813
Ion Ratio	Lower	Upper	
43	100		
43	100.0	80.0	120.0
74	0.0	12.0	36.0#



#30
Chloroform
Concen: 0.65 ppb
RT: 5.222 min Scan# 1451
Delta R.T. 0.006 min
Lab File: V710685.D
Acq: 24 Sep 2016 11:36 am

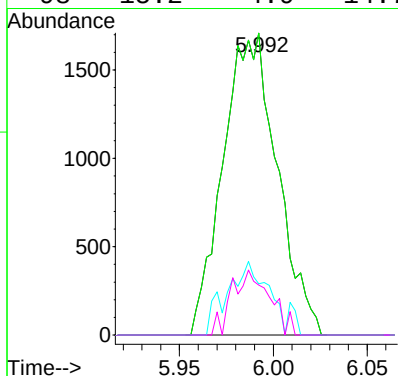
Tgt Ion:	83	Resp:	7308
Ion Ratio	Lower	Upper	
83	100		
83	100.0	65.0	135.0
85	0.0	42.1	87.3#
47	0.0	0.0	0.0





#37
 1,2-Dichloroethane
 Concen: 0.49 ppb
 RT: 5.992 min Scan# 1728
 Delta R.T. 0.223 min
 Lab File: V710685.D
 Acq: 24 Sep 2016 11:36 am

Tgt Ion:	62	Resp:	3418
Ion Ratio	Lower	Upper	
62	100		
62	100.0	80.0	120.0
64	15.5	16.3	48.8#
98	15.2	4.9	14.7#



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-53

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-26 File ID: V710686.D
 Sampled: 09/13/16 15:30 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 12:02
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.54	
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-53

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-26 File ID: V710686.D
 Sampled: 09/13/16 15:30 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 12:02
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.26	J
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.3	103	69 - 130	
Toluene-d8	10.0	9.73	97.3	81 - 117	
p-Bromofluorobenzene	10.0	10.0	100	79 - 122	

* Values outside of QC limits

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710686.D
 Acq On : 24 Sep 2016 12:02 pm
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-26
 Misc : QBV7092316B 8260 LOW A
 ALS Vial : 62 Sample Multiplier: 1

Quant Time: Sep 26 10:46:59 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

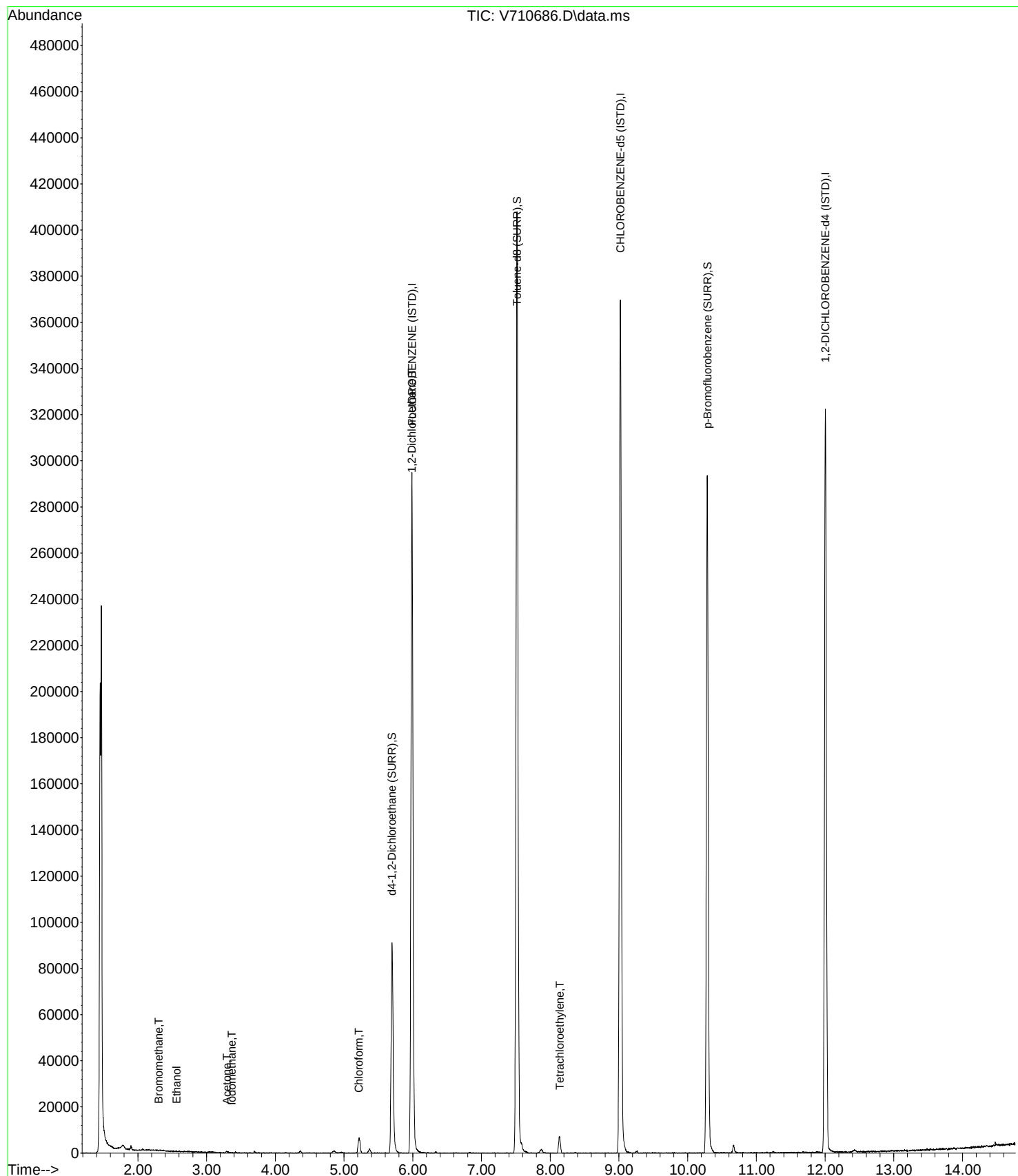
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

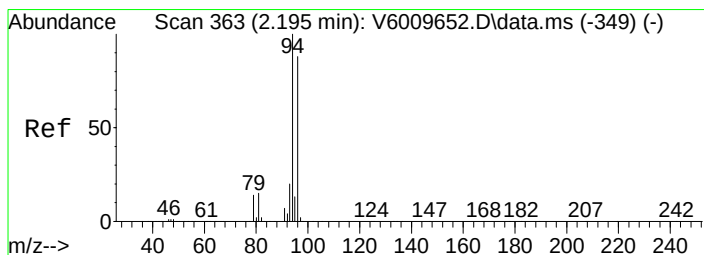
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	57277	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	262764	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	110026	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	62865	10.29	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.90%	
51) Toluene-d8 (SURR)	7.517	98	317875	9.73	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.30%	
70) p-Bromofluorobenzene (...)	10.288	95	124231	10.05	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.50%	
Target Compounds						
						Qvalue
5) Bromomethane	2.300	94	20	3.45	ppb	99
8) Ethanol	2.562	45	21	0.99	ppb	100
12) Acetone	3.293	43	472	0.32	ppb	# 88
13) Iodomethane	3.366	142	73	4.00	ppb	# 82
30) Chloroform	5.216	83	6042	0.54	ppb	# 99
37) 1,2-Dichloroethane	5.984	62	1630	0.23	ppb	# 85
56) Tetrachloroethylene	8.140	166	2761	0.26	ppb	# 86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : G:\MSV0A7 V7\DAILY DATA\V7092316\
Data File : V710686.D
Acq On : 24 Sep 2016 12:02 pm
InstName : MSV0A7
Operator : SS
Sample : 16I0590-26
Misc : QBV7092316B 8260 LOW A
ALS Vial : 62 Sample Multiplier: 1

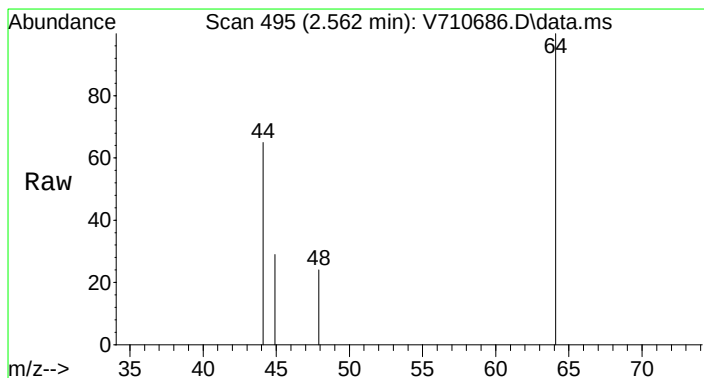
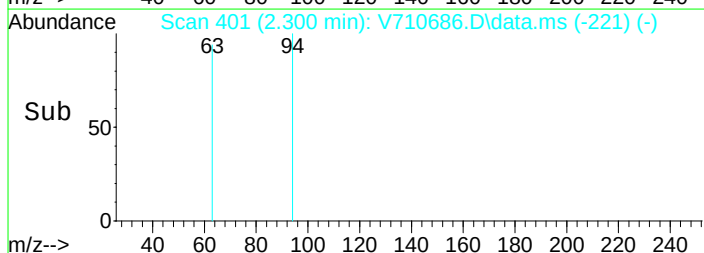
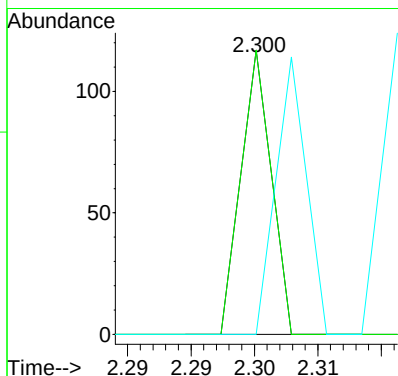
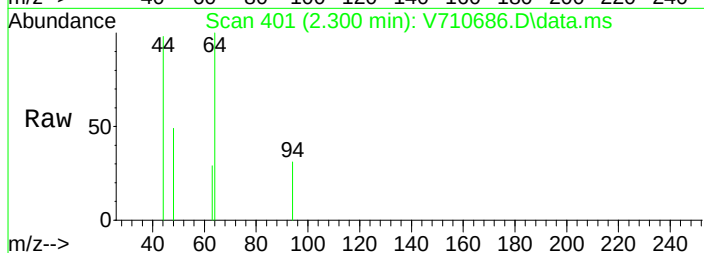
Quant Time: Sep 26 10:46:59 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





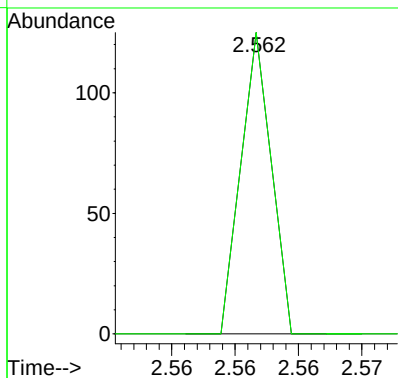
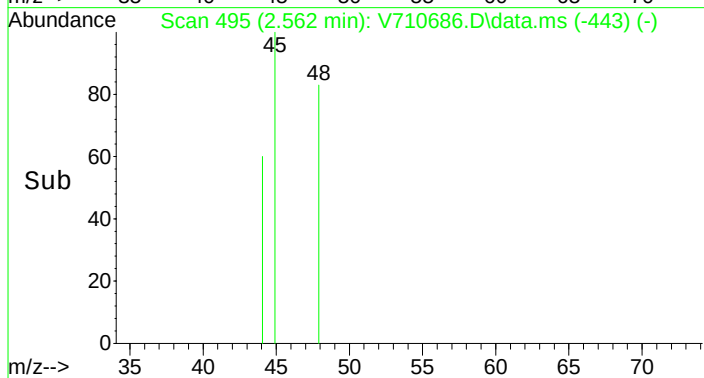
#5
Bromomethane
Concen: 3.45 ppb
RT: 2.300 min Scan# 401
Delta R.T. 0.000 min
Lab File: V710686.D
Acq: 24 Sep 2016 12:02 pm

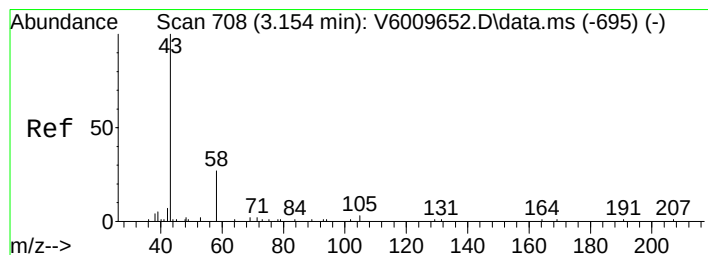
Tgt Ion: 94 Resp: 20
Ion Ratio Lower Upper
94 100
94 100.0 50.0 150.0
96 95.0 46.2 138.6



#8
Ethanol
Concen: 0.99 ppb
RT: 2.562 min Scan# 495
Delta R.T. -0.356 min
Lab File: V710686.D
Acq: 24 Sep 2016 12:02 pm

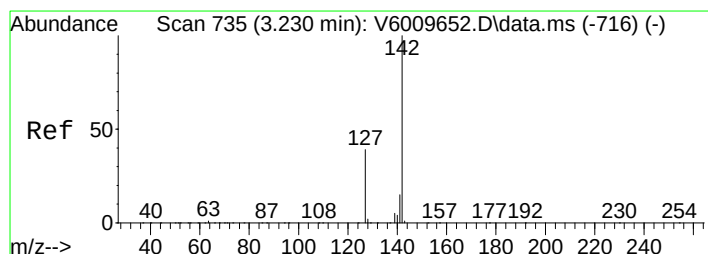
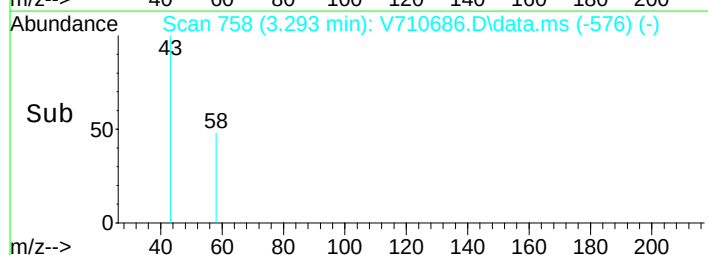
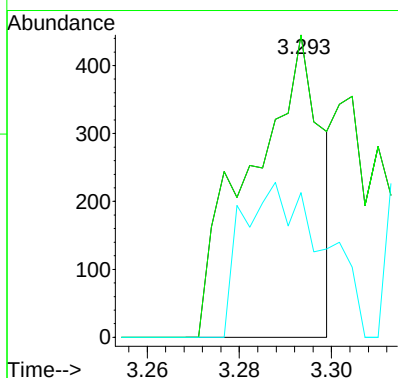
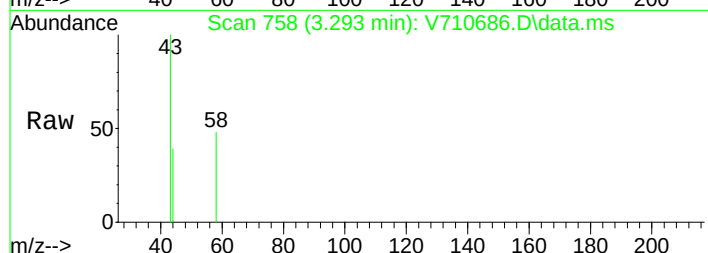
Tgt Ion: 45 Resp: 21
Ion Ratio Lower Upper
45 100
45 100.0 50.0 150.0





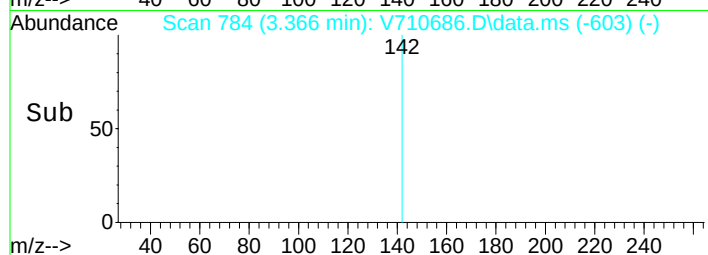
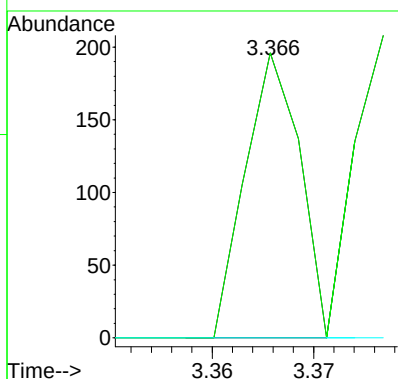
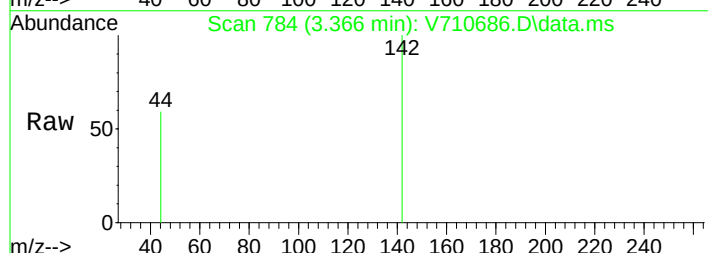
#12
Acetone
Concen: 0.32 ppb
RT: 3.293 min Scan# 758
Delta R.T. 0.005 min
Lab File: V710686.D
Acq: 24 Sep 2016 12:02 pm

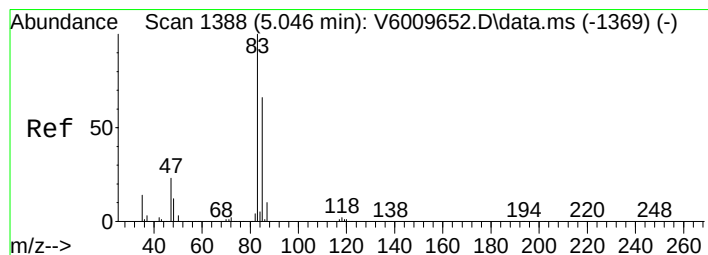
Tgt Ion: 43 Resp: 472
Ion Ratio Lower Upper
43 100
43 100.0 80.0 120.0
58 58.7 16.0 47.9#



#13
Iodomethane
Concen: 4.00 ppb
RT: 3.366 min Scan# 784
Delta R.T. 0.003 min
Lab File: V710686.D
Acq: 24 Sep 2016 12:02 pm

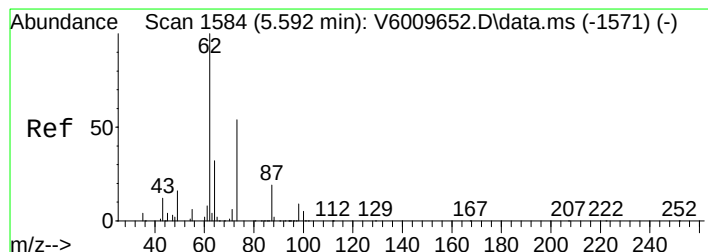
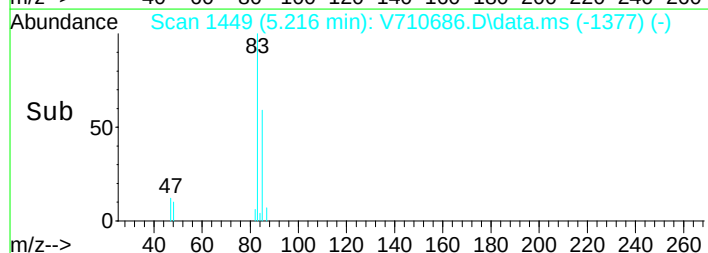
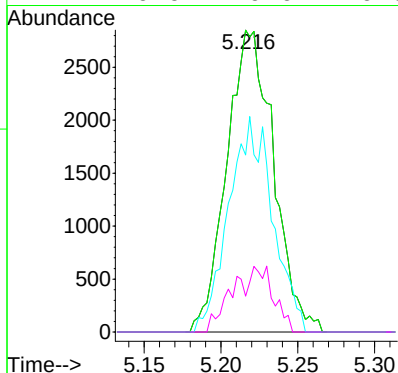
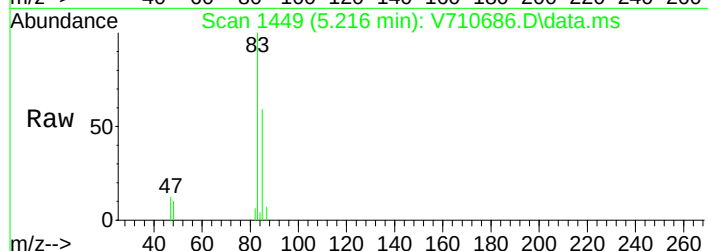
Tgt Ion: 142 Resp: 73
Ion Ratio Lower Upper
142 100
142 100.0 80.0 120.0
127 0.0 19.7 59.1#





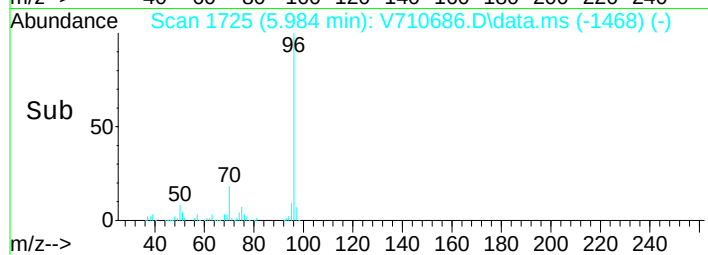
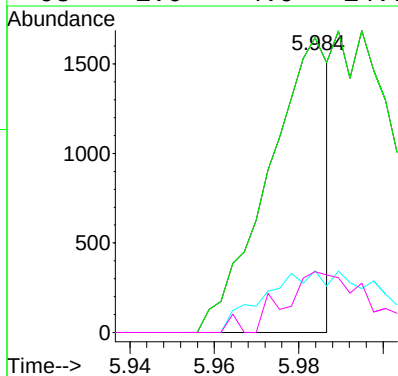
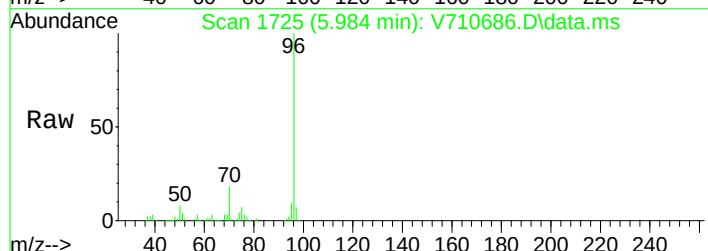
#30
Chloroform
Concen: 0.54 ppb
RT: 5.216 min Scan# 1449
Delta R.T. 0.000 min
Lab File: V710686.D
Acq: 24 Sep 2016 12:02 pm

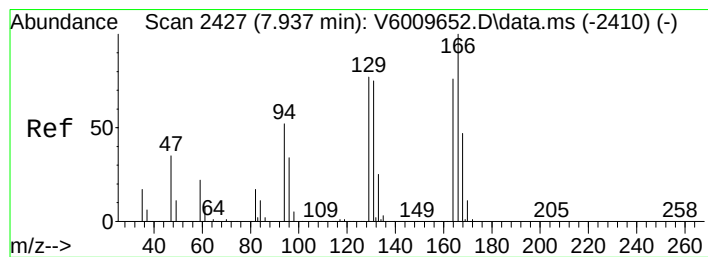
Tgt Ion:	83	Resp:	6042
Ion Ratio	Lower	Upper	
83	100		
83	100.0	65.0	135.0
85	66.5	42.1	87.3
47	10.9	0.0	0.0#



#37
1,2-Dichloroethane
Concen: 0.23 ppb
RT: 5.984 min Scan# 1725
Delta R.T. 0.214 min
Lab File: V710686.D
Acq: 24 Sep 2016 12:02 pm

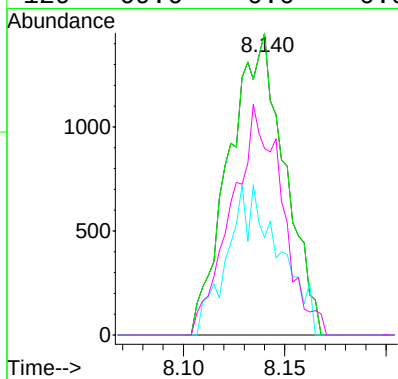
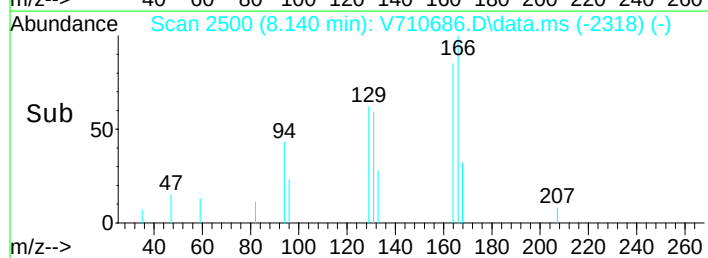
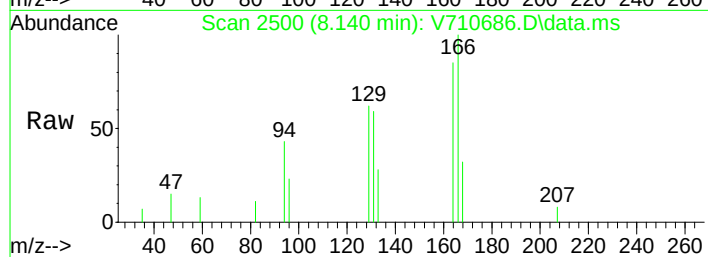
Tgt Ion:	62	Resp:	1630
Ion Ratio	Lower	Upper	
62	100		
62	100.0	80.0	120.0
64	0.0	16.3	48.8#
98	1.0	4.9	14.7#





#56
Tetrachloroethylene
Concen: 0.26 ppb
RT: 8.140 min Scan# 2500
Delta R.T. 0.006 min
Lab File: V710686.D
Acq: 24 Sep 2016 12:02 pm

Tgt Ion:	166	Resp:	2761
Ion Ratio	Lower	Upper	
166	100		
166	100.0	65.0	135.0
168	19.7	31.1	64.7#
129	69.6	0.0	0.0#



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-54

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-27 File ID: V710687.D
 Sampled: 09/13/16 14:40 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 12:28
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.53	
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-54

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-27 File ID: V710687.D
 Sampled: 09/13/16 14:40 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 12:28
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.3	103	69 - 130	
Toluene-d8	10.0	9.65	96.5	81 - 117	
p-Bromofluorobenzene	10.0	9.80	98.0	79 - 122	

* Values outside of QC limits

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710687.D
 Acq On : 24 Sep 2016 12:28 pm
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-27
 Misc : QBV7092316B 8260 LOW A
 ALS Vial : 63 Sample Multiplier: 1

Quant Time: Sep 26 10:47:04 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

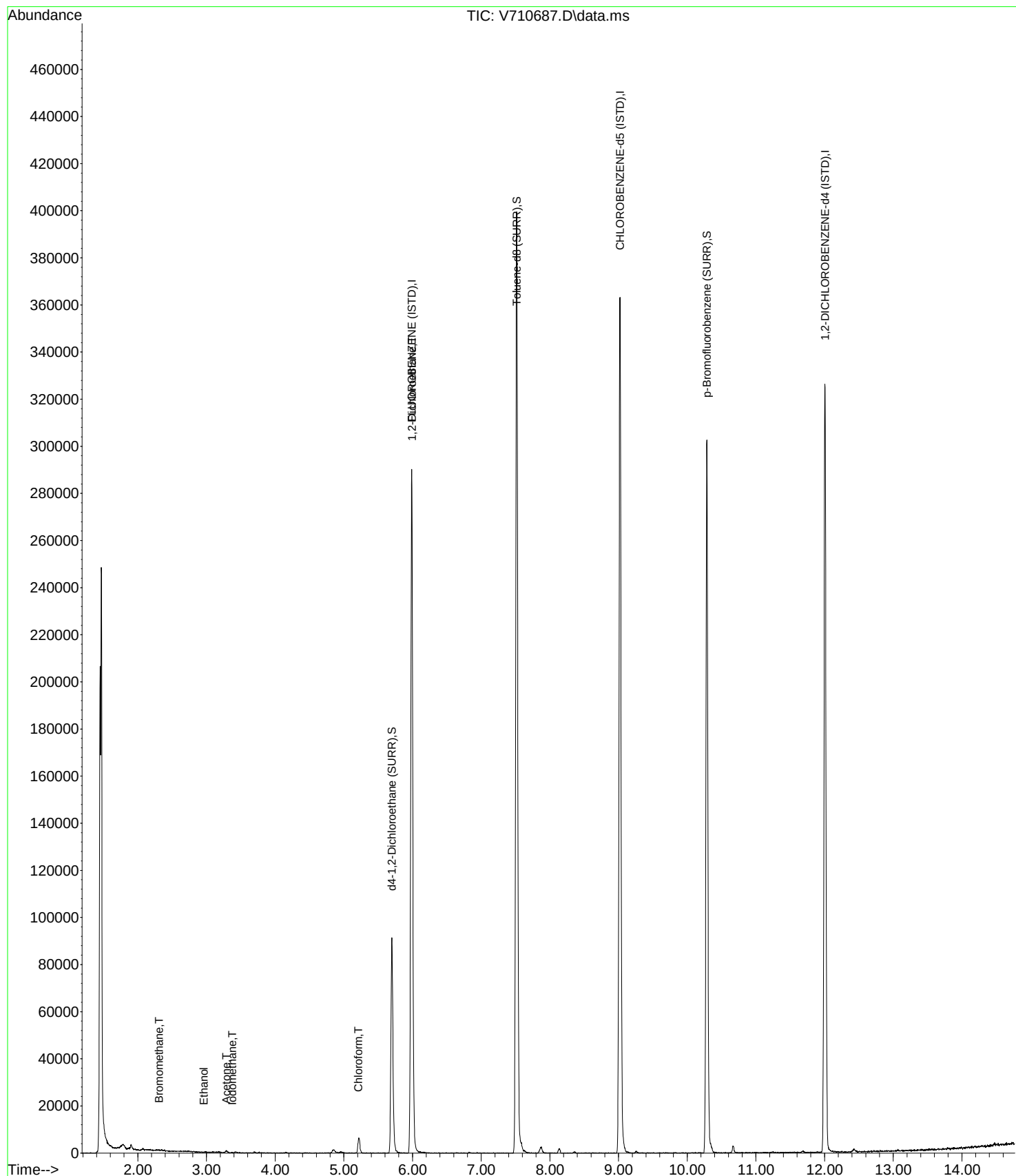
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

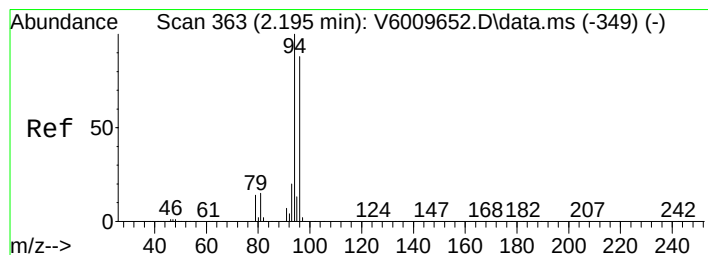
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	57612	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	262046	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.007	152	113303	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	63044	10.26	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.60%	
51) Toluene-d8 (SURR)	7.517	98	314267	9.65	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.50%	
70) p-Bromofluorobenzene (...)	10.285	95	124694	9.80	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.00%	
Target Compounds						
5) Bromomethane	2.308	94	20	3.45	ppb	# 54
8) Ethanol	2.962	45	18	0.84	ppb	100
12) Acetone	3.288	43	616	0.42	ppb	99
13) Iodomethane	3.374	142	61	3.99	ppb	# 82
30) Chloroform	5.213	83	5907	0.53	ppb	# 100
37) 1,2-Dichloroethane	5.992	62	3404	0.49	ppb	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : G:\MSV0A7 V7\DAILY DATA\V7092316\
Data File : V710687.D
Acq On : 24 Sep 2016 12:28 pm
InstName : MSV0A7
Operator : SS
Sample : 16I0590-27
Misc : QBV7092316B 8260 LOW A
ALS Vial : 63 Sample Multiplier: 1

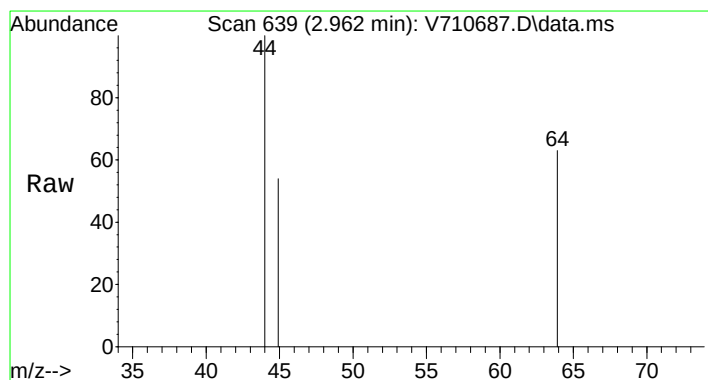
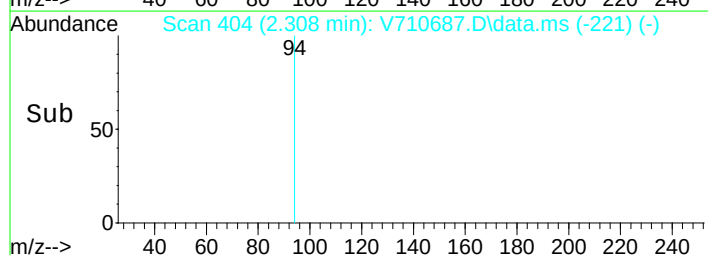
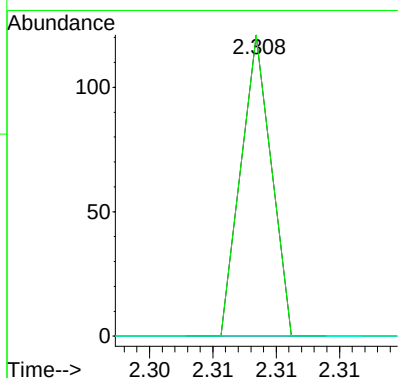
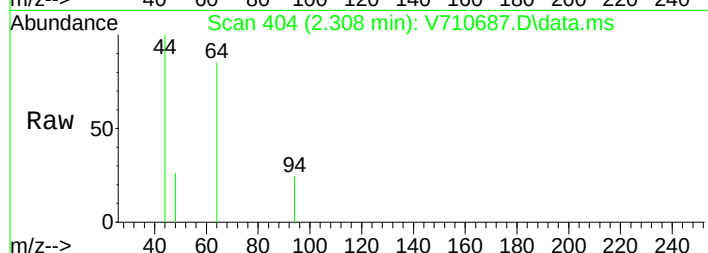
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Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





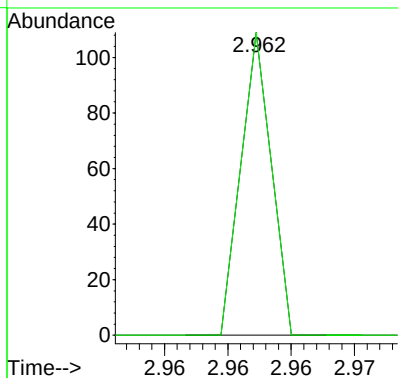
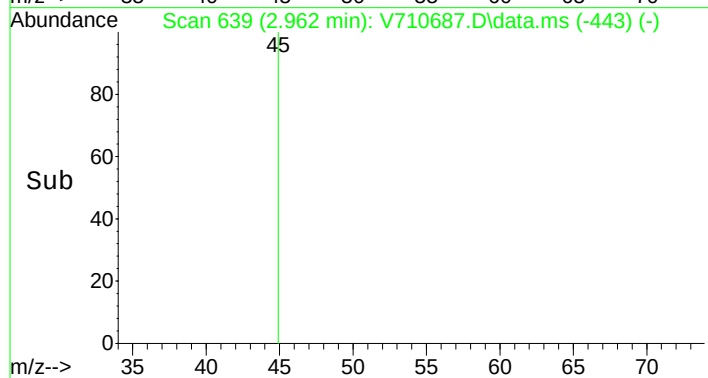
#5
Bromomethane
Concen: 3.45 ppb
RT: 2.308 min Scan# 404
Delta R.T. 0.008 min
Lab File: V710687.D
Acq: 24 Sep 2016 12:28 pm

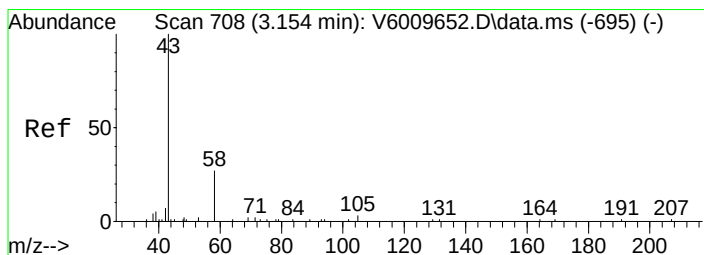
Tgt Ion	Ratio	Lower	Upper
94	100		
94	100.0	50.0	150.0
96	0.0	46.2	138.6#



#8
Ethanol
Concen: 0.84 ppb
RT: 2.962 min Scan# 639
Delta R.T. 0.044 min
Lab File: V710687.D
Acq: 24 Sep 2016 12:28 pm

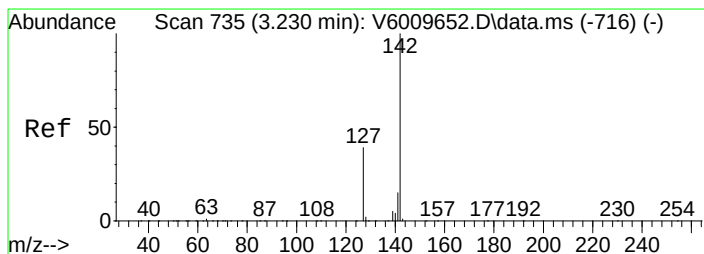
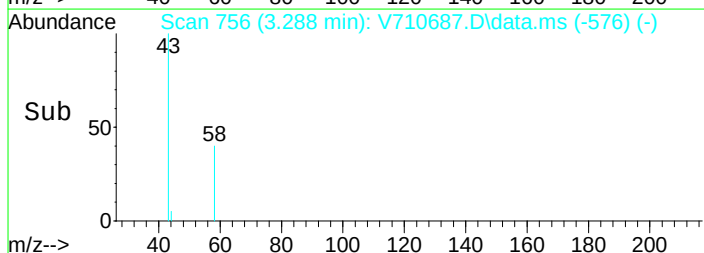
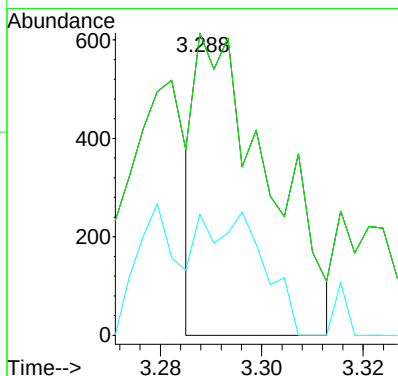
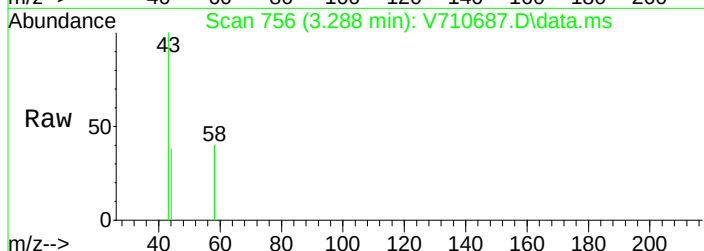
Tgt Ion	Ratio	Lower	Upper
45	100		
45	100.0	50.0	150.0





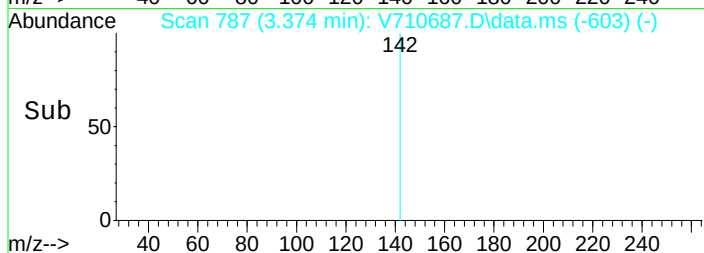
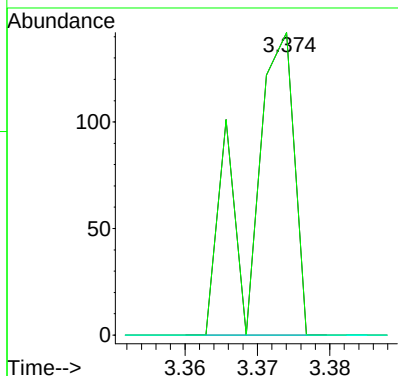
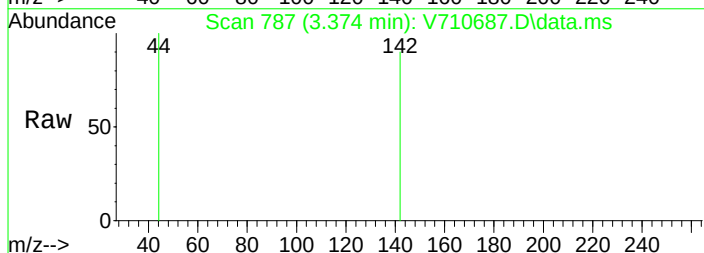
#12
Acetone
Concen: 0.42 ppb
RT: 3.288 min Scan# 756
Delta R.T. -0.000 min
Lab File: V710687.D
Acq: 24 Sep 2016 12:28 pm

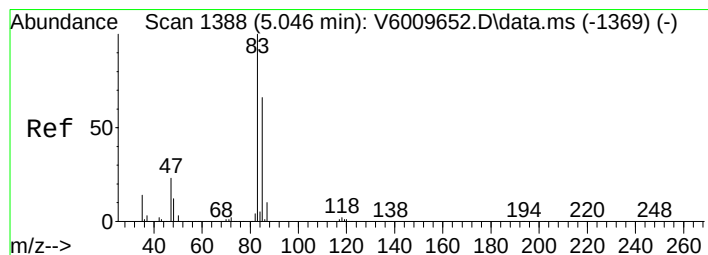
Tgt Ion: 43 Resp: 616
Ion Ratio Lower Upper
43 100
43 100.0 80.0 120.0
58 35.1 16.0 47.9



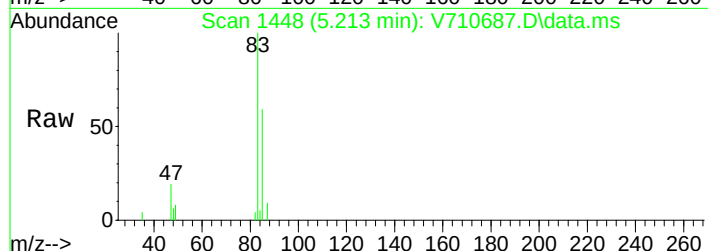
#13
Iodomethane
Concen: 3.99 ppb
RT: 3.374 min Scan# 787
Delta R.T. 0.011 min
Lab File: V710687.D
Acq: 24 Sep 2016 12:28 pm

Tgt Ion: 142 Resp: 61
Ion Ratio Lower Upper
142 100
142 100.0 80.0 120.0
127 0.0 19.7 59.1#

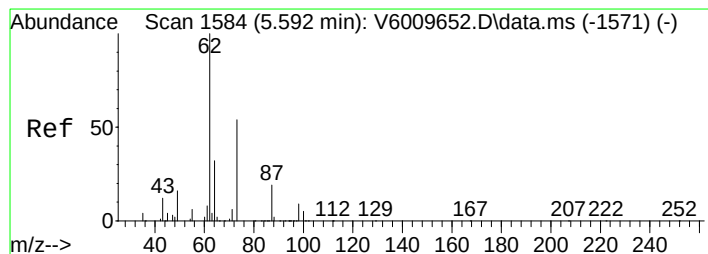
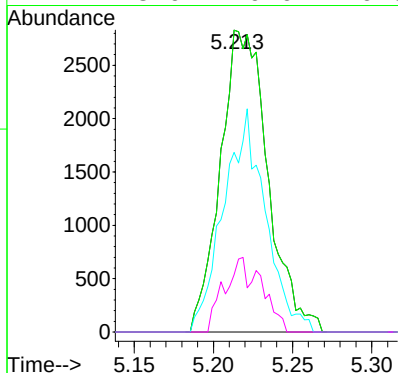
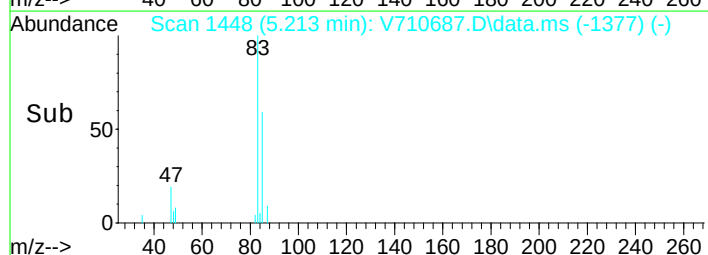




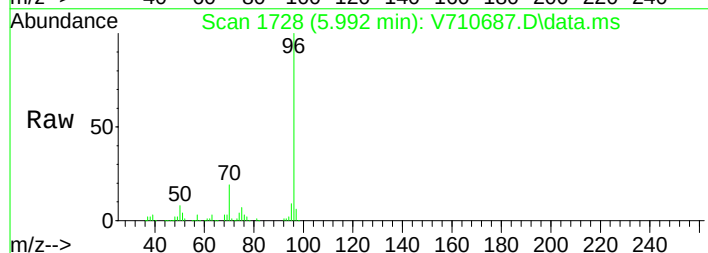
#30
Chloroform
Concen: 0.53 ppb
RT: 5.213 min Scan# 1448
Delta R.T. -0.003 min
Lab File: V710687.D
Acq: 24 Sep 2016 12:28 pm



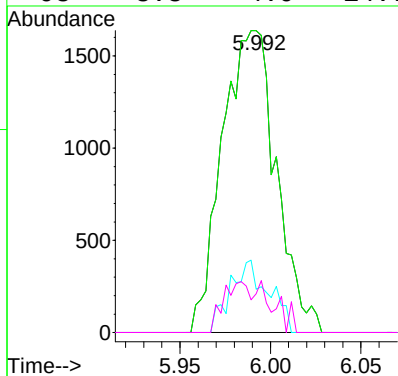
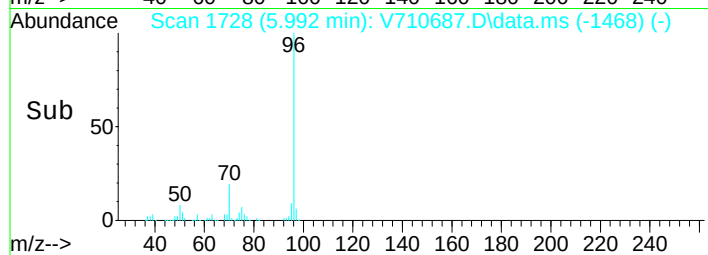
Tgt Ion:	83	Resp:	5907
Ion Ratio	Lower	Upper	
83	100		
83	100.0	65.0	135.0
85	64.7	42.1	87.3
47	13.0	0.0	0.0#



#37
1,2-Dichloroethane
Concen: 0.49 ppb
RT: 5.992 min Scan# 1728
Delta R.T. 0.223 min
Lab File: V710687.D
Acq: 24 Sep 2016 12:28 pm



Tgt Ion:	62	Resp:	3404
Ion Ratio	Lower	Upper	
62	100		
62	100.0	80.0	120.0
64	17.0	16.3	48.8
98	8.3	4.9	14.7



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-B1

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-28 File ID: V710688.D
 Sampled: 09/15/16 10:54 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 12:54
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-B1

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-28 File ID: V710688.D
 Sampled: 09/15/16 10:54 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 12:54
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.4	104	69 - 130	
Toluene-d8	10.0	9.64	96.4	81 - 117	
p-Bromofluorobenzene	10.0	9.98	99.8	79 - 122	

* Values outside of QC limits

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710688.D
 Acq On : 24 Sep 2016 12:54 pm
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-28
 Misc : QBV7092316B 8260 LOW A
 ALS Vial : 64 Sample Multiplier: 1

Quant Time: Sep 26 10:47:09 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

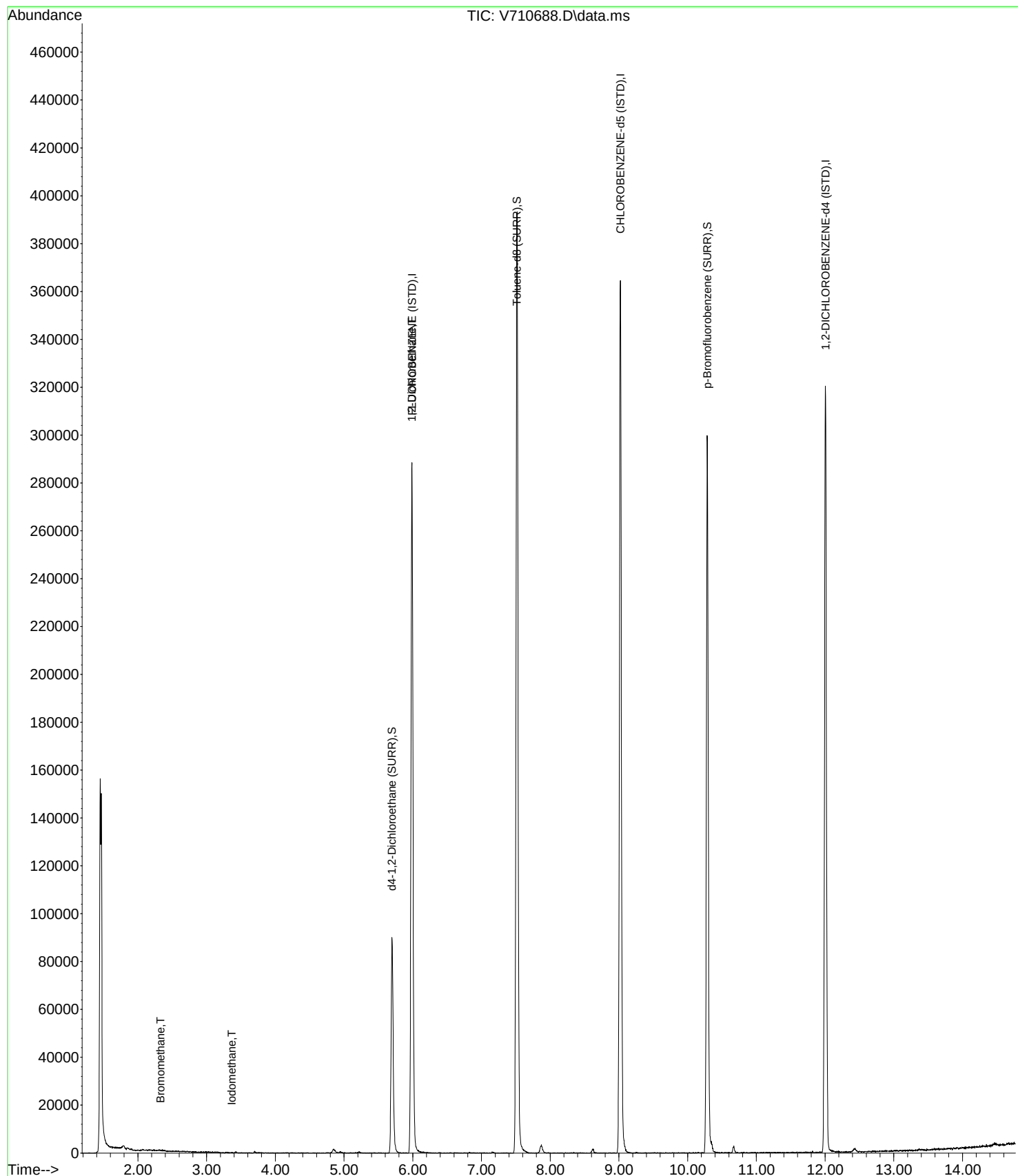
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

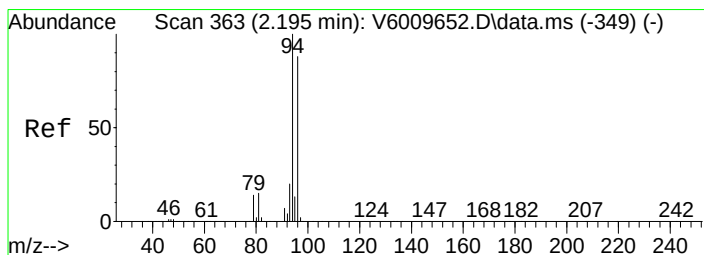
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	56906	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	261951	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.007	152	110835	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	63342	10.44	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	104.40%	
51) Toluene-d8 (SURR)	7.514	98	314051	9.64	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.40%	
70) p-Bromofluorobenzene (...)	10.285	95	124252	9.98	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.80%	
Target Compounds						
5) Bromomethane	2.328	94	18	3.45	ppb	# 54
13) Iodomethane	3.366	142	43	3.99	ppb	# 82
37) 1,2-Dichloroethane	5.987	62	3463	0.50	ppb	# 86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : G:\MSV0A7 V7\DAILY DATA\V7092316\
Data File : V710688.D
Acq On : 24 Sep 2016 12:54 pm
InstName : MSV0A7
Operator : SS
Sample : 16I0590-28
Misc : QBV7092316B 8260 LOW A
ALS Vial : 64 Sample Multiplier: 1

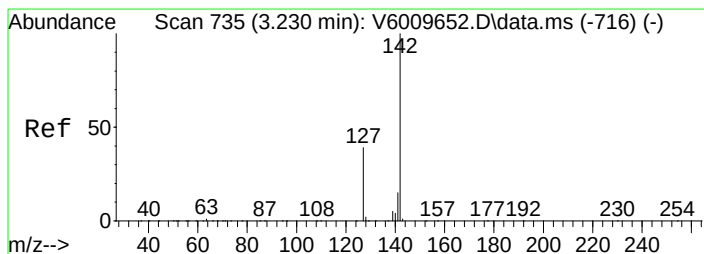
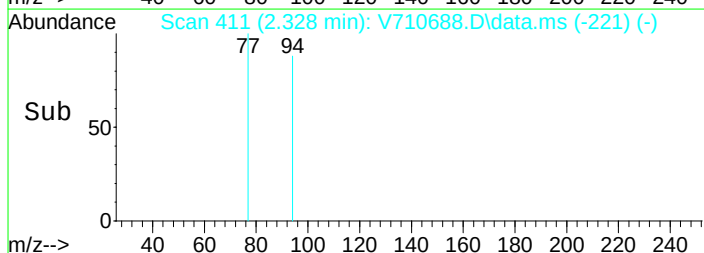
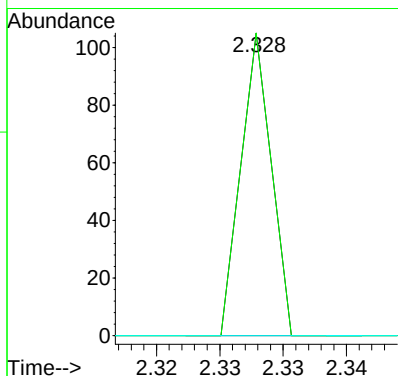
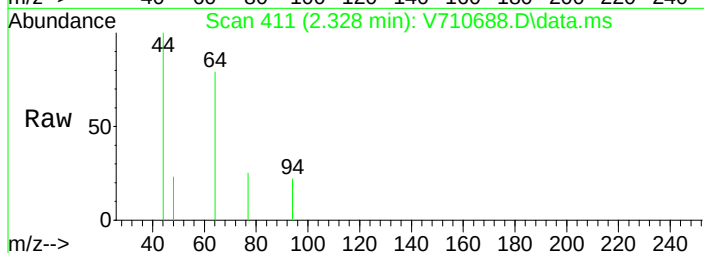
Quant Time: Sep 26 10:47:09 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





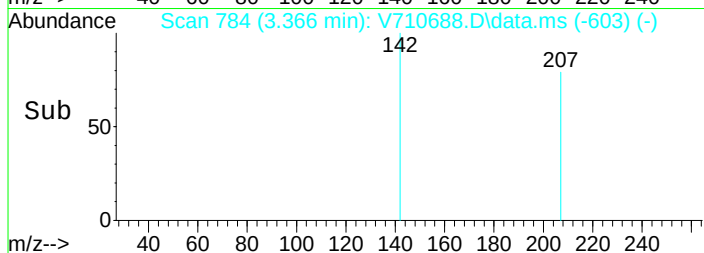
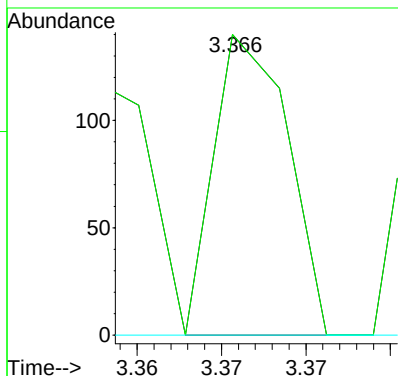
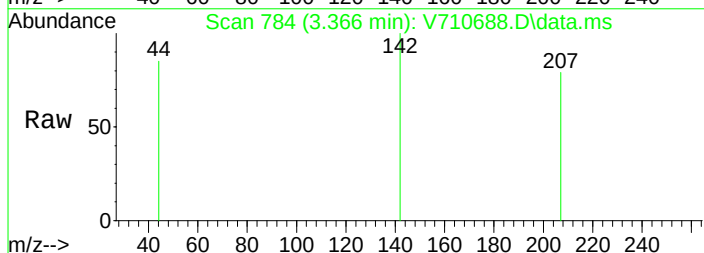
#5
 Bromomethane
 Concen: 3.45 ppb
 RT: 2.328 min Scan# 411
 Delta R.T. 0.028 min
 Lab File: V710688.D
 Acq: 24 Sep 2016 12:54 pm

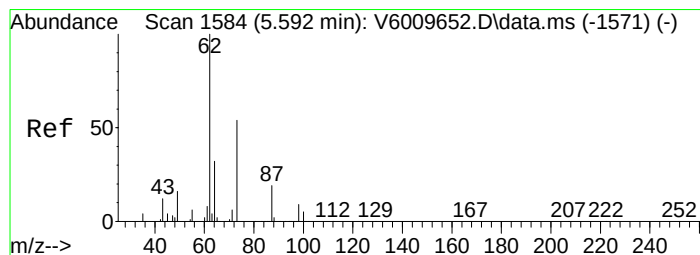
Tgt Ion:	94	Resp:	18
Ion Ratio	Lower	Upper	
94	100		
94	100.0	50.0	150.0
96	0.0	46.2	138.6#



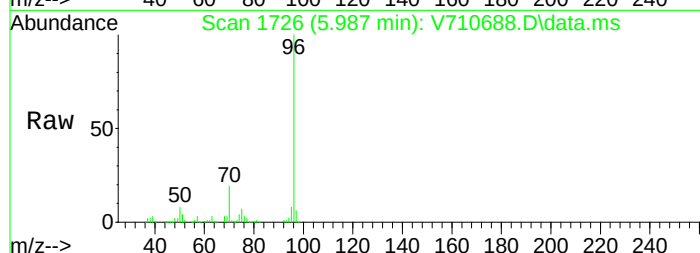
#13
 Iodomethane
 Concen: 3.99 ppb
 RT: 3.366 min Scan# 784
 Delta R.T. 0.003 min
 Lab File: V710688.D
 Acq: 24 Sep 2016 12:54 pm

Tgt Ion:	142	Resp:	43
Ion Ratio	Lower	Upper	
142	100		
142	100.0	80.0	120.0
127	0.0	19.7	59.1#

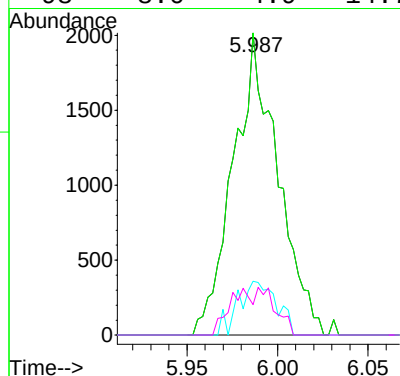
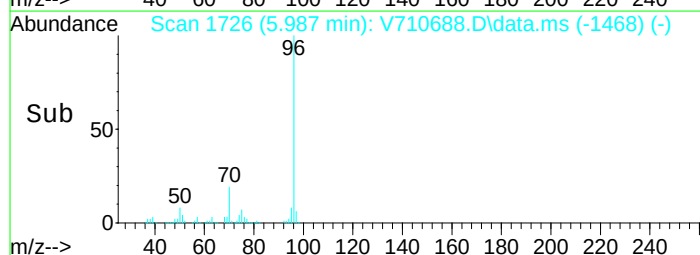




#37
 1,2-Dichloroethane
 Concen: 0.50 ppb
 RT: 5.987 min Scan# 1726
 Delta R.T. 0.217 min
 Lab File: V710688.D
 Acq: 24 Sep 2016 12:54 pm



Tgt Ion:	62	Resp:	3463
Ion Ratio	Lower	Upper	
62	100		
62	100.0	80.0	120.0
64	0.0	16.3	48.8#
98	8.0	4.9	14.7



FORM I

ORGANIC ANALYSIS DATA SHEET

MW-B4

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-29 File ID: V710689.D
 Sampled: 09/15/16 10:07 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 13:21
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

MW-B4

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-29 File ID: V710689.D
 Sampled: 09/15/16 10:07 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 13:21
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.2	102	69 - 130	
Toluene-d8	10.0	9.66	96.6	81 - 117	
p-Bromofluorobenzene	10.0	9.95	99.5	79 - 122	

* Values outside of QC limits

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710689.D
 Acq On : 24 Sep 2016 1:21 pm
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-29
 Misc : QBV7092316B 8260 LOW A
 ALS Vial : 65 Sample Multiplier: 1

Quant Time: Sep 26 10:47:14 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

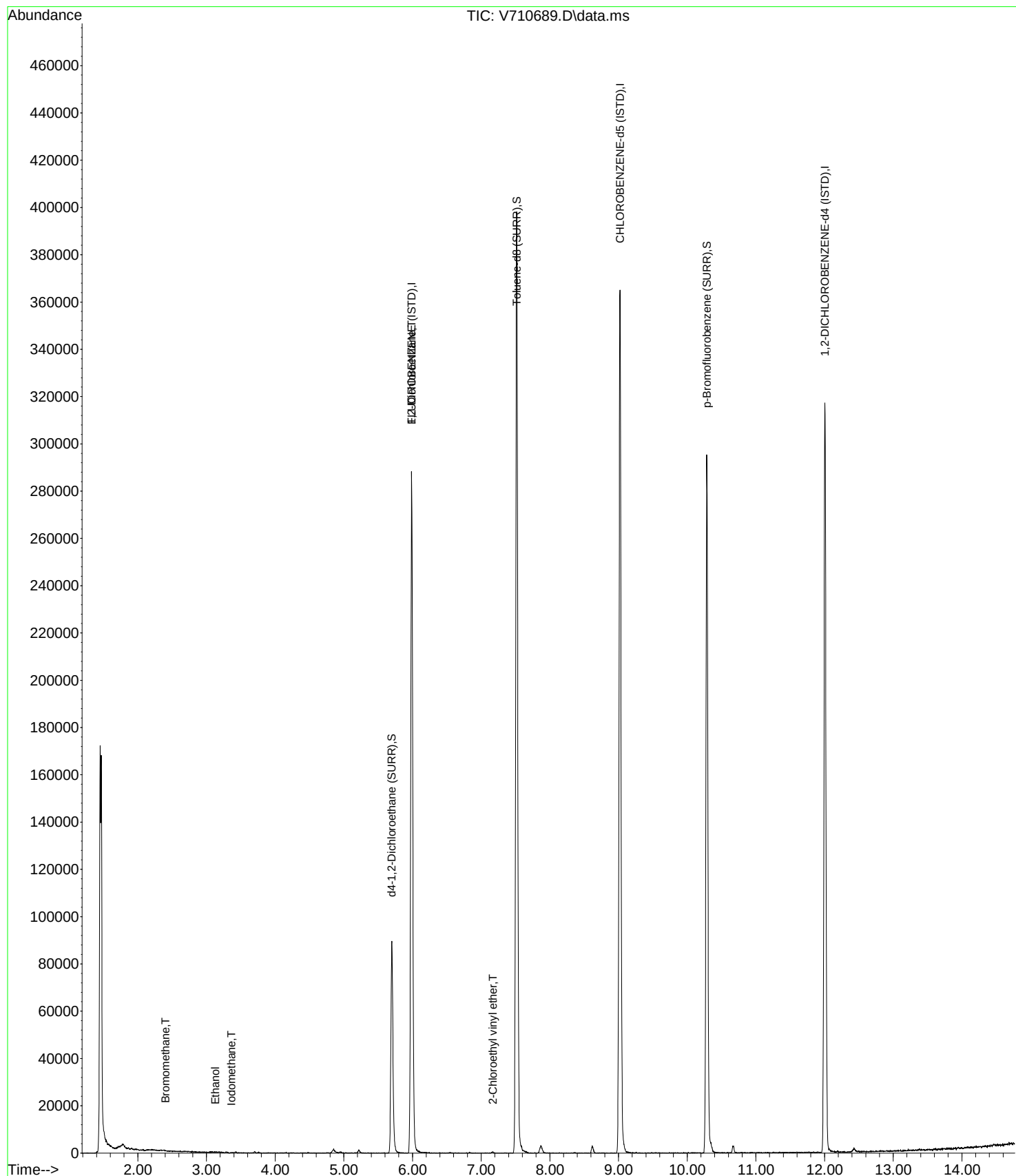
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

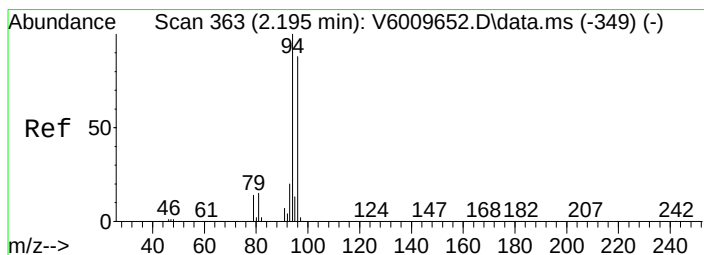
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.987	70	57042	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	260206	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	110041	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	62259	10.23	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.30%	
51) Toluene-d8 (SURR)	7.517	98	312337	9.66	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.60%	
70) p-Bromofluorobenzene (...)	10.285	95	122929	9.95	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.50%	
Target Compounds						
5) Bromomethane	2.403	94	18	3.45	ppb	Qvalue 85
8) Ethanol	3.129	45	18	0.85	ppb	100
13) Iodomethane	3.363	142	20	3.98	ppb	# 82
37) 1,2-Dichloroethane	5.987	62	3357	0.48	ppb	# 89
48) 2-Chloroethyl vinyl ether	7.169	63	622	0.23	ppb	# 100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : G:\MSV0A7 V7\DAILY DATA\V7092316\
Data File : V710689.D
Acq On : 24 Sep 2016 1:21 pm
InstName : MSV0A7
Operator : SS
Sample : 16I0590-29
Misc : QBV7092316B 8260 LOW A
ALS Vial : 65 Sample Multiplier: 1

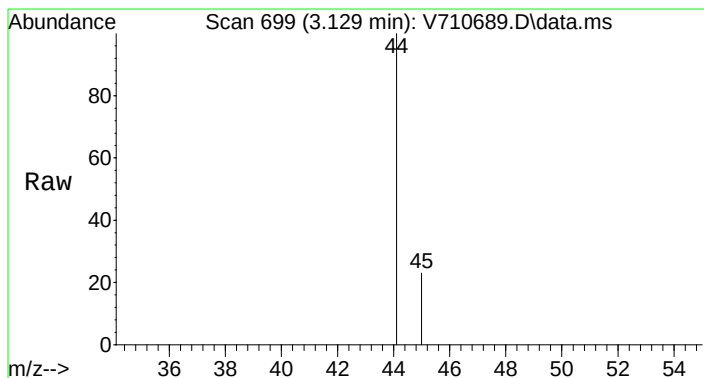
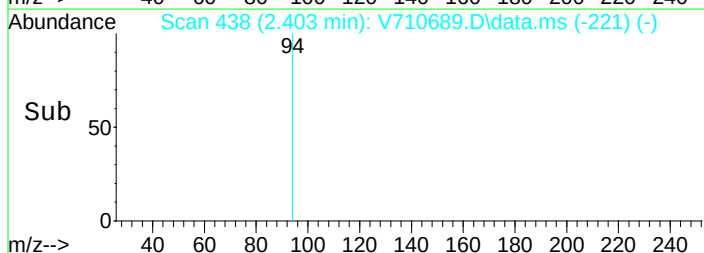
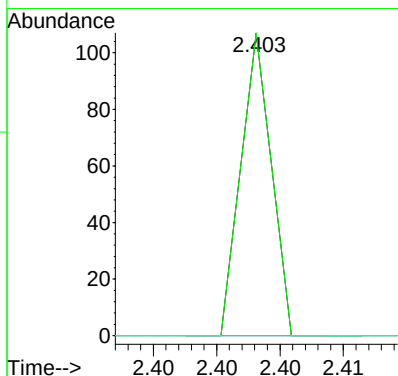
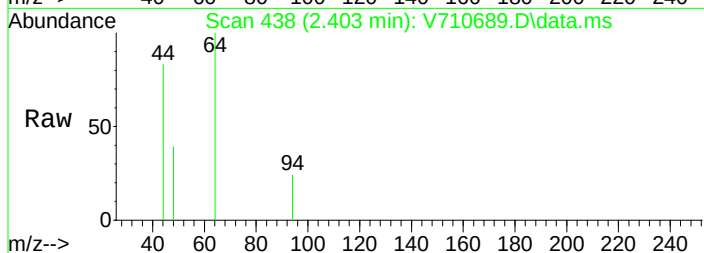
Quant Time: Sep 26 10:47:14 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





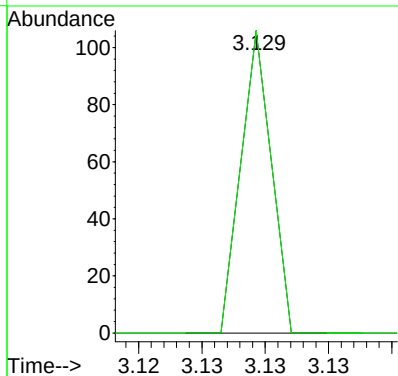
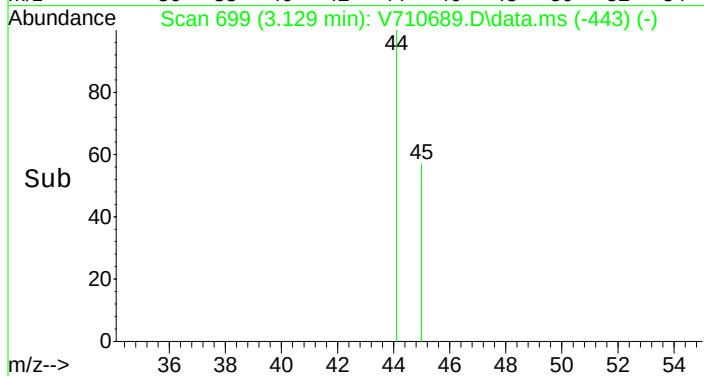
#5
Bromomethane
Concen: 3.45 ppb
RT: 2.403 min Scan# 438
Delta R.T. 0.103 min
Lab File: V710689.D
Acq: 24 Sep 2016 1:21 pm

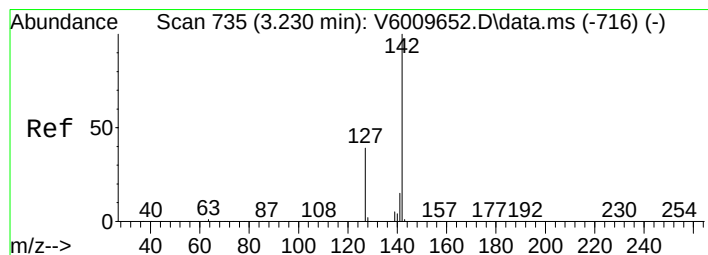
Tgt Ion	Ratio	Lower	Upper
94	100		
94	100.0	50.0	150.0
96	122.2	46.2	138.6



#8
Ethanol
Concen: 0.85 ppb
RT: 3.129 min Scan# 699
Delta R.T. 0.211 min
Lab File: V710689.D
Acq: 24 Sep 2016 1:21 pm

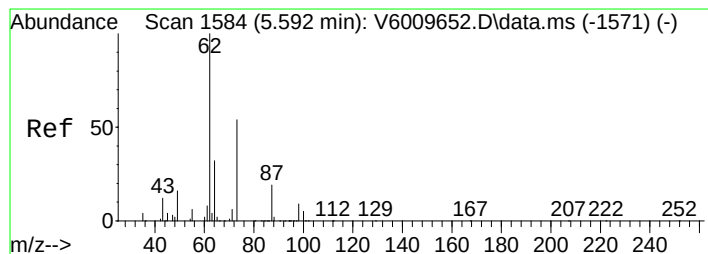
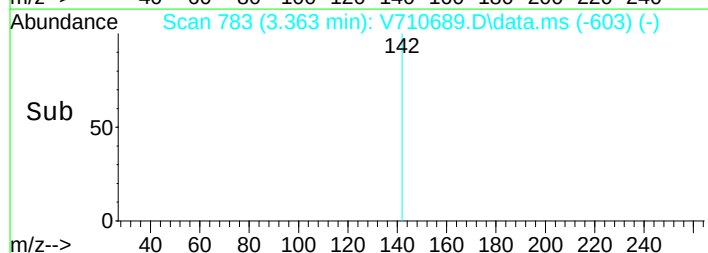
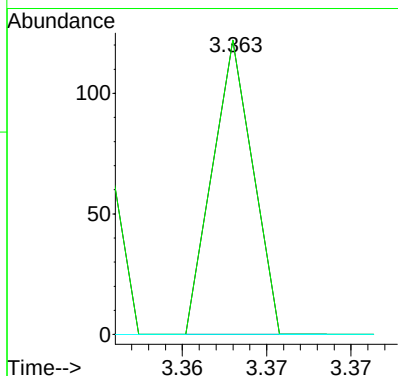
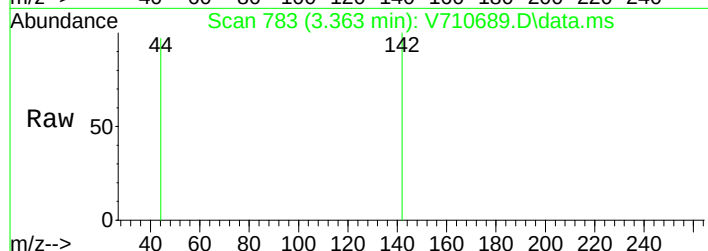
Tgt Ion	Ratio	Lower	Upper
45	100		
45	100.0	50.0	150.0





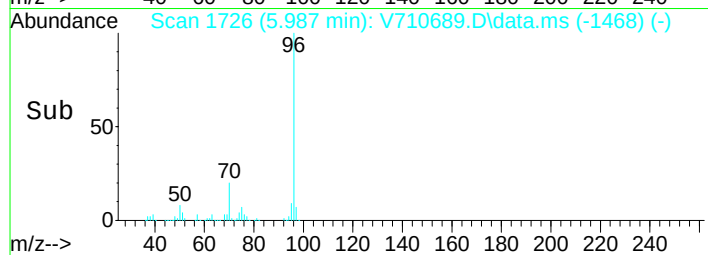
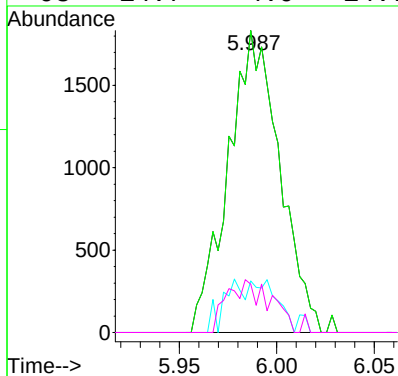
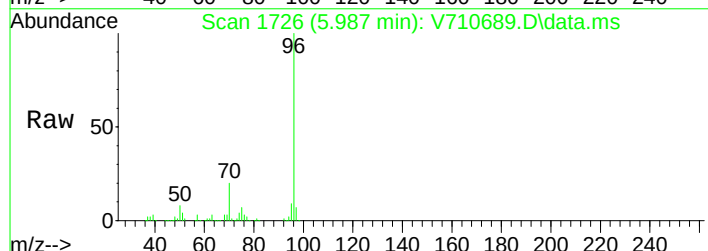
#13
Iodomethane
Concen: 3.98 ppb
RT: 3.363 min Scan# 783
Delta R.T. 0.000 min
Lab File: V710689.D
Acq: 24 Sep 2016 1:21 pm

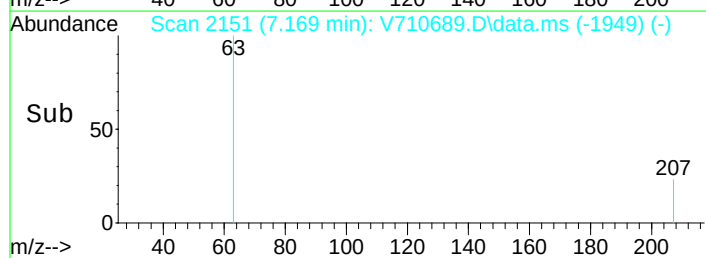
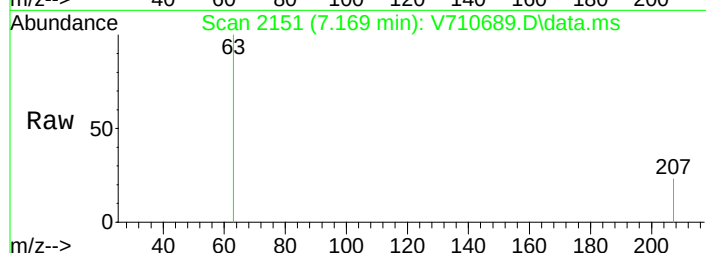
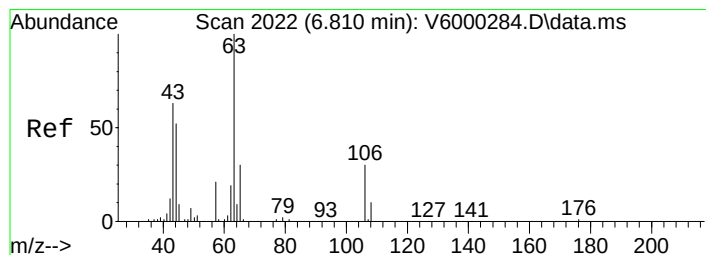
Tgt Ion	Ratio	Lower	Upper
142	100		
142	100.0	80.0	120.0
127	0.0	19.7	59.1#



#37
1,2-Dichloroethane
Concen: 0.48 ppb
RT: 5.987 min Scan# 1726
Delta R.T. 0.217 min
Lab File: V710689.D
Acq: 24 Sep 2016 1:21 pm

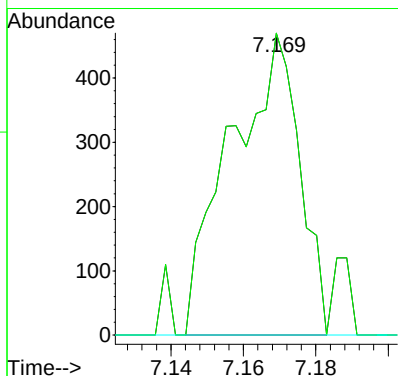
Tgt Ion	Ratio	Lower	Upper
62	100		
62	100.0	80.0	120.0
64	7.2	16.3	48.8#
98	14.7	4.9	14.7#





#48
 2-Chloroethyl vinyl ether
 Concen: 0.23 ppb
 RT: 7.169 min Scan# 2151
 Delta R.T. 0.061 min
 Lab File: V710689.D
 Acq: 24 Sep 2016 1:21 pm

Tgt Ion	Ratio	Lower	Upper
63	100		
63	100.0	65.0	135.0
106	0.0	0.0	0.0



FORM I

ORGANIC ANALYSIS DATA SHEET

Trip Blank-SA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-30 File ID: V710690.D
 Sampled: 09/12/16 15:00 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 13:46
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	3.6	
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

Trip Blank-SA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-30 File ID: V710690.D
 Sampled: 09/12/16 15:00 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 13:46
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.3	103	69 - 130	
Toluene-d8	10.0	9.64	96.4	81 - 117	
p-Bromofluorobenzene	10.0	9.95	99.5	79 - 122	

* Values outside of QC limits

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710690.D
 Acq On : 24 Sep 2016 1:46 pm
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-30
 Misc : QBV7092316B 8260 LOW A
 ALS Vial : 66 Sample Multiplier: 1

Quant Time: Sep 26 10:47:19 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

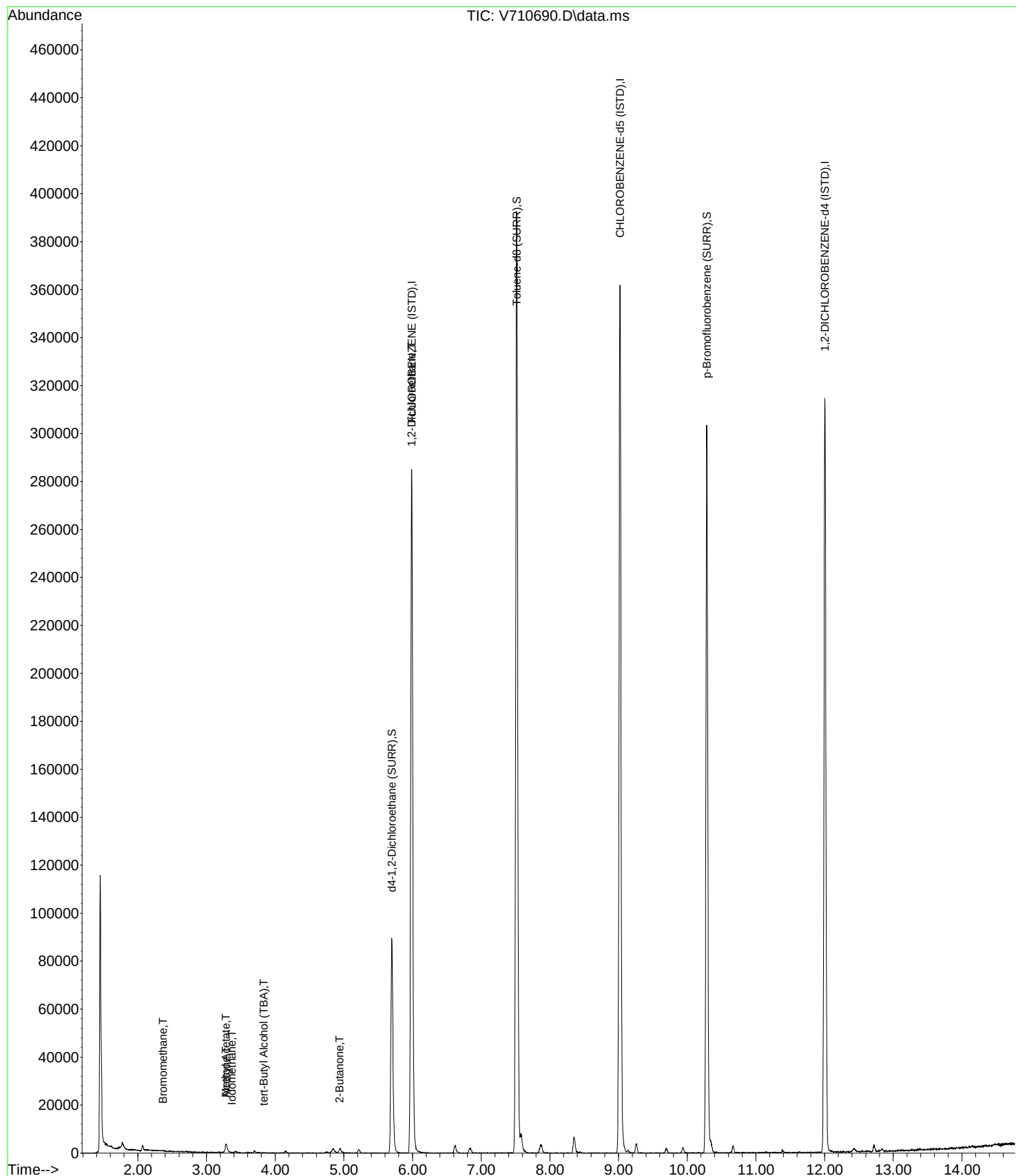
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

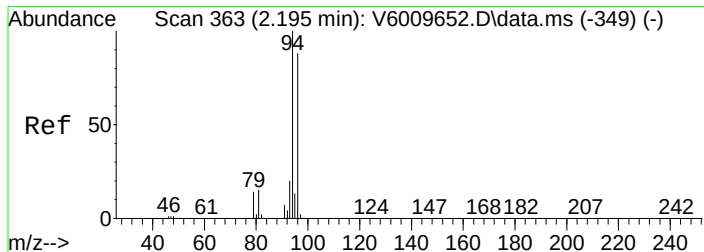
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	57513	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	260372	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	110484	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	63402	10.34	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.40%	
51) Toluene-d8 (SURR)	7.517	98	312063	9.64	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.40%	
70) p-Bromofluorobenzene (...)	10.285	95	123532	9.95	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.50%	
Target Compounds						
5) Bromomethane	2.364	94	17	3.45	ppb	# 54
12) Acetone	3.282	43	5279	3.59	ppb	99
13) Iodomethane	3.368	142	18	3.98	ppb	# 82
14) Methyl Acetate	3.282	43	5279	1.72	ppb	# 91
16) tert-Butyl Alcohol (TBA)	3.830	59	181	0.41	ppb	# 1
26) 2-Butanone	4.935	72	266	0.38	ppb	# 1
37) 1,2-Dichloroethane	5.984	62	3422	0.49	ppb	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
Data File : V710690.D
Acq On : 24 Sep 2016 1:46 pm
InstName : MSVOA7
Operator : SS
Sample : 16I0590-30
Misc : QBV7092316B 8260 LOW A
ALS Vial : 66 Sample Multiplier: 1

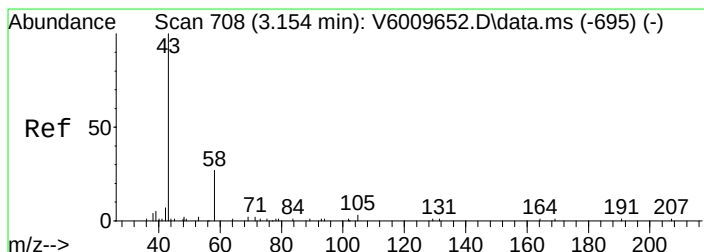
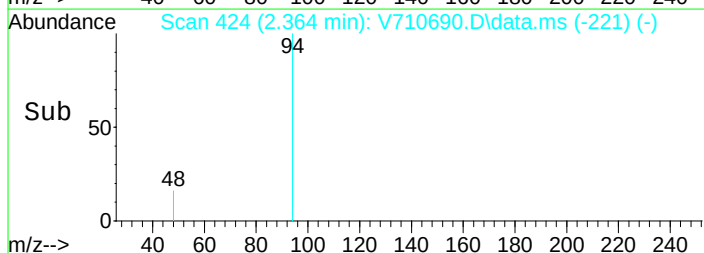
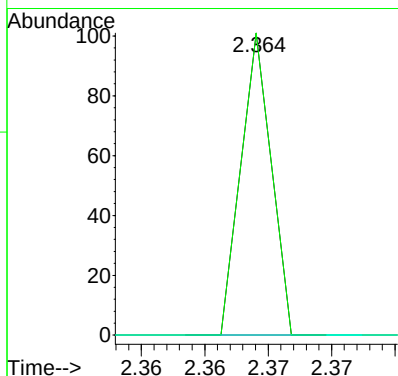
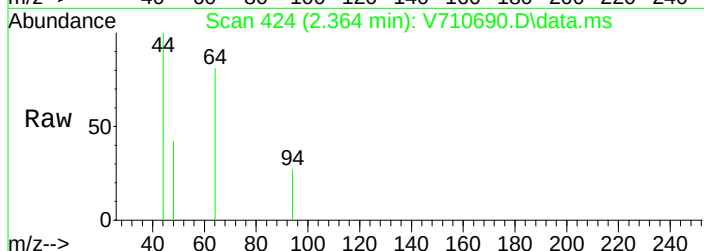
Quant Time: Sep 26 10:47:19 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





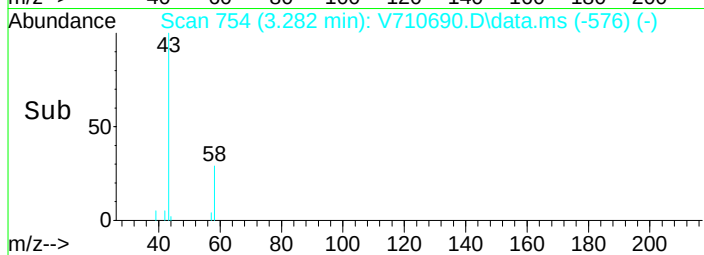
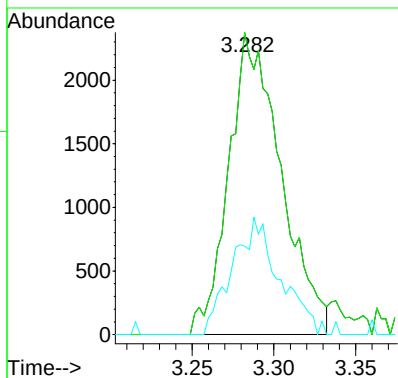
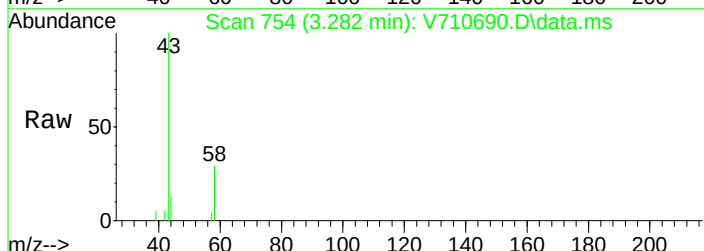
#5
Bromomethane
Concen: 3.45 ppb
RT: 2.364 min Scan# 424
Delta R.T. 0.064 min
Lab File: V710690.D
Acq: 24 Sep 2016 1:46 pm

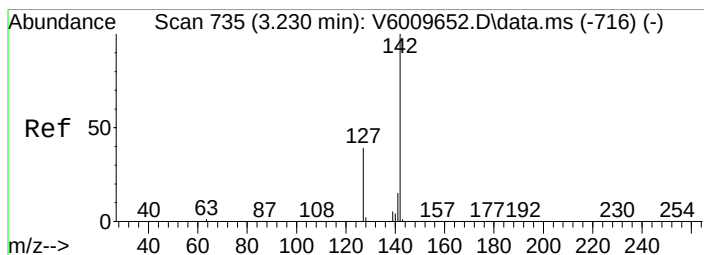
Tgt Ion	Ratio	Lower	Upper
94	100		
94	100.0	50.0	150.0
96	0.0	46.2	138.6#



#12
Acetone
Concen: 3.59 ppb
RT: 3.282 min Scan# 754
Delta R.T. -0.006 min
Lab File: V710690.D
Acq: 24 Sep 2016 1:46 pm

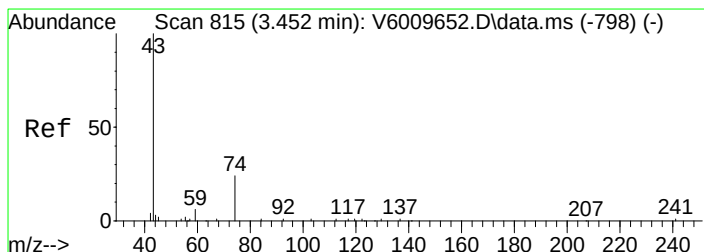
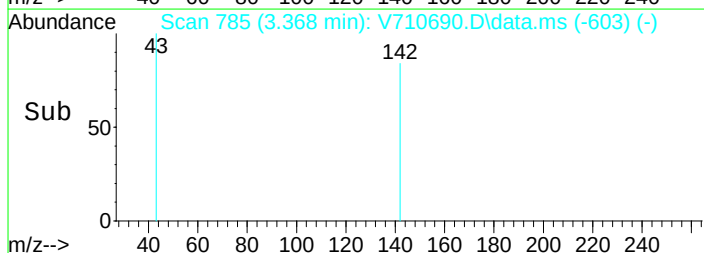
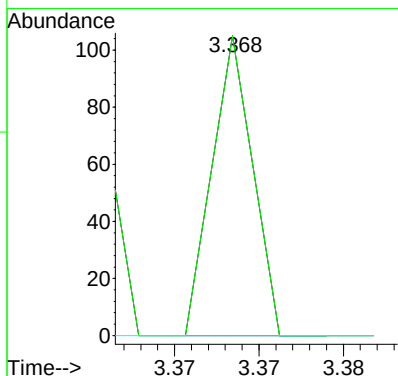
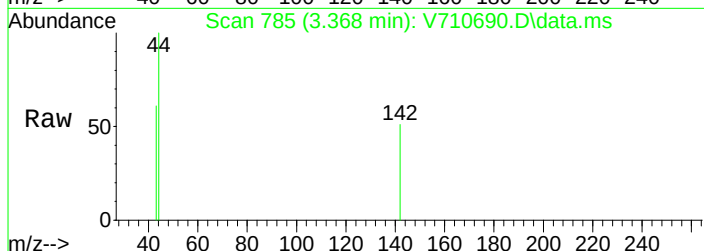
Tgt Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	35.2	16.0	47.9





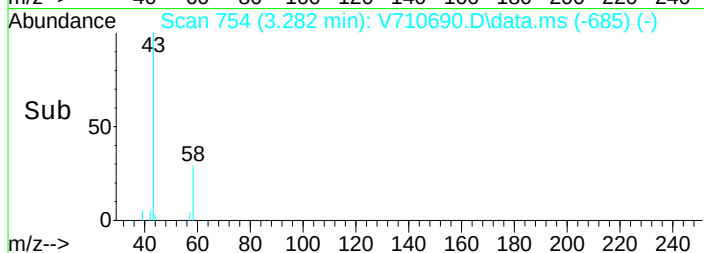
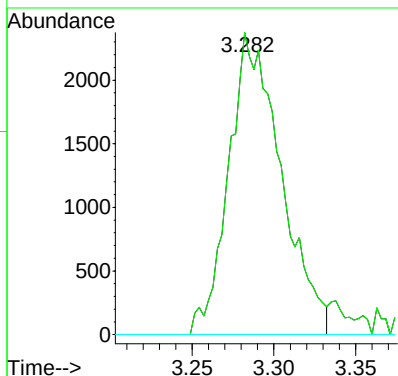
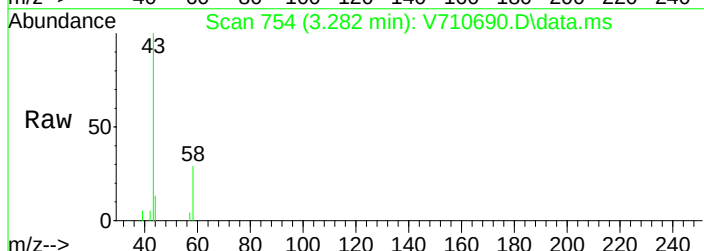
#13
 Iodomethane
 Concen: 3.98 ppb
 RT: 3.368 min Scan# 785
 Delta R.T. 0.005 min
 Lab File: V710690.D
 Acq: 24 Sep 2016 1:46 pm

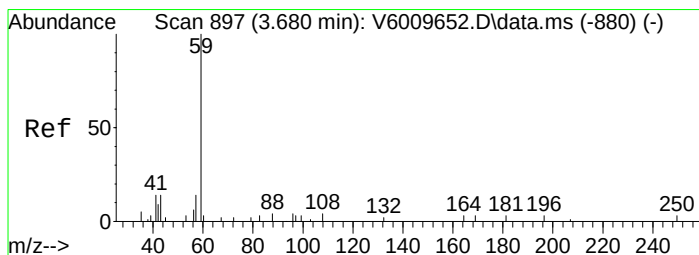
Tgt Ion: 142 Resp: 18
 Ion Ratio Lower Upper
 142 100
 142 100.0 80.0 120.0
 127 0.0 19.7 59.1#



#14
 Methyl Acetate
 Concen: 1.72 ppb
 RT: 3.282 min Scan# 754
 Delta R.T. -0.309 min
 Lab File: V710690.D
 Acq: 24 Sep 2016 1:46 pm

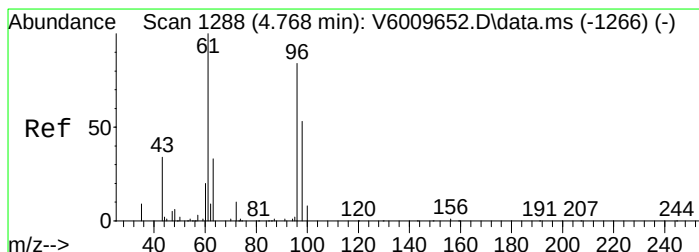
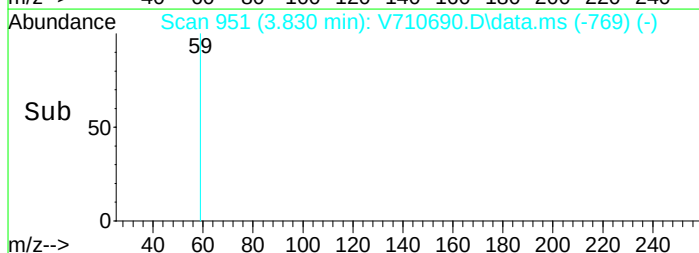
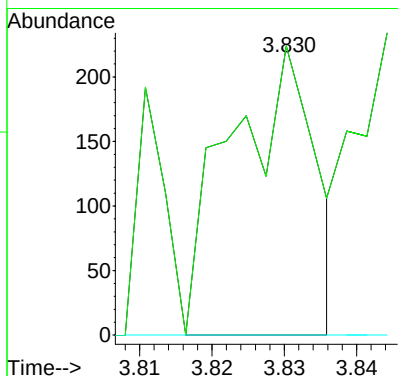
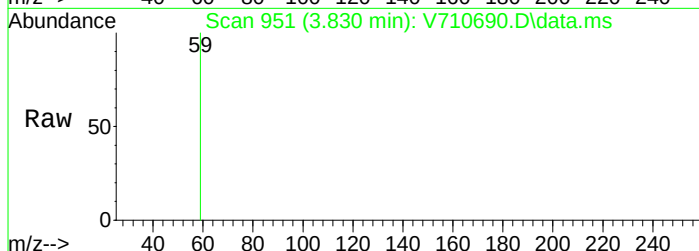
Tgt Ion: 43 Resp: 5279
 Ion Ratio Lower Upper
 43 100
 43 100.0 80.0 120.0
 74 0.0 12.0 36.0#





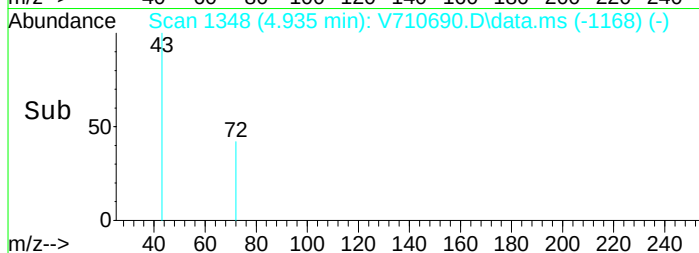
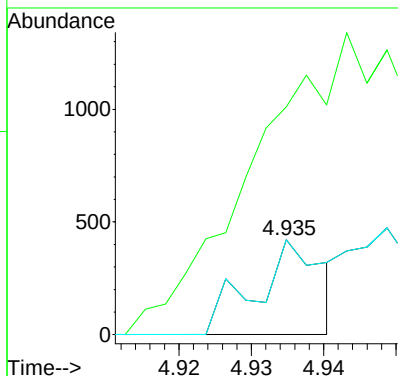
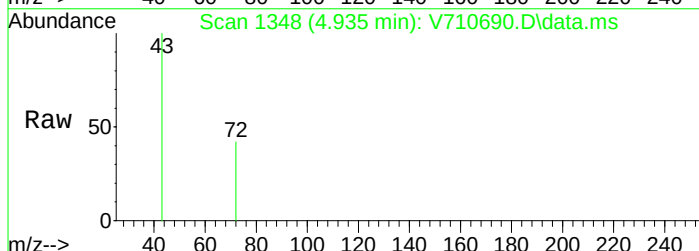
#16
 tert-Butyl Alcohol (TBA)
 Concen: 0.41 ppb
 RT: 3.830 min Scan# 951
 Delta R.T. 0.005 min
 Lab File: V710690.D
 Acq: 24 Sep 2016 1:46 pm

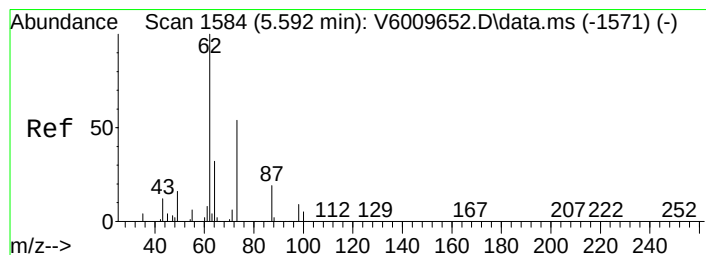
Tgt Ion	Ratio	Lower	Upper
59	100		
59	100.0	65.0	135.0
41	0.0	478.5	1435.4#



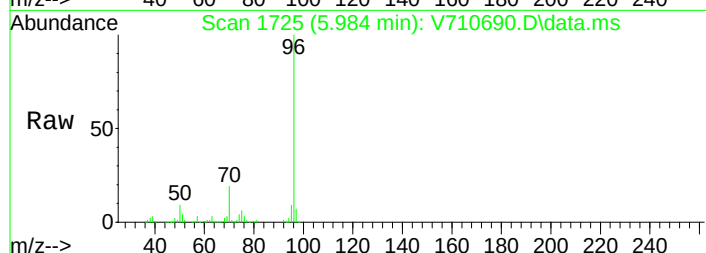
#26
 2-Butanone
 Concen: 0.38 ppb
 RT: 4.935 min Scan# 1348
 Delta R.T. -0.000 min
 Lab File: V710690.D
 Acq: 24 Sep 2016 1:46 pm

Tgt Ion	Ratio	Lower	Upper
72	100		
43	0.0	243.1	364.7#
72	100.0	50.0	150.0

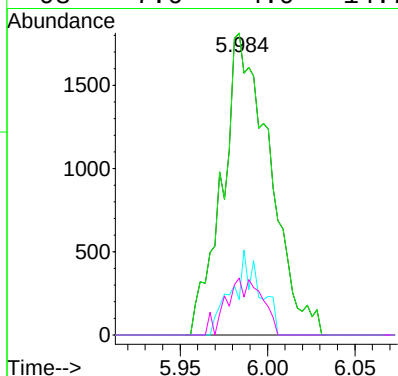
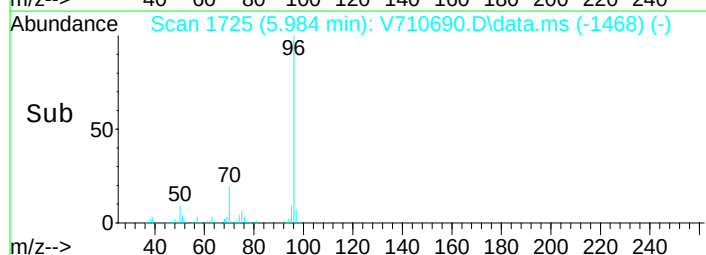




#37
 1,2-Dichloroethane
 Concen: 0.49 ppb
 RT: 5.984 min Scan# 1725
 Delta R.T. 0.214 min
 Lab File: V710690.D
 Acq: 24 Sep 2016 1:46 pm



Tgt Ion:	62	Resp:	3422
Ion Ratio	Lower	Upper	
62	100		
62	100.0	80.0	120.0
64	16.7	16.3	48.8
98	7.6	4.9	14.7



FORM I

ORGANIC ANALYSIS DATA SHEET

Trip Blank-BM

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-31 File ID: V710691.D
 Sampled: 09/12/16 15:05 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 14:12
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	3.4	
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	2.0	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

Trip Blank-BM

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-31 File ID: V710691.D
 Sampled: 09/12/16 15:05 Prepared: 09/23/16 18:02 Analyzed: 09/24/16 14:12
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61179 Sequence: Y612702 Calibration: YI60009 Instrument: MSVOA7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.3	103	69 - 130	
Toluene-d8	10.0	9.63	96.3	81 - 117	
p-Bromofluorobenzene	10.0	10.1	101	79 - 122	

* Values outside of QC limits

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710691.D
 Acq On : 24 Sep 2016 2:12 pm
 InstName : MSVOA7
 Operator : SS
 Sample : 16I0590-31
 Misc : QBV7092316B 8260 LOW A
 ALS Vial : 67 Sample Multiplier: 1

Quant Time: Oct 21 10:06:01 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Wed Sep 28 08:32:06 2016
 Response via : Initial Calibration

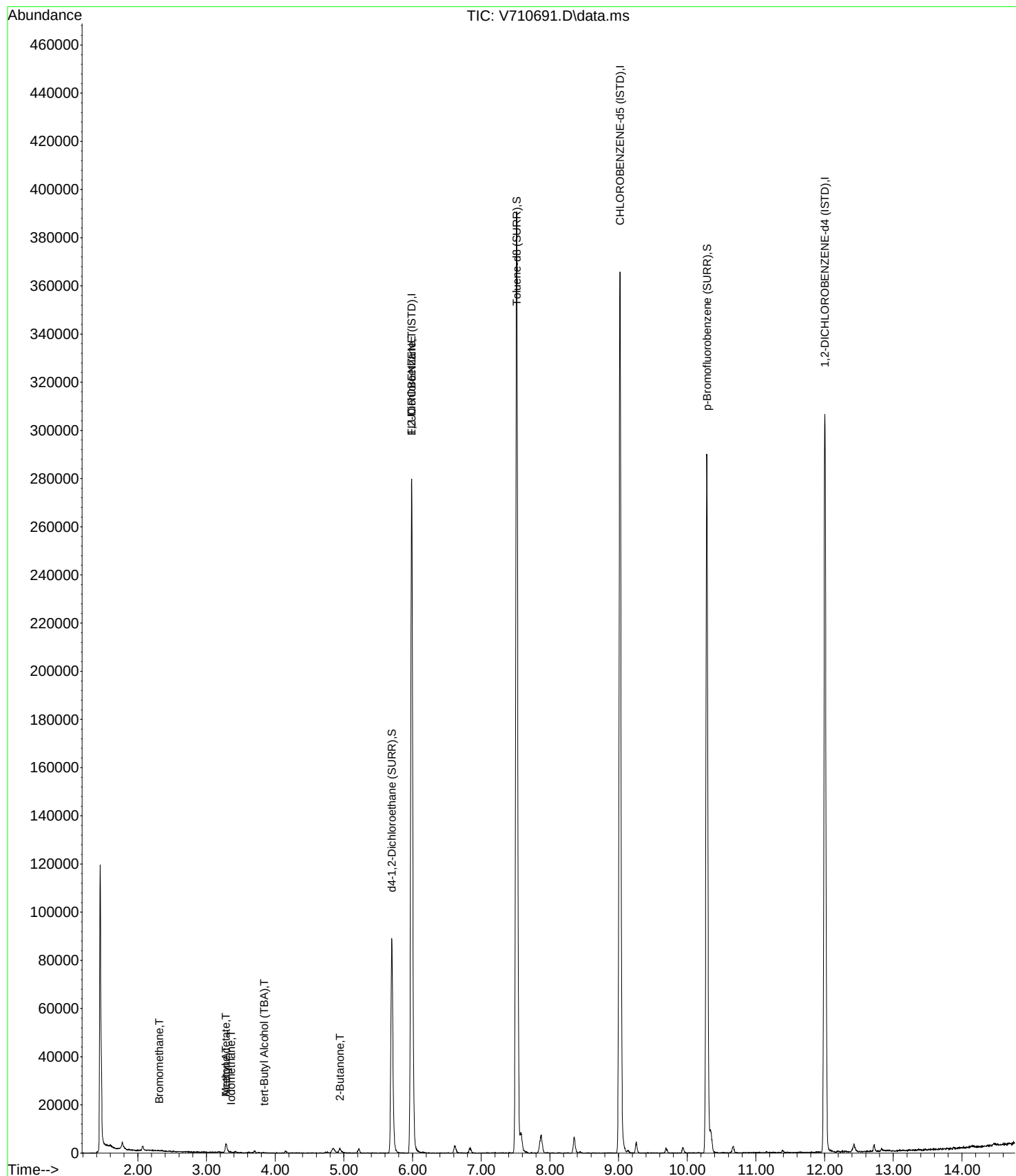
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

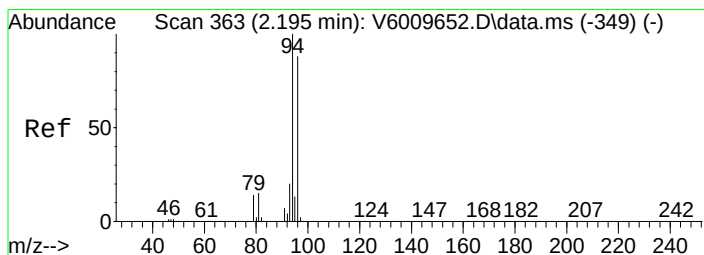
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.987	70	55984	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	255736	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	107601	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	61560	10.31	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.10%	
51) Toluene-d8 (SURR)	7.517	98	306156	9.63	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.30%	
70) p-Bromofluorobenzene (...)	10.288	95	121924	10.09	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.90%	
Target Compounds						
						Qvalue
5) Bromomethane	2.311	94	17	3.45	ppb	87
12) Acetone	3.282	43	4894	3.42	ppb	99
13) Iodomethane	3.360	142	128	4.01	ppb	# 82
14) Methyl Acetate	3.282	43	4894	1.64	ppb	# 91
16) tert-Butyl Alcohol (TBA)	3.839	59	135	0.32	ppb	# 1
26) 2-Butanone	4.940	72	210	0.31	ppb	# 1
37) 1,2-Dichloroethane	5.987	62	3408	0.50	ppb	# 86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
Data File : V710691.D
Acq On : 24 Sep 2016 2:12 pm
InstName : MSVOA7
Operator : SS
Sample : 16I0590-31
Misc : QBV7092316B 8260 LOW A
ALS Vial : 67 Sample Multiplier: 1

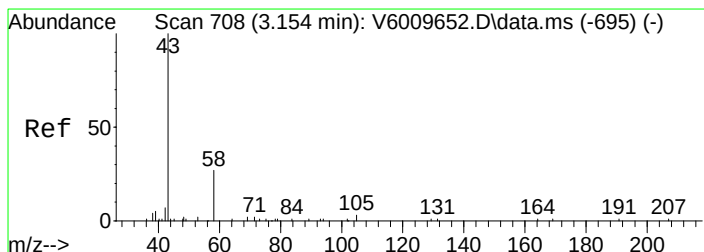
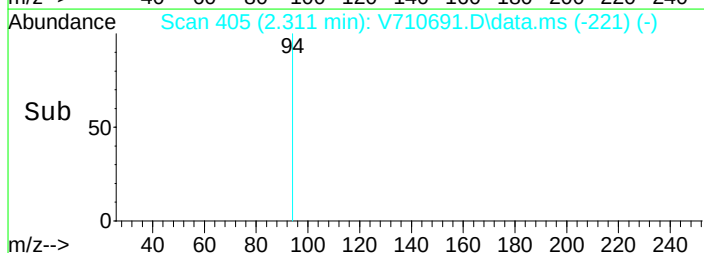
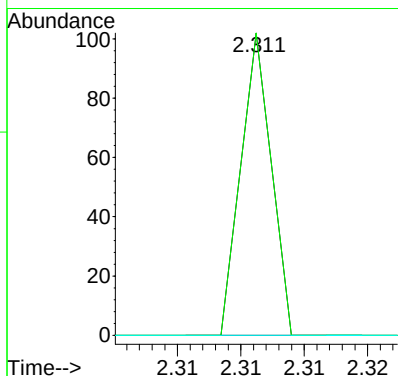
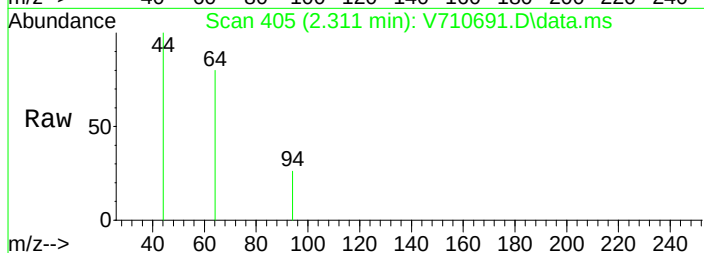
Quant Time: Oct 21 10:06:01 2016
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Quant Title : Volatile Organics EPA 8260C
QLast Update : Wed Sep 28 08:32:06 2016
Response via : Initial Calibration





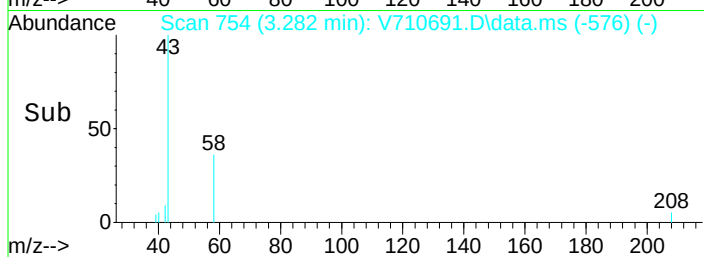
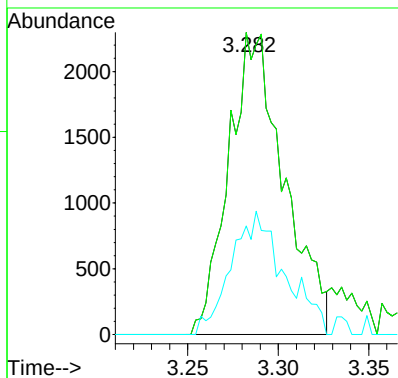
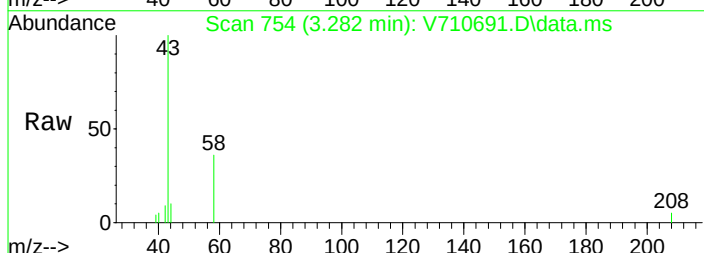
#5
Bromomethane
Concen: 3.45 ppb
RT: 2.311 min Scan# 405
Delta R.T. 0.011 min
Lab File: V710691.D
Acq: 24 Sep 2016 2:12 pm

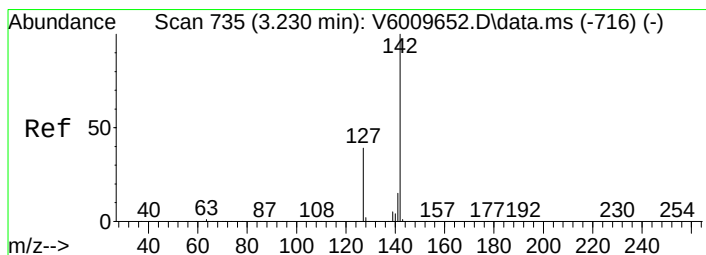
Tgt Ion	Ratio	Lower	Upper
94	100		
94	100.0	50.0	150.0
96	117.6	46.2	138.6



#12
Acetone
Concen: 3.42 ppb
RT: 3.282 min Scan# 754
Delta R.T. -0.006 min
Lab File: V710691.D
Acq: 24 Sep 2016 2:12 pm

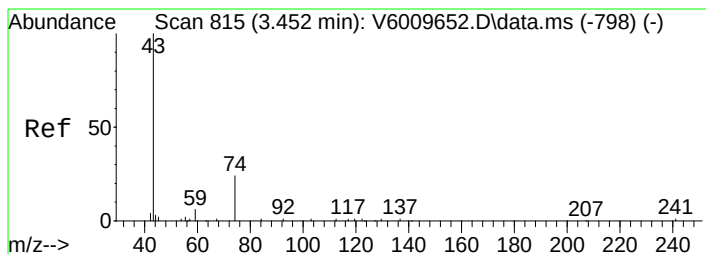
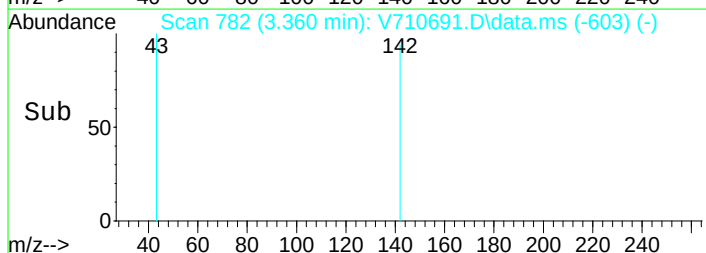
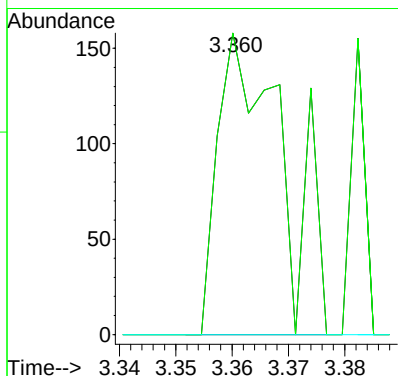
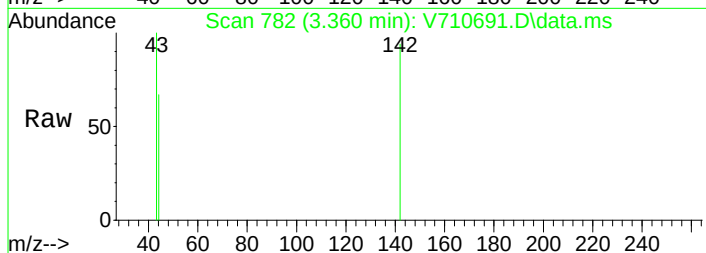
Tgt Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	34.5	16.0	47.9





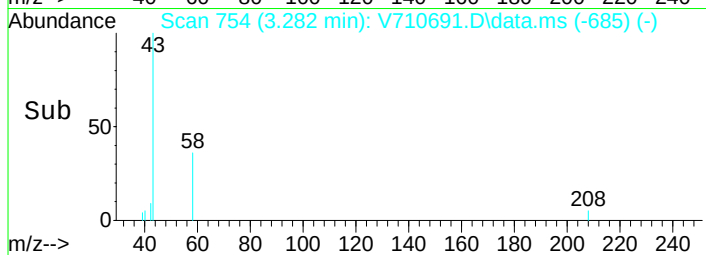
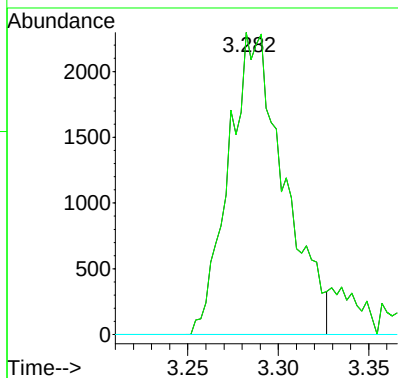
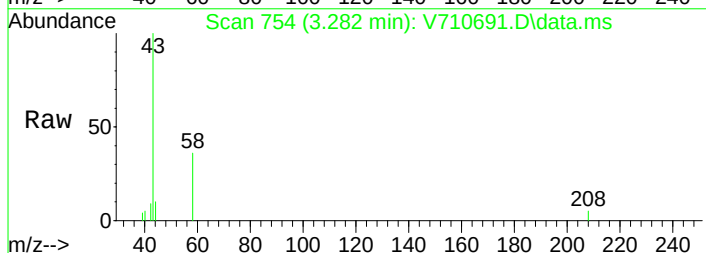
#13
Iodomethane
Concen: 4.01 ppb
RT: 3.360 min Scan# 782
Delta R.T. -0.003 min
Lab File: V710691.D
Acq: 24 Sep 2016 2:12 pm

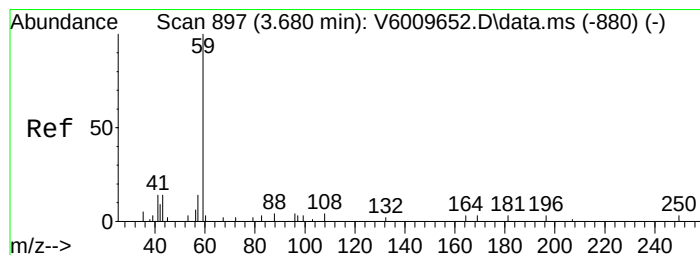
Tgt Ion	Ratio	Lower	Upper
142	100		
142	100.0	80.0	120.0
127	0.0	19.7	59.1#



#14
Methyl Acetate
Concen: 1.64 ppb
RT: 3.282 min Scan# 754
Delta R.T. -0.309 min
Lab File: V710691.D
Acq: 24 Sep 2016 2:12 pm

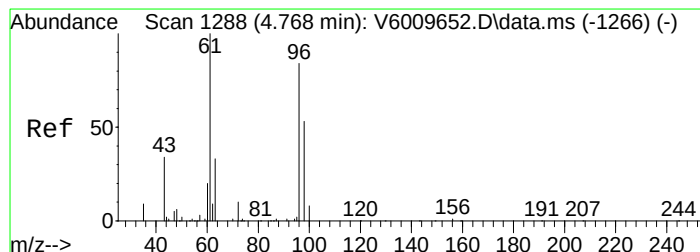
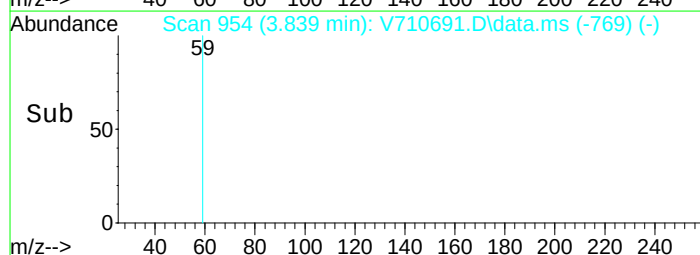
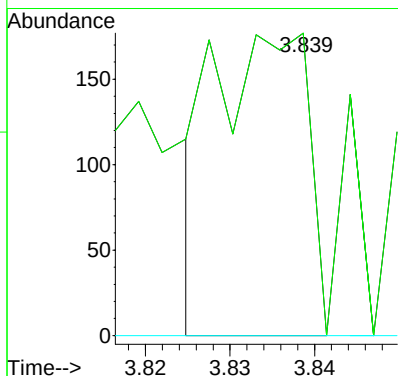
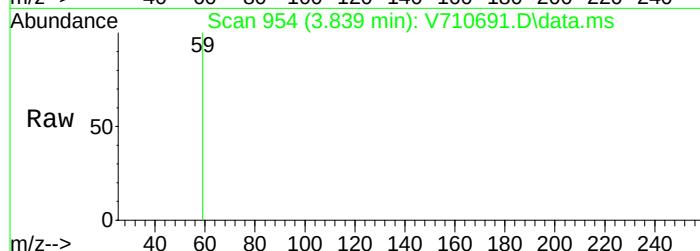
Tgt Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
74	0.0	12.0	36.0#





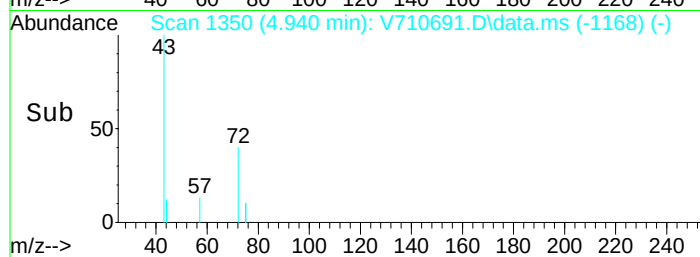
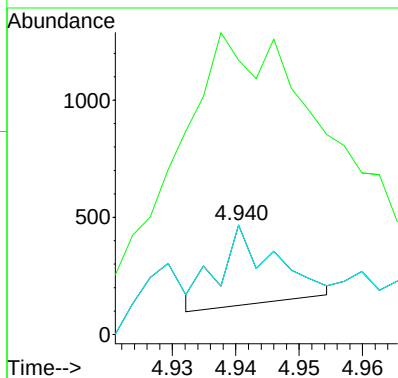
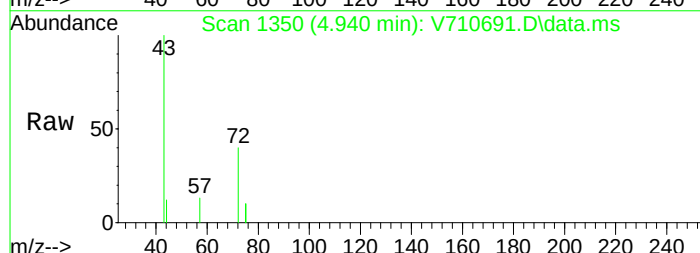
#16
 tert-Butyl Alcohol (TBA)
 Concen: 0.32 ppb
 RT: 3.839 min Scan# 954
 Delta R.T. 0.014 min
 Lab File: V710691.D
 Acq: 24 Sep 2016 2:12 pm

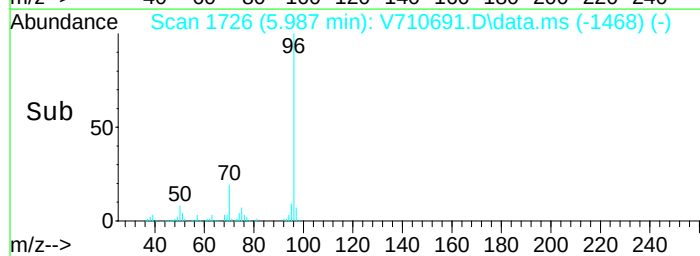
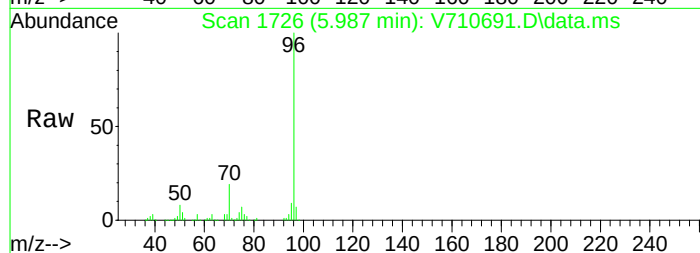
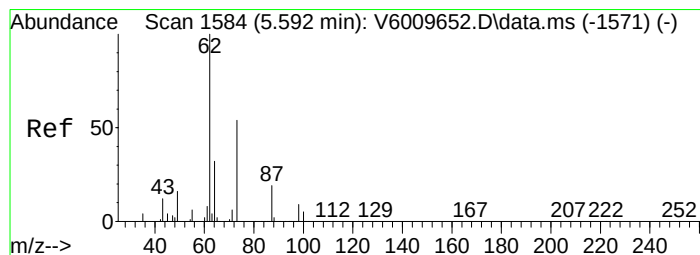
Tgt Ion	Ratio	Lower	Upper
59	100		
59	100.0	65.0	135.0
41	0.0	478.5	1435.4#



#26
 2-Butanone
 Concen: 0.31 ppb
 RT: 4.940 min Scan# 1350
 Delta R.T. 0.005 min
 Lab File: V710691.D
 Acq: 24 Sep 2016 2:12 pm

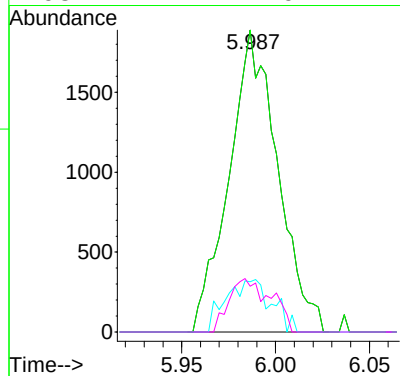
Tgt Ion	Ratio	Lower	Upper
72	100		
43	1458.1	243.1	364.7#
72	100.0	50.0	150.0





#37
 1,2-Dichloroethane
 Concen: 0.50 ppb
 RT: 5.987 min Scan# 1726
 Delta R.T. 0.217 min
 Lab File: V710691.D
 Acq: 24 Sep 2016 2:12 pm

Tgt Ion:	62	Resp:	3408
Ion Ratio	Lower	Upper	
62	100		
62	100.0	80.0	120.0
64	0.0	16.3	48.8#
98	12.7	4.9	14.7



FORM I

ORGANIC ANALYSIS DATA SHEET

Field Blank-SA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-32 File ID: V8003751.D
 Sampled: 09/15/16 08:50 Prepared: 09/26/16 08:33 Analyzed: 09/26/16 19:35
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61212 Sequence: Y612703 Calibration: YI60005 Instrument: VOA No. 8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

Field Blank-SA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-32 File ID: V8003751.D
 Sampled: 09/15/16 08:50 Prepared: 09/26/16 08:33 Analyzed: 09/26/16 19:35
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61212 Sequence: Y612703 Calibration: YI60005 Instrument: VOA No. 8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.6	106	69 - 130	
Toluene-d8	10.0	10.1	101	81 - 117	
p-Bromofluorobenzene	10.0	10.2	102	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\data\092616\
 Data File : V8003751.D
 Acq On : 26 Sep 2016 7:35 pm
 Operator : BK
 Sample : 16I0590-32
 Misc : V8092616A 8260 LOW A
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 27 10:23:42 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

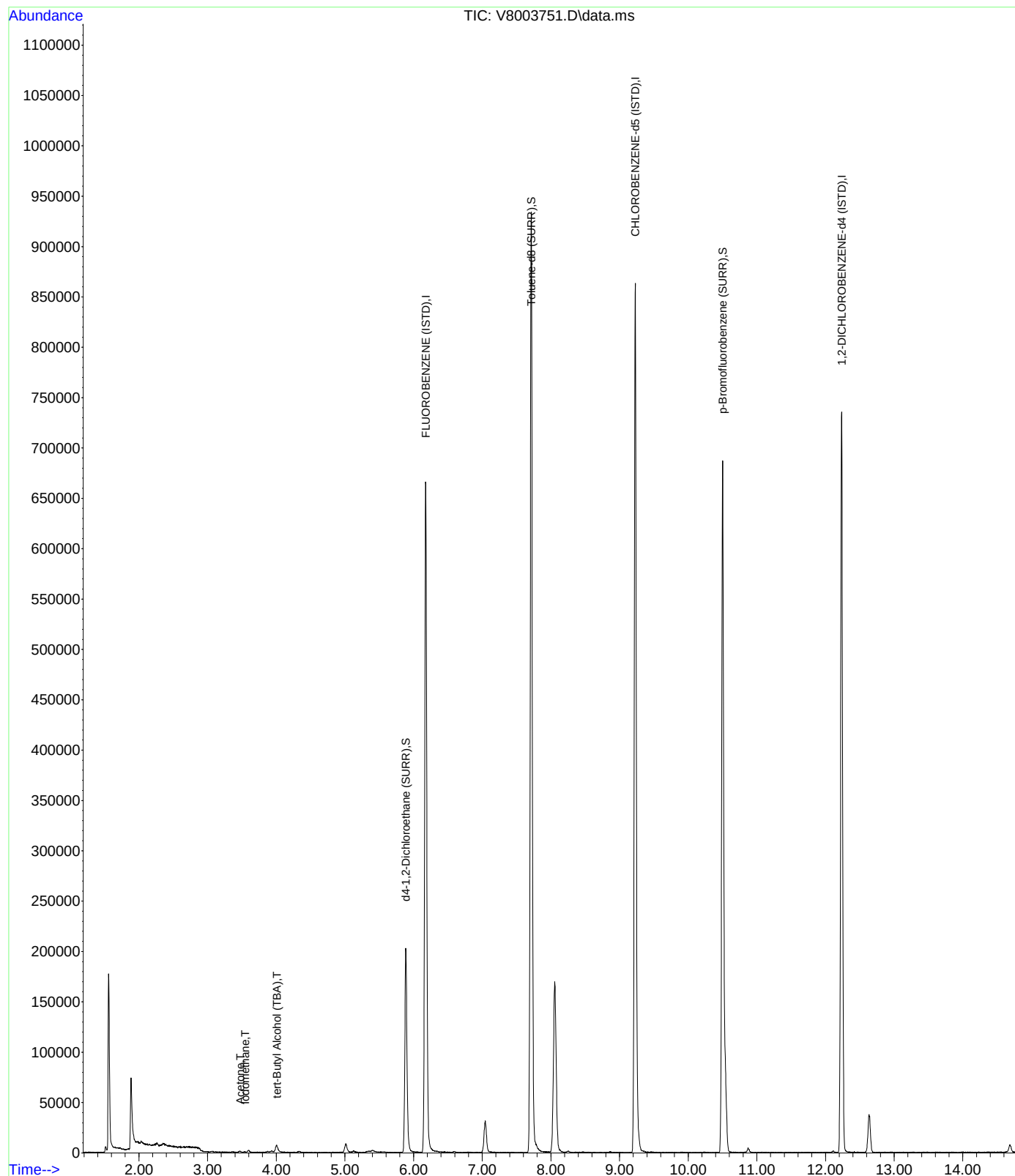
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

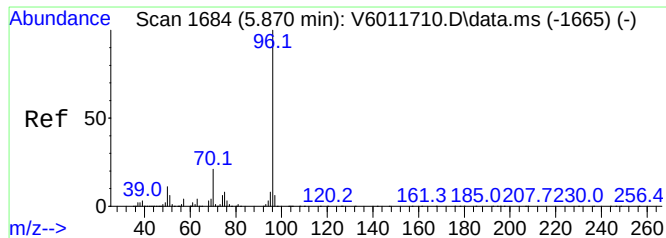
Internal Standards						
1) FLUOROBENZENE (ISTD)	6.178	70	124991	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.229	117	604643	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.235	152	244933	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.886	65	145693	10.57	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	105.70%	
51) Toluene-d8 (SURR)	7.715	98	727426	10.06	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	100.60%	
70) p-Bromofluorobenzene (...)	10.501	95	259453	10.19	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	101.90%	
Target Compounds						
						Qvalue
6) Chloroethane	2.628	64	229	Below Cal		98
8) Ethanol	3.203	45	19	Below Cal		100
12) Acetone	3.473	43	1060	0.72 ppb	#	94
13) Iodomethane	3.549	142	685m	3.47 ppb		
16) tert-Butyl Alcohol (TBA)	4.006	59	9331	42.10 ppb	#	97
36) tert-Amyl alcohol (TAA)	5.894	59	141	Below Cal	#	39
47) 1,4-Dioxane	6.895	88	17	Below Cal	#	71
93) Naphthalene	14.385	128	41	Below Cal	#	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\092616\
Data File : V8003751.D
Acq On : 26 Sep 2016 7:35 pm
Operator : BK
Sample : 16I0590-32
Misc : V8092616A 8260 LOW A
ALS Vial : 11 Sample Multiplier: 1

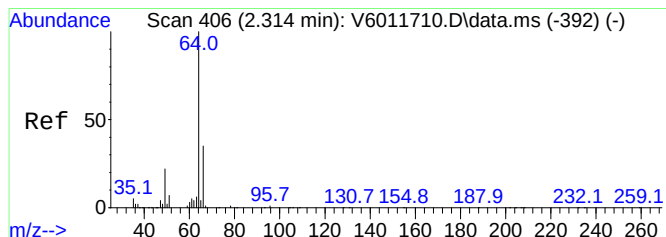
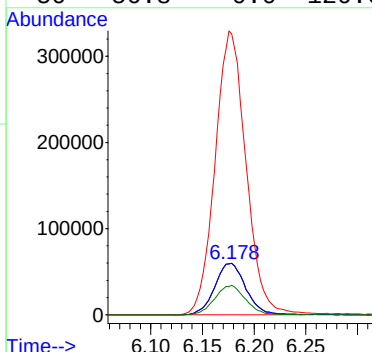
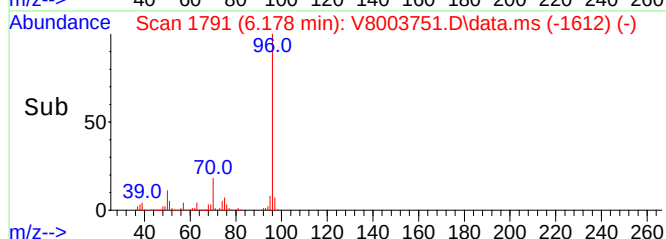
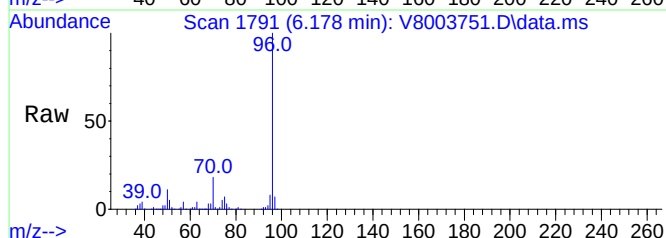
Quant Time: Sep 27 10:23:42 2016
Quant Method : C:\msdchem\1\methods\V8L00015.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Thu Sep 15 08:36:22 2016
InstName : VOA No. 8
Response via : Initial Calibration





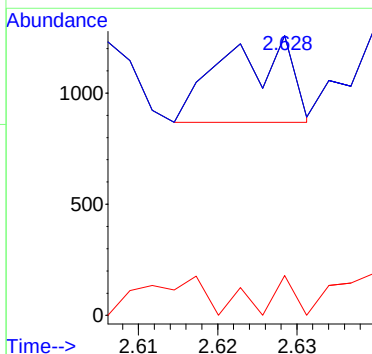
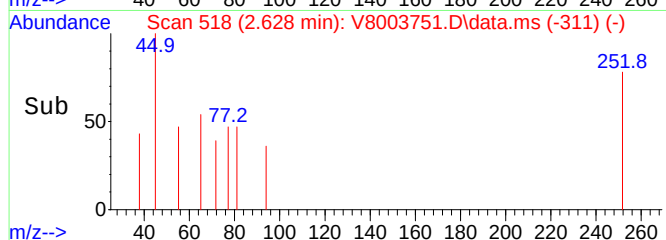
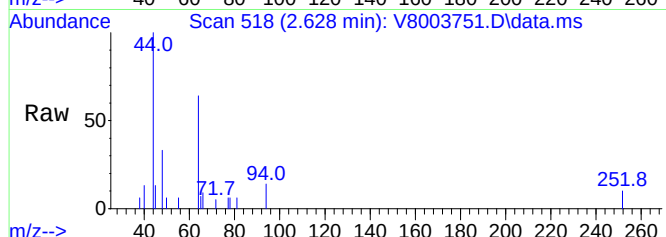
#1
 FLUOROBENZENE (ISTD)
 Concen: 10.00 ppb
 RT: 6.178 min Scan# 1791
 Delta R.T. -0.001 min
 Lab File: V8003751.D
 Acq: 26 Sep 2016 7:35 pm

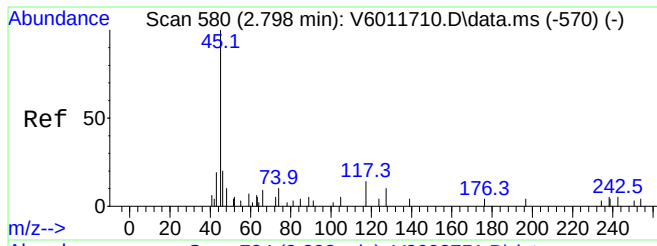
Tgt Ion: 70 Resp: 124991
 Ion Ratio Lower Upper
 70 100
 70 100.0 65.0 135.0
 96 549.9 343.3 713.1
 50 56.8 0.0 120.6



#6
 Chloroethane
 Concen: Below Cal
 RT: 2.628 min Scan# 518
 Delta R.T. 0.077 min
 Lab File: V8003751.D
 Acq: 26 Sep 2016 7:35 pm

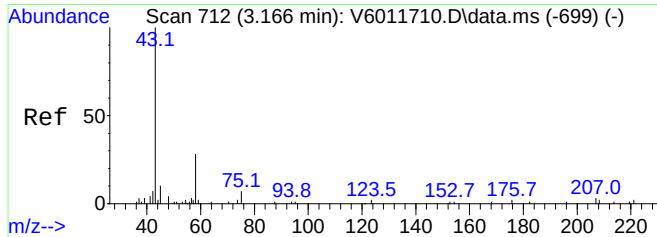
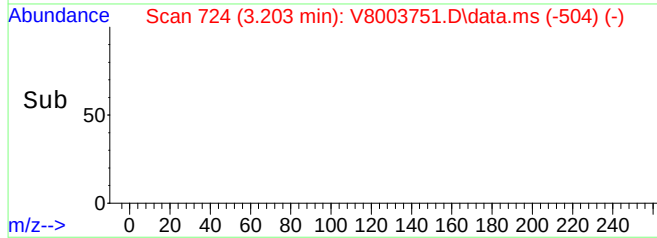
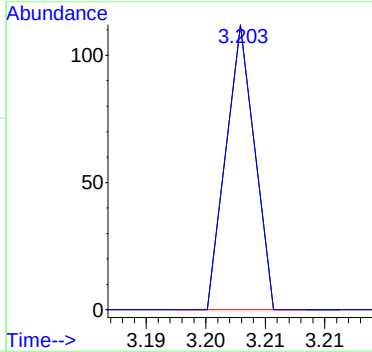
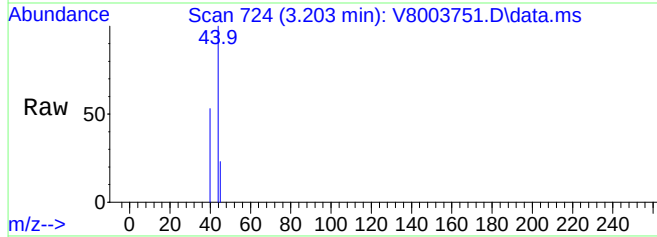
Tgt Ion: 64 Resp: 229
 Ion Ratio Lower Upper
 64 100
 64 100.0 65.0 135.0
 66 39.3 22.7 47.3





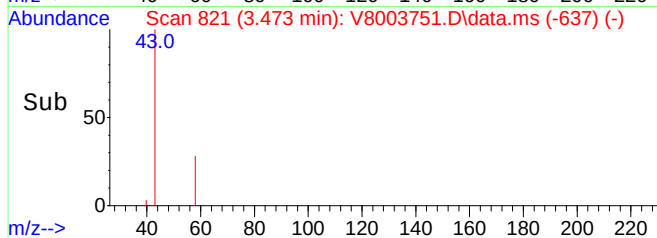
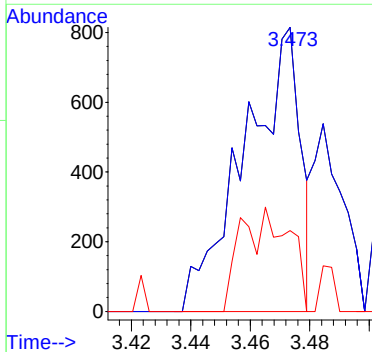
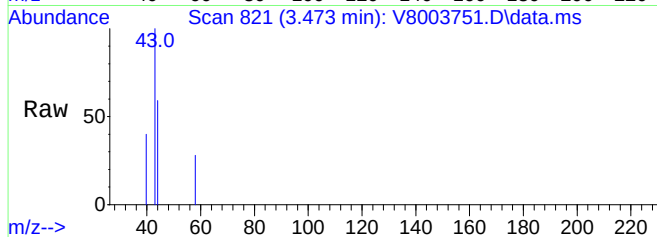
#8
Ethanol
Concen: Below Cal
RT: 3.203 min Scan# 724
Delta R.T. 0.114 min
Lab File: V8003751.D
Acq: 26 Sep 2016 7:35 pm

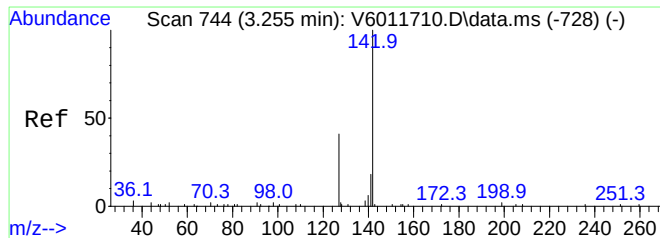
Tgt Ion: 45 Resp: 19
Ion Ratio Lower Upper
45 100
45 100.0 50.0 150.0



#12
Acetone
Concen: 0.72 ppb
RT: 3.473 min Scan# 821
Delta R.T. 0.014 min
Lab File: V8003751.D
Acq: 26 Sep 2016 7:35 pm

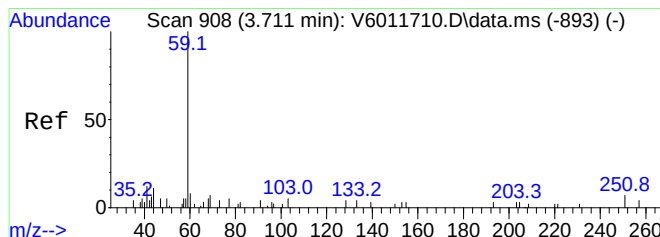
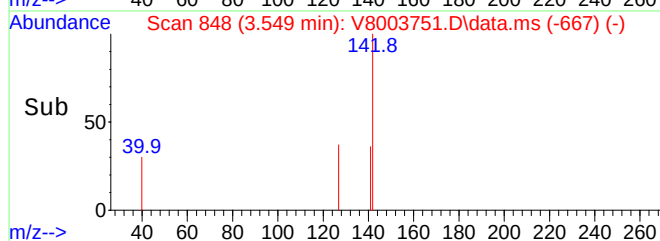
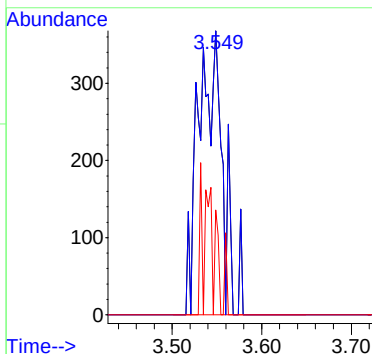
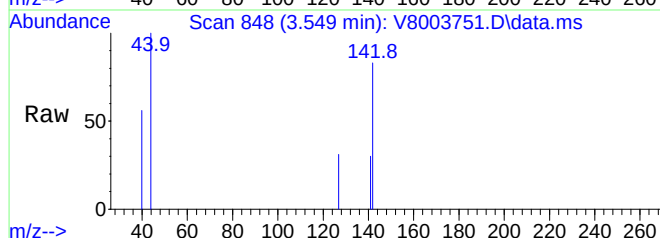
Tgt Ion: 43 Resp: 1060
Ion Ratio Lower Upper
43 100
43 100.0 80.0 120.0
58 12.9 13.9 41.6#





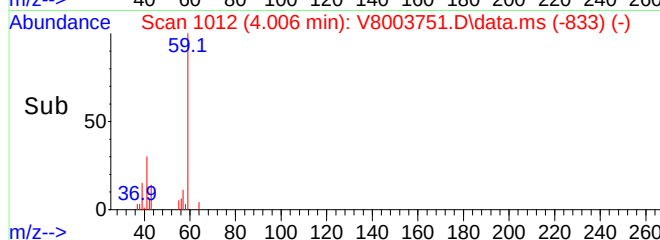
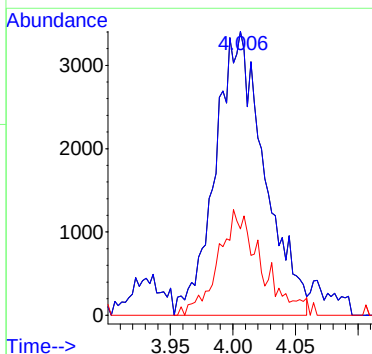
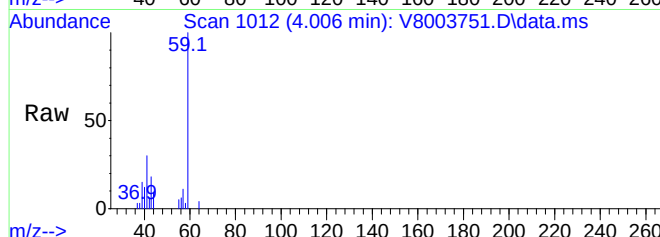
#13
Iodomethane
Concen: 3.47 ppb m
RT: 3.549 min Scan# 848
Delta R.T. 0.006 min
Lab File: V8003751.D
Acq: 26 Sep 2016 7:35 pm

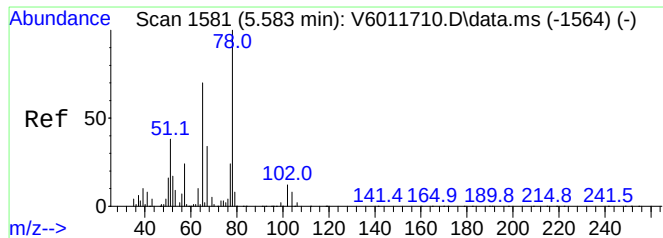
Tgt Ion: 142 Resp: 685
Ion Ratio Lower Upper
142 100
142 33.6 80.0 120.0#
127 11.4 20.8 62.2#



#16
tert-Butyl Alcohol (TBA)
Concen: 42.10 ppb
RT: 4.006 min Scan# 1012
Delta R.T. 0.000 min
Lab File: V8003751.D
Acq: 26 Sep 2016 7:35 pm

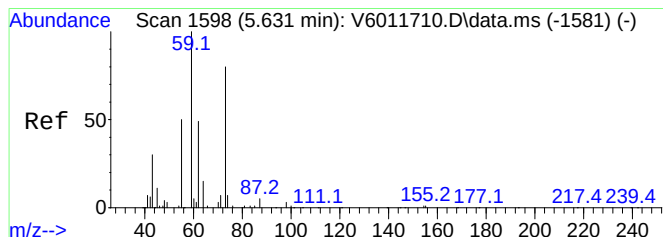
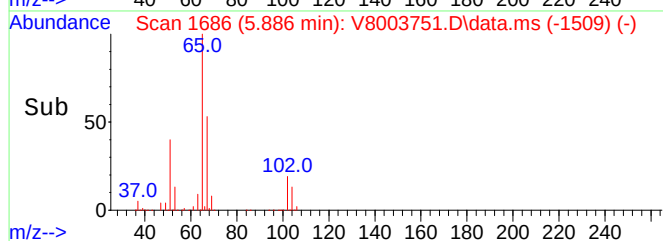
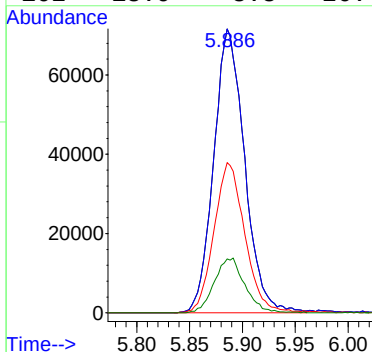
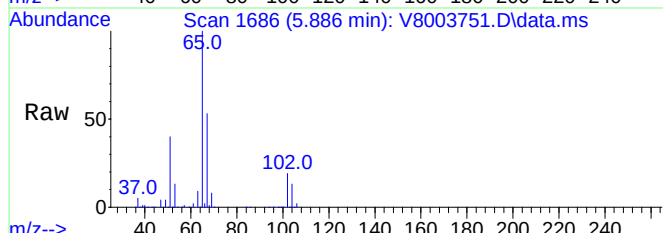
Tgt Ion: 59 Resp: 9331
Ion Ratio Lower Upper
59 100
59 100.0 65.0 135.0
41 0.0 6.0 18.0#





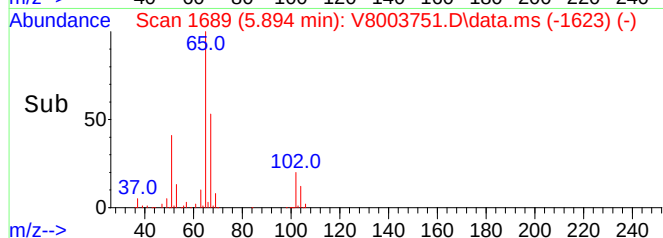
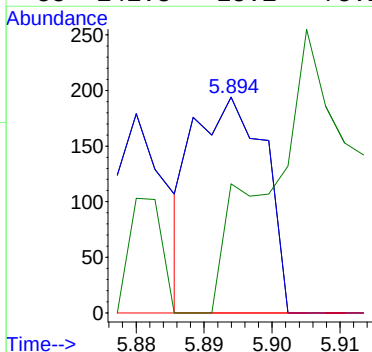
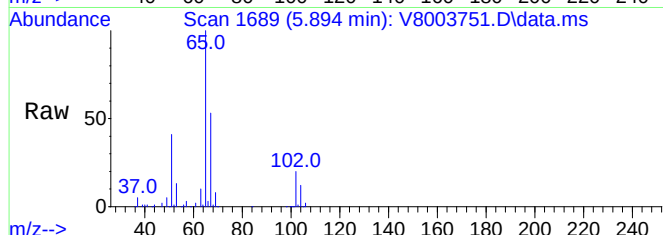
#34
d4-1,2-Dichloroethane (SURRE)
Concen: 10.57 ppb
RT: 5.886 min Scan# 1686
Delta R.T. -0.006 min
Lab File: V8003751.D
Acq: 26 Sep 2016 7:35 pm

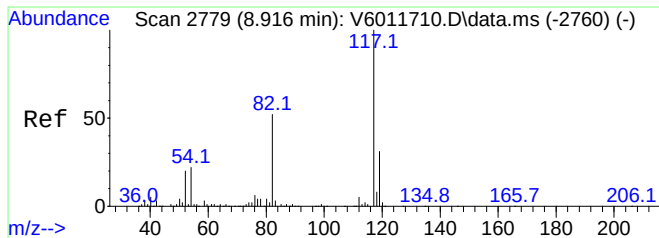
Tgt Ion: 65 Resp: 145693
Ion Ratio Lower Upper
65 100
65 100.0 65.0 135.0
67 52.6 31.3 65.1
102 18.9 8.8 26.4



#36
tert-Amyl alcohol (TAA)
Concen: Below Cal
RT: 5.894 min Scan# 1689
Delta R.T. -0.017 min
Lab File: V8003751.D
Acq: 26 Sep 2016 7:35 pm

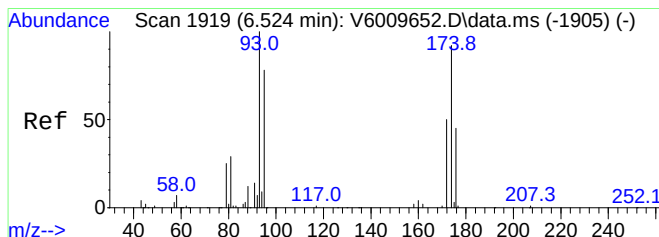
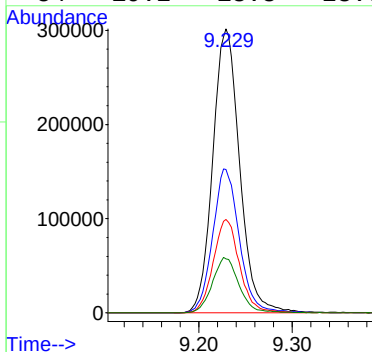
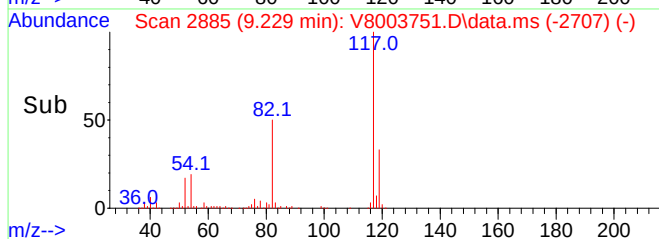
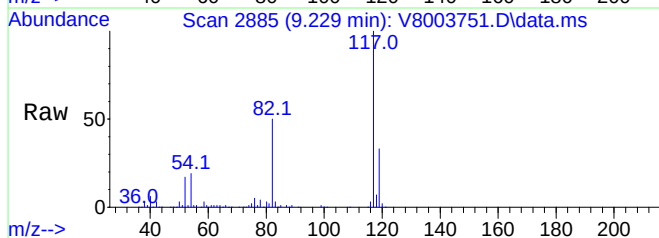
Tgt Ion: 59 Resp: 141
Ion Ratio Lower Upper
59 100
59 100.0 80.0 120.0
73 0.0 40.2 120.5#
55 141.8 25.1 75.2#





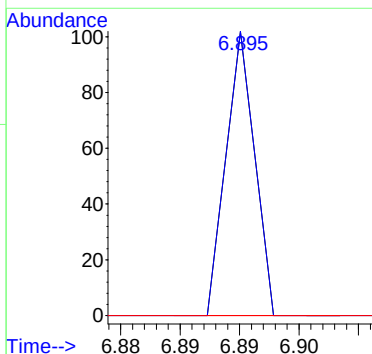
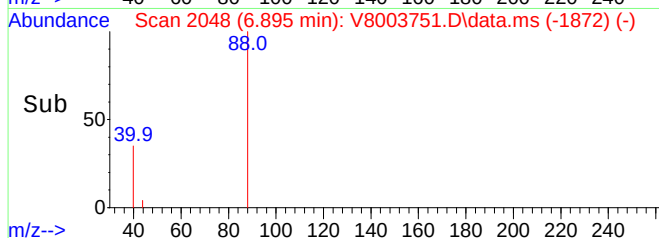
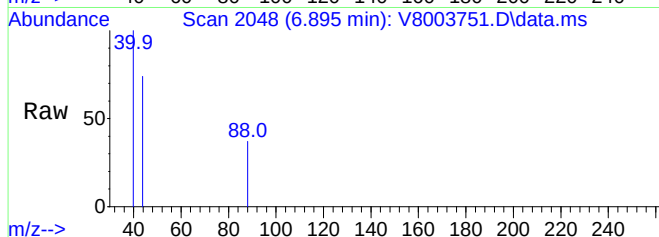
#40
 CHLOROBENZENE-d5 (ISTD)
 Concen: 10.00 ppb
 RT: 9.229 min Scan# 2885
 Delta R.T. -0.003 min
 Lab File: V8003751.D
 Acq: 26 Sep 2016 7:35 pm

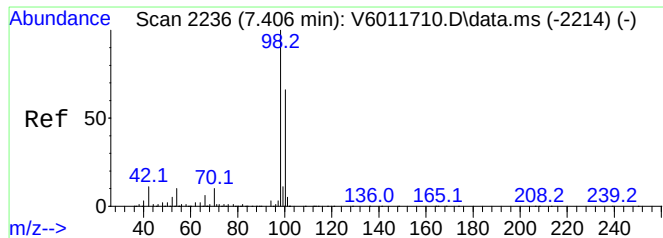
Tgt Ion:	117	Resp:	604643
Ion Ratio	Lower	Upper	
117	100		
82	50.3	34.0	70.6
119	32.2	21.5	44.7
54	19.2	13.8	28.6



#47
 1,4-Dioxane
 Concen: Below Cal
 RT: 6.895 min Scan# 2048
 Delta R.T. -0.009 min
 Lab File: V8003751.D
 Acq: 26 Sep 2016 7:35 pm

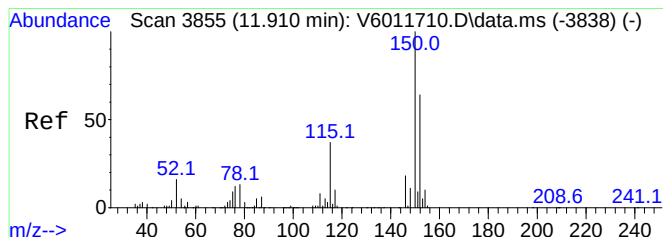
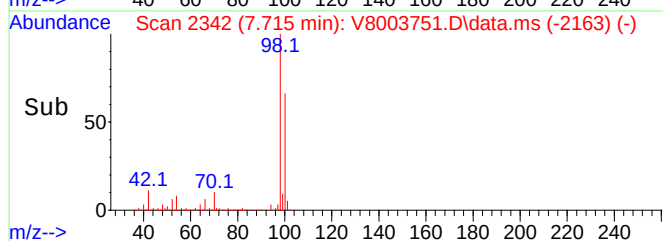
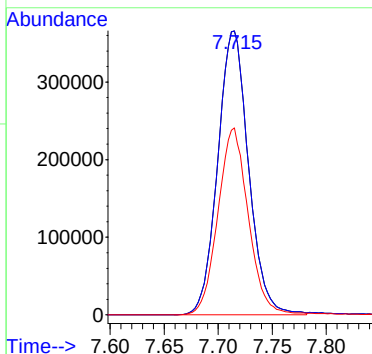
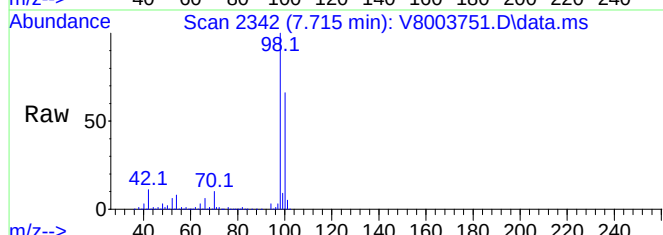
Tgt Ion:	88	Resp:	17
Ion Ratio	Lower	Upper	
88	100		
88	100.0	80.0	120.0
58	0.0	29.0	87.0#





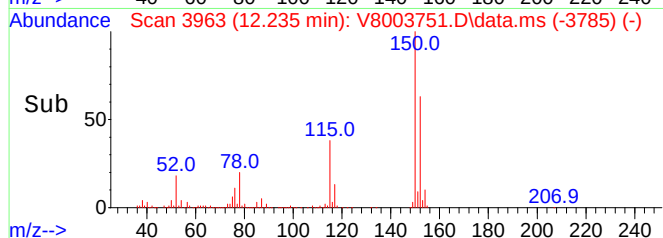
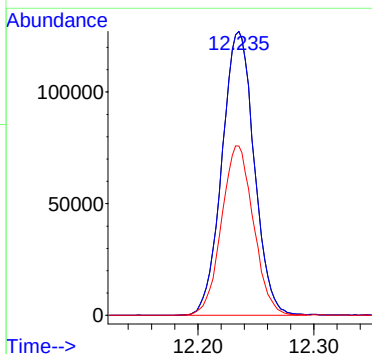
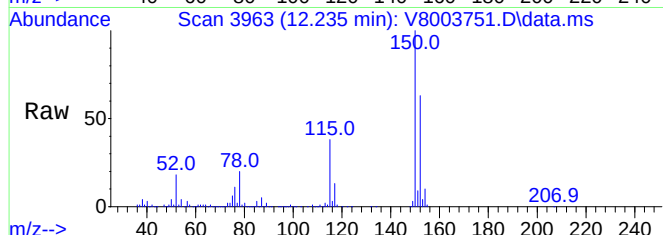
#51
Toluene-d8 (Surr)
Concen: 10.06 ppb
RT: 7.715 min Scan# 2342
Delta R.T. -0.000 min
Lab File: V8003751.D
Acq: 26 Sep 2016 7:35 pm

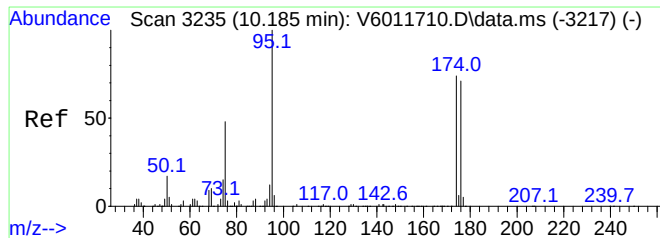
Tgt Ion: 98 Resp: 727426
Ion Ratio Lower Upper
98 100
98 100.0 65.0 135.0
100 65.2 42.8 89.0



#67
1,2-DICHLOROBENZENE-d4 (Istd)
Concen: 10.00 ppb
RT: 12.235 min Scan# 3963
Delta R.T. -0.003 min
Lab File: V8003751.D
Acq: 26 Sep 2016 7:35 pm

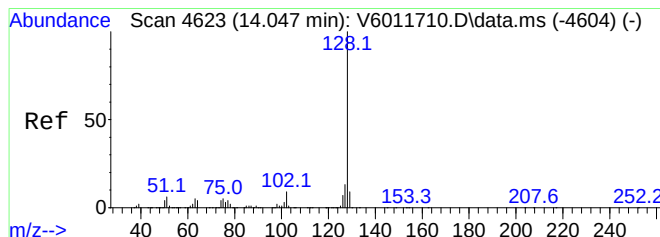
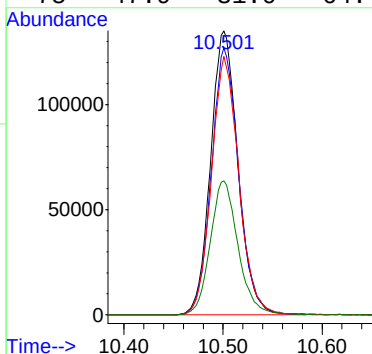
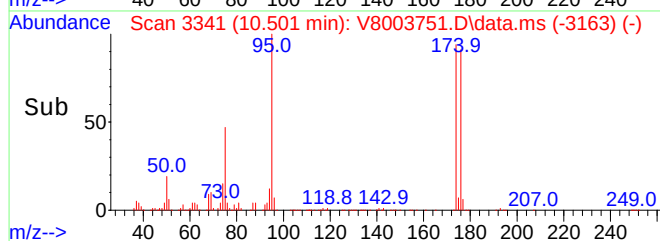
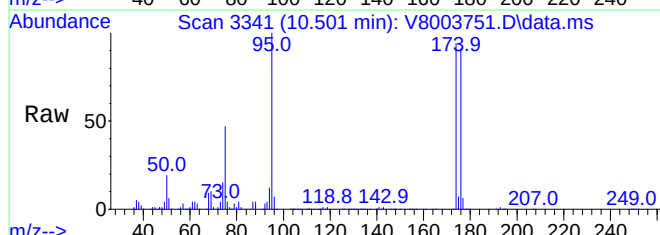
Tgt Ion: 152 Resp: 244933
Ion Ratio Lower Upper
152 100
152 100.0 50.0 150.0
115 59.3 31.5 94.5





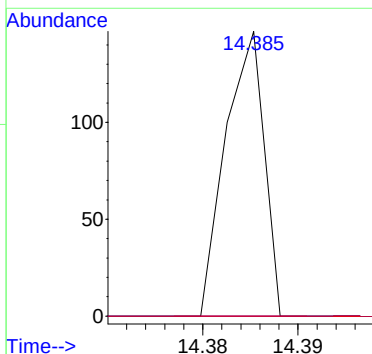
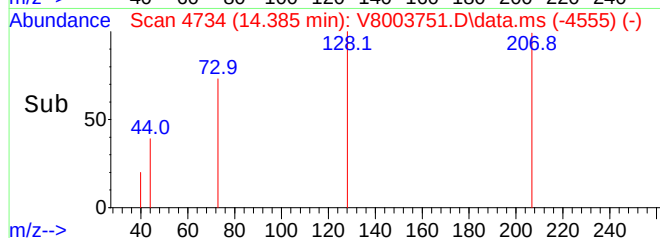
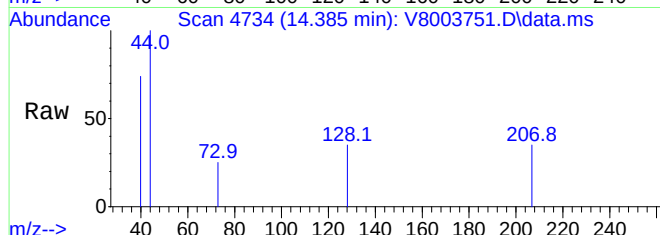
#70
p-Bromofluorobenzene (SURR)
Concen: 10.19 ppb
RT: 10.501 min Scan# 3341
Delta R.T. -0.003 min
Lab File: V8003751.D
Acq: 26 Sep 2016 7:35 pm

Tgt Ion:	95	Resp:	259453
Ion Ratio	Lower	Upper	
95	100		
174	93.6	47.8	99.4
176	90.7	46.3	96.1
75	47.9	31.0	64.4



#93
Naphthalene
Concen: Below Cal
RT: 14.385 min Scan# 4734
Delta R.T. -0.001 min
Lab File: V8003751.D
Acq: 26 Sep 2016 7:35 pm

Tgt Ion:	128	Resp:	41
Ion Ratio	Lower	Upper	
128	100		
127	0.0	8.5	17.6#
129	0.0	6.1	12.7#



FORM I

ORGANIC ANALYSIS DATA SHEET

Field Blank-BM

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-33 File ID: V8003747.D
 Sampled: 09/15/16 10:30 Prepared: 09/26/16 08:33 Analyzed: 09/26/16 17:44
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61212 Sequence: Y612703 Calibration: YI60005 Instrument: VOA No. 8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	1.0	J
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

Field Blank-BM

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-33 File ID: V8003747.D
 Sampled: 09/15/16 10:30 Prepared: 09/26/16 08:33 Analyzed: 09/26/16 17:44
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61212 Sequence: Y612703 Calibration: YI60005 Instrument: VOA No. 8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.6	106	69 - 130	
Toluene-d8	10.0	10.2	102	81 - 117	
p-Bromofluorobenzene	10.0	10.2	102	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\data\092616\
 Data File : V8003747.D
 Acq On : 26 Sep 2016 5:44 pm
 Operator : BK
 Sample : 16I0590-33
 Misc : V8092616A 8260 LOW A
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 27 10:19:20 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

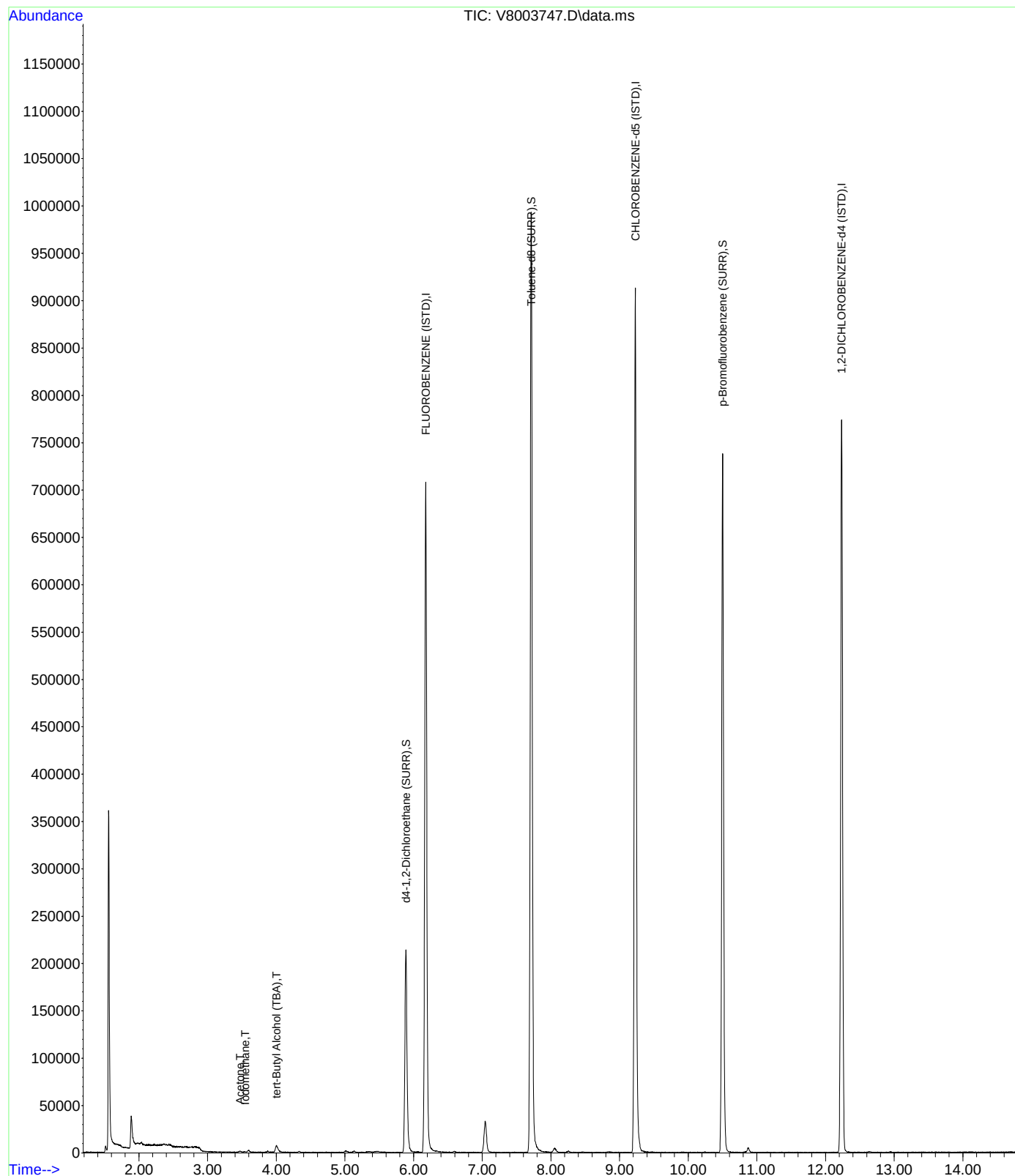
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

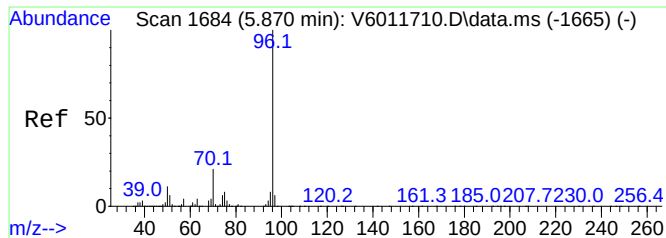
Internal Standards						
1) FLUOROBENZENE (ISTD)	6.179	70	132595	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.229	117	648118	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.233	152	263767	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.889	65	154777	10.59	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	105.90%	
51) Toluene-d8 (SURR)	7.715	98	790562	10.20	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	102.00%	
70) p-Bromofluorobenzene (...)	10.501	95	280855	10.24	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	102.40%	
Target Compounds						
6) Chloroethane	2.564	64	202	Below Cal		Qvalue 96
8) Ethanol	3.094	45	17	Below Cal		100
11) Acrolein	3.303	56	20	Below Cal	#	73
12) Acetone	3.471	43	1583	1.02 ppb		97
13) Iodomethane	3.546	142	707m	3.47 ppb		
16) tert-Butyl Alcohol (TBA)	4.001	59	8813	38.04 ppb		100
36) tert-Amyl alcohol (TAA)	5.908	59	20	Below Cal	#	1
93) Naphthalene	14.380	128	125	Below Cal	#	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\092616\
Data File : V8003747.D
Acq On : 26 Sep 2016 5:44 pm
Operator : BK
Sample : 16I0590-33
Misc : V8092616A 8260 LOW A
ALS Vial : 7 Sample Multiplier: 1

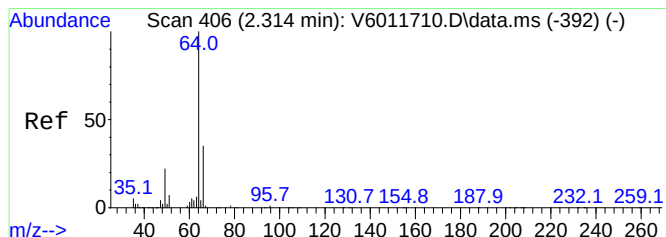
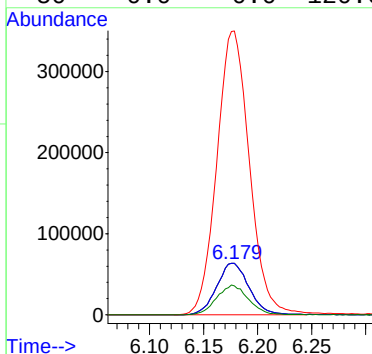
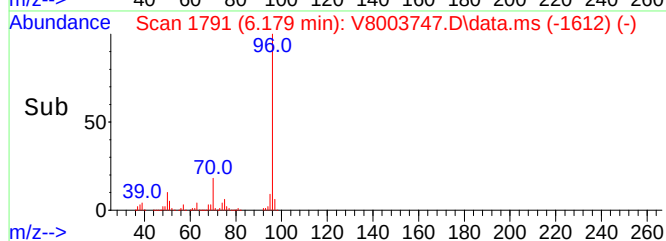
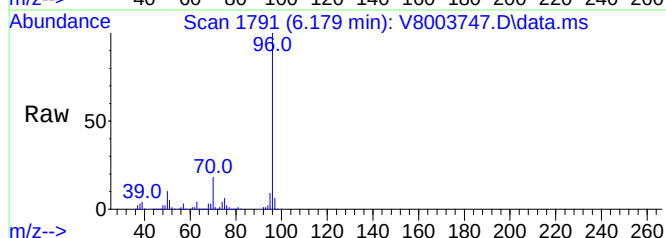
Quant Time: Sep 27 10:19:20 2016
Quant Method : C:\msdchem\1\methods\V8L00015.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Thu Sep 15 08:36:22 2016
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Response via : Initial Calibration





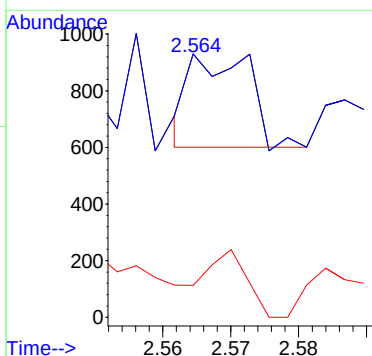
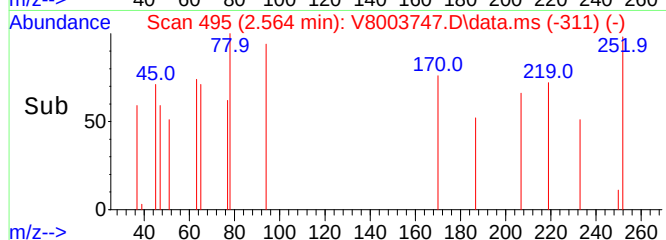
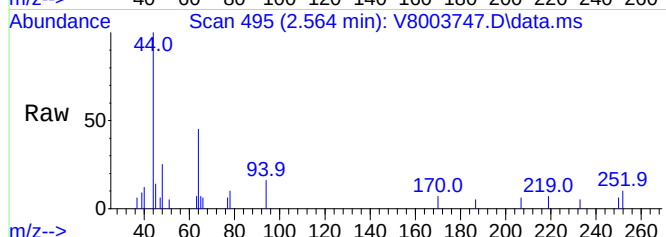
#1
 FLUOROBENZENE (ISTD)
 Concen: 10.00 ppb
 RT: 6.179 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: V8003747.D
 Acq: 26 Sep 2016 5:44 pm

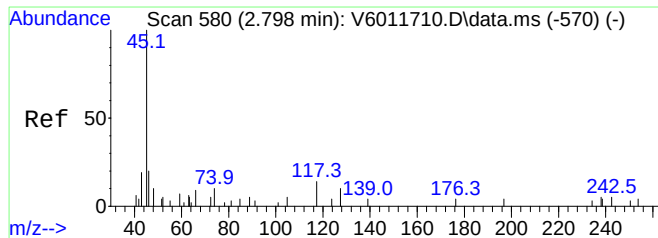
Tgt Ion: 70 Resp: 132595
 Ion Ratio Lower Upper
 70 100
 70 100.0 65.0 135.0
 96 555.6 343.3 713.1
 50 0.0 0.0 120.6



#6
 Chloroethane
 Concen: Below Cal
 RT: 2.564 min Scan# 495
 Delta R.T. 0.013 min
 Lab File: V8003747.D
 Acq: 26 Sep 2016 5:44 pm

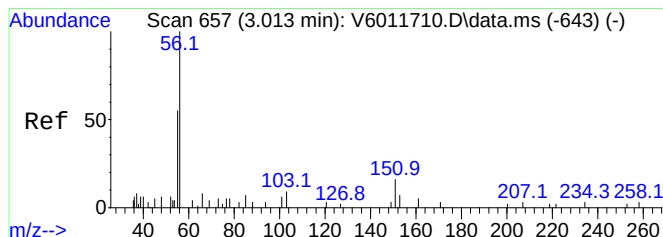
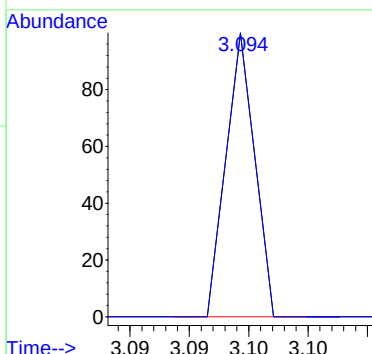
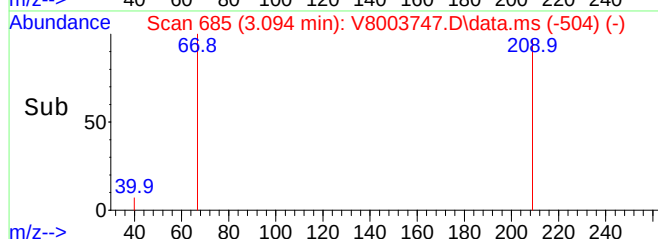
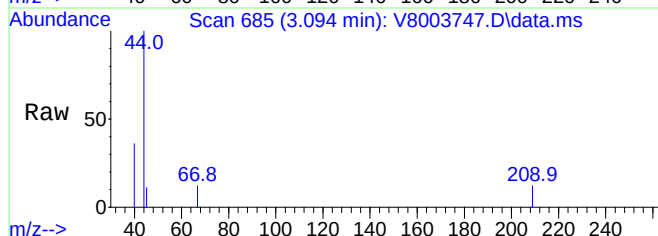
Tgt Ion: 64 Resp: 202
 Ion Ratio Lower Upper
 64 100
 64 100.0 65.0 135.0
 66 45.0 22.7 47.3





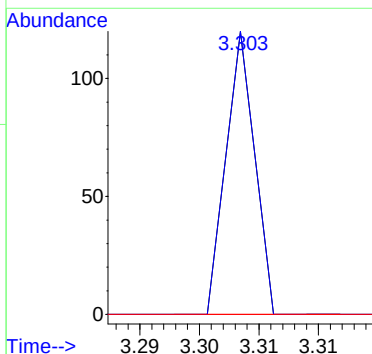
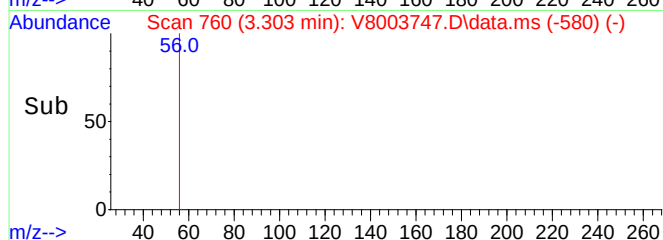
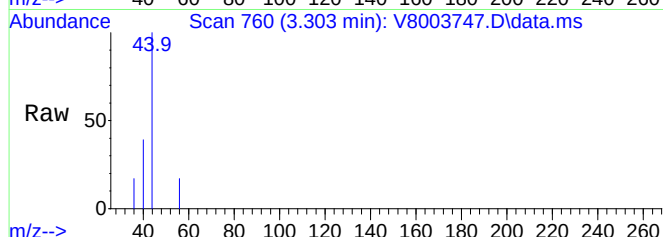
#8
Ethanol
Concen: Below Cal
RT: 3.094 min Scan# 685
Delta R.T. 0.005 min
Lab File: V8003747.D
Acq: 26 Sep 2016 5:44 pm

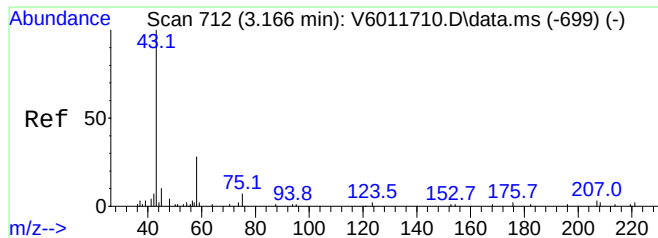
Tgt Ion: 45 Resp: 17
Ion Ratio Lower Upper
45 100
45 100.0 50.0 150.0



#11
Acrolein
Concen: Below Cal
RT: 3.303 min Scan# 760
Delta R.T. 0.002 min
Lab File: V8003747.D
Acq: 26 Sep 2016 5:44 pm

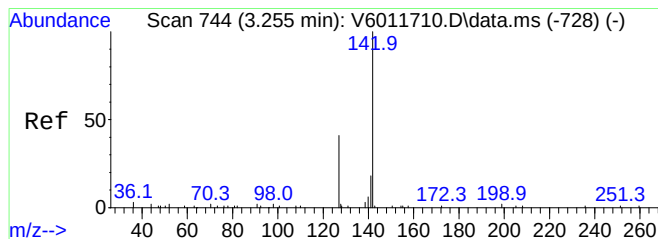
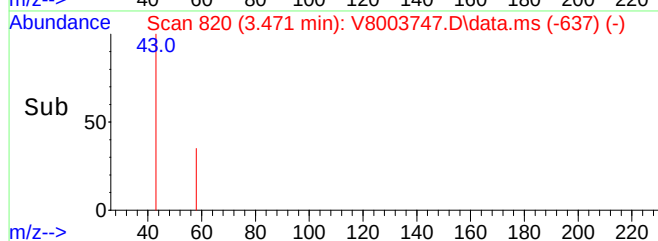
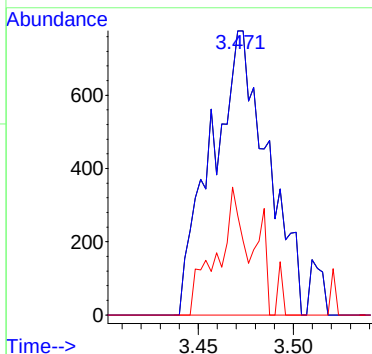
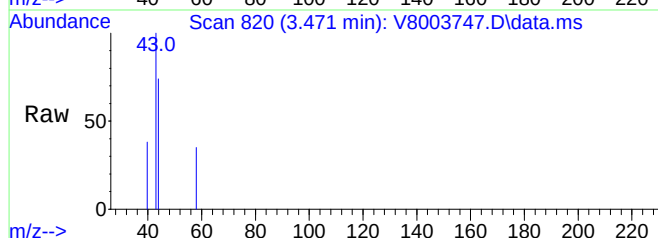
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
56 100.0 80.0 120.0
55 0.0 27.3 81.9#





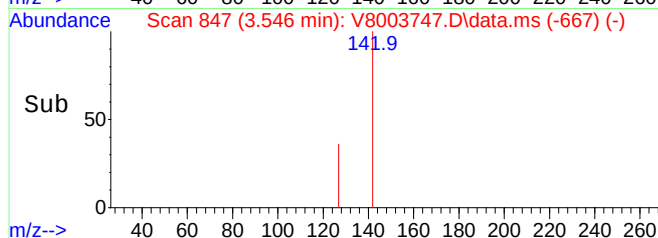
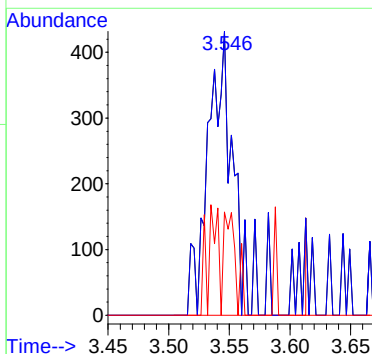
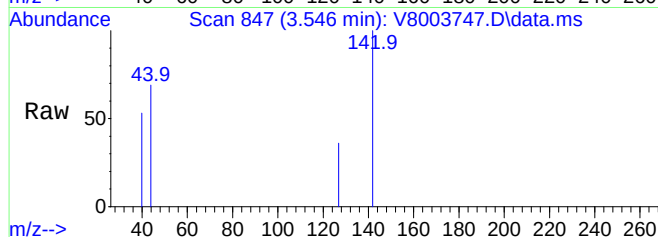
#12
Acetone
Concen: 1.02 ppb
RT: 3.471 min Scan# 820
Delta R.T. 0.011 min
Lab File: V8003747.D
Acq: 26 Sep 2016 5:44 pm

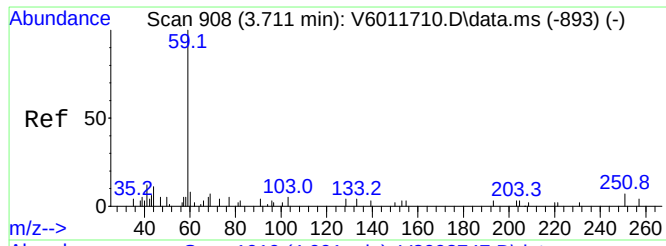
Tgt Ion: 43 Resp: 1583
Ion Ratio Lower Upper
43 100
43 100.0 80.0 120.0
58 20.9 13.9 41.6



#13
Iodomethane
Concen: 3.47 ppb m
RT: 3.546 min Scan# 847
Delta R.T. 0.003 min
Lab File: V8003747.D
Acq: 26 Sep 2016 5:44 pm

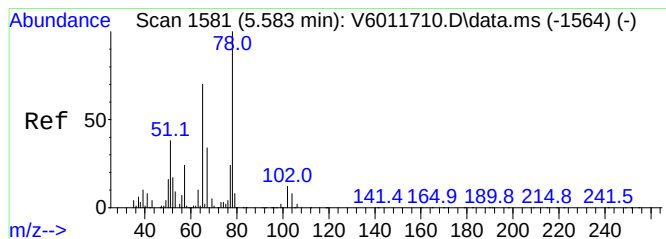
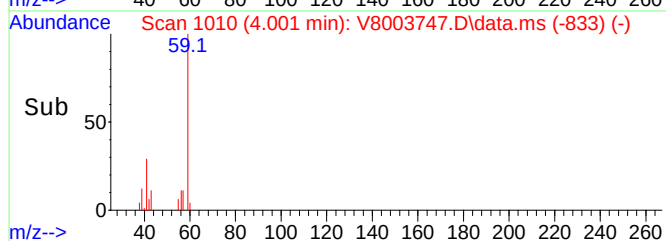
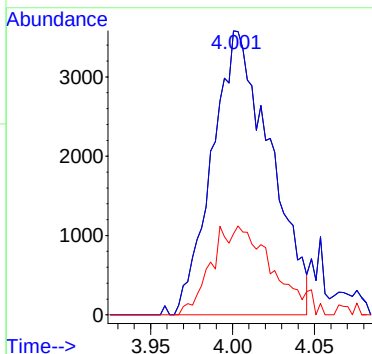
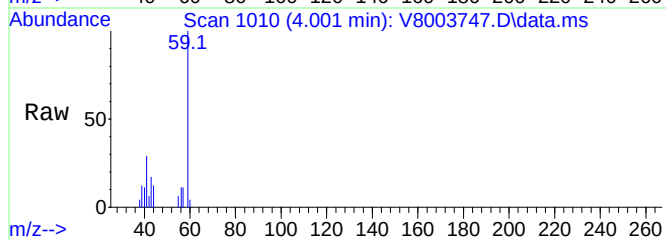
Tgt Ion: 142 Resp: 707
Ion Ratio Lower Upper
142 100
142 36.4 80.0 120.0#
127 15.6 20.8 62.2#





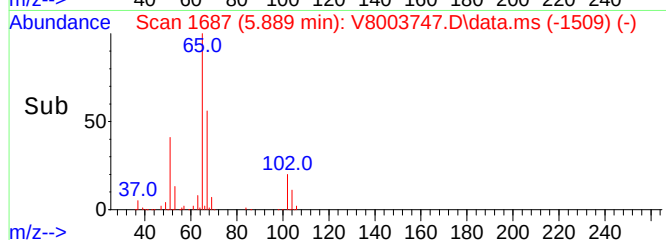
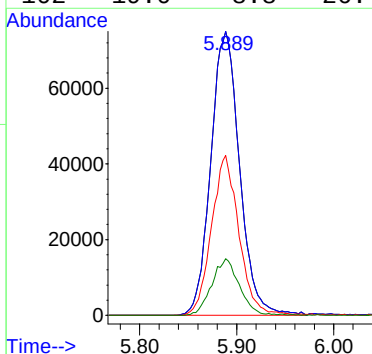
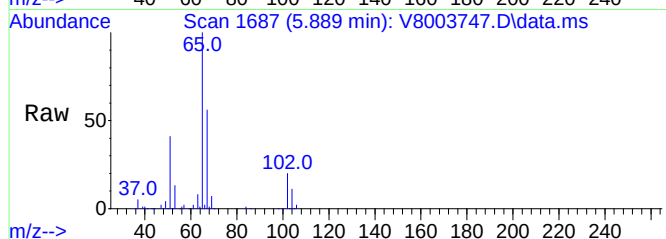
#16
tert-Butyl Alcohol (TBA)
Concen: 38.04 ppb
RT: 4.001 min Scan# 1010
Delta R.T. -0.005 min
Lab File: V8003747.D
Acq: 26 Sep 2016 5:44 pm

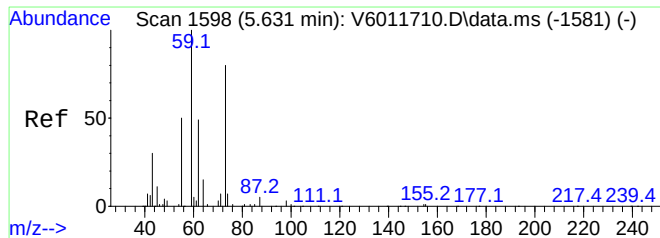
Tgt Ion: 59 Resp: 8813
Ion Ratio Lower Upper
59 100
59 100.0 65.0 135.0
41 11.1 6.0 18.0



#34
d4-1,2-Dichloroethane (SURR)
Concen: 10.59 ppb
RT: 5.889 min Scan# 1687
Delta R.T. -0.003 min
Lab File: V8003747.D
Acq: 26 Sep 2016 5:44 pm

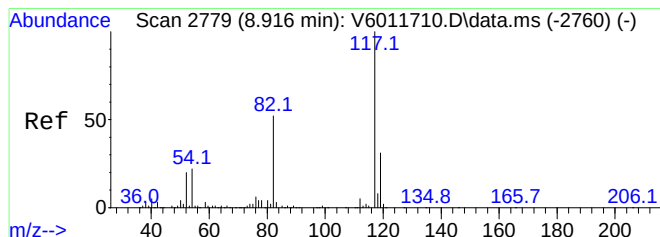
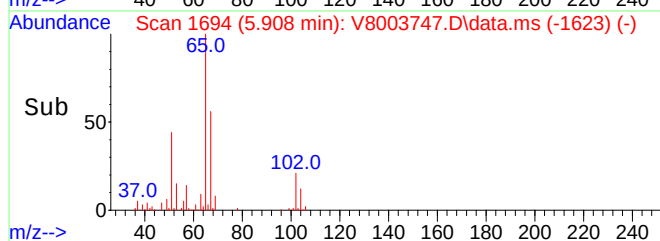
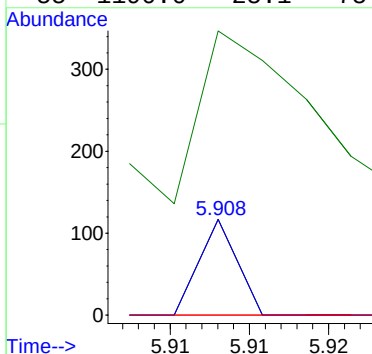
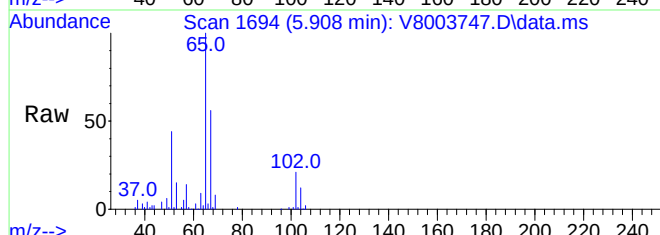
Tgt Ion: 65 Resp: 154777
Ion Ratio Lower Upper
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65 100.0 65.0 135.0
67 53.6 31.3 65.1
102 19.0 8.8 26.4





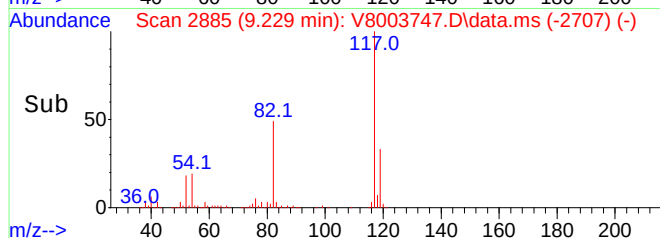
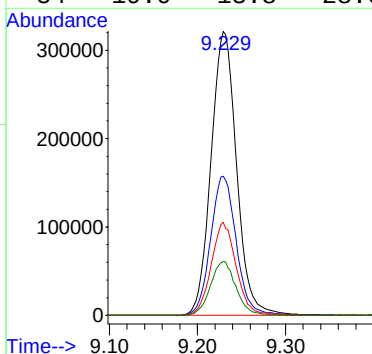
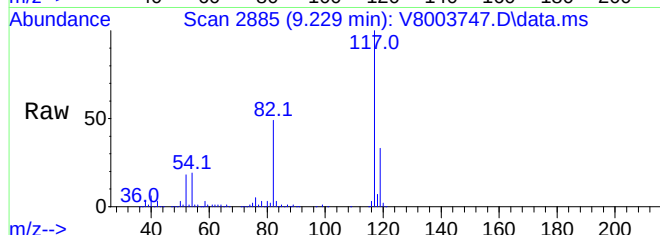
#36
tert-Amyl alcohol (TAA)
Concen: Below Cal
RT: 5.908 min Scan# 1694
Delta R.T. -0.003 min
Lab File: V8003747.D
Acq: 26 Sep 2016 5:44 pm

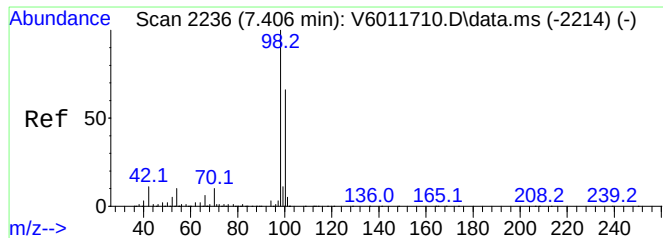
Tgt Ion:	59	Resp:	20
Ion Ratio	Lower	Upper	
59	100		
59	100.0	80.0	120.0
73	0.0	40.2	120.5#
55	1190.0	25.1	75.2#



#40
CHLOROBENZENE-d5 (ISTD)
Concen: 10.00 ppb
RT: 9.229 min Scan# 2885
Delta R.T. -0.003 min
Lab File: V8003747.D
Acq: 26 Sep 2016 5:44 pm

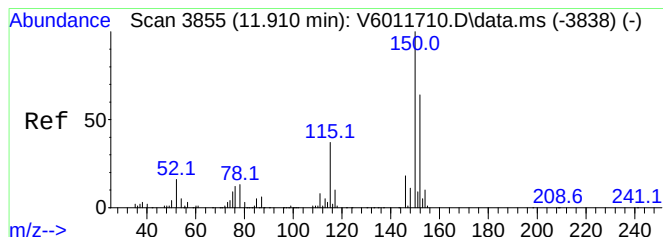
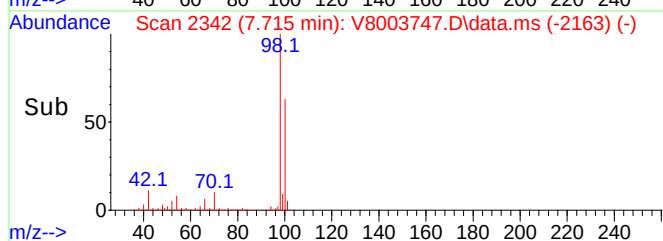
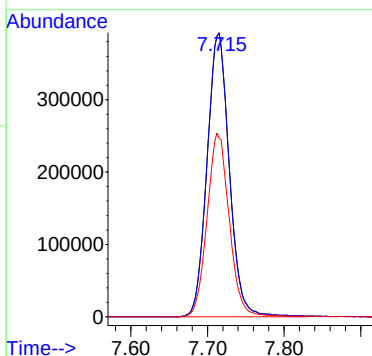
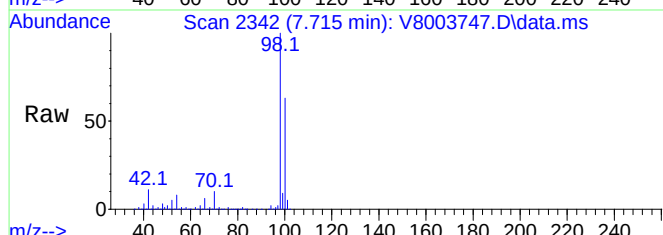
Tgt Ion:	117	Resp:	648118
Ion Ratio	Lower	Upper	
117	100		
82	49.3	34.0	70.6
119	32.1	21.5	44.7
54	19.0	13.8	28.6





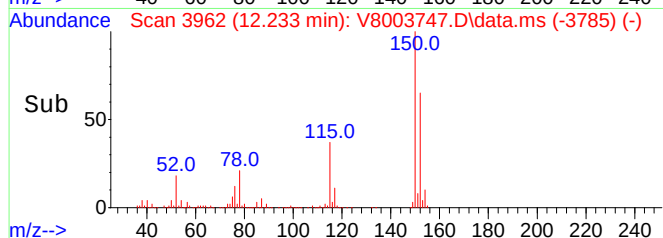
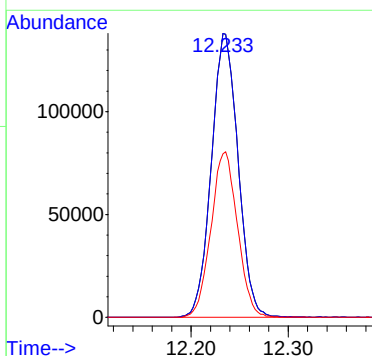
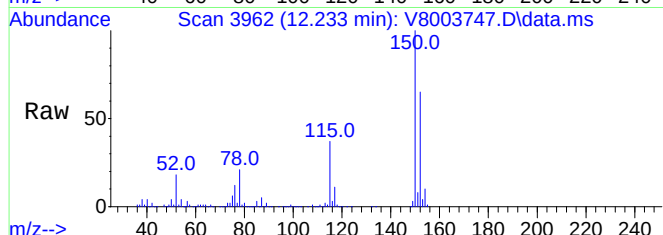
#51
Toluene-d8 (Surr)
Concen: 10.20 ppb
RT: 7.715 min Scan# 2342
Delta R.T. -0.000 min
Lab File: V8003747.D
Acq: 26 Sep 2016 5:44 pm

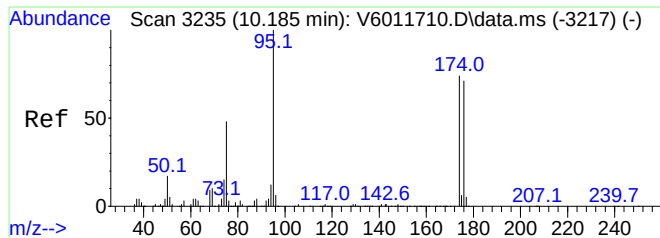
Tgt Ion: 98 Resp: 790562
Ion Ratio Lower Upper
98 100
98 100.0 65.0 135.0
100 64.4 42.8 89.0



#67
1,2-DICHLOROBENZENE-d4 (Istd)
Concen: 10.00 ppb
RT: 12.233 min Scan# 3962
Delta R.T. -0.006 min
Lab File: V8003747.D
Acq: 26 Sep 2016 5:44 pm

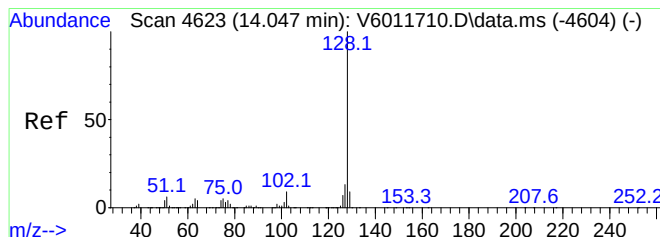
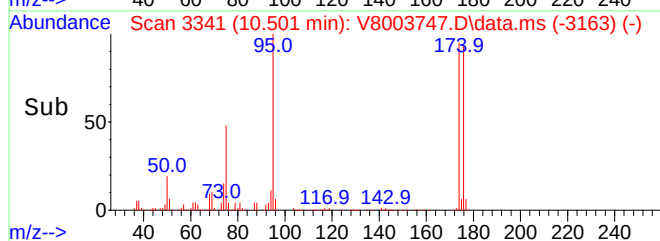
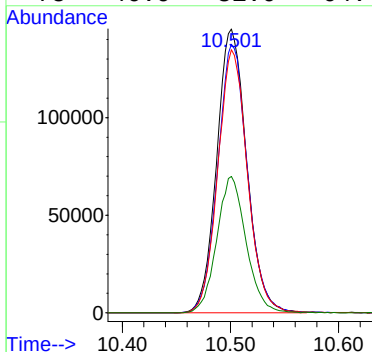
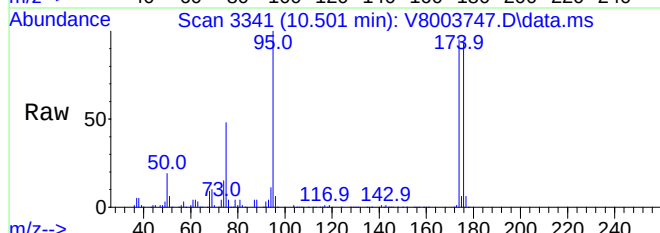
Tgt Ion: 152 Resp: 263767
Ion Ratio Lower Upper
152 100
152 100.0 50.0 150.0
115 58.1 31.5 94.5





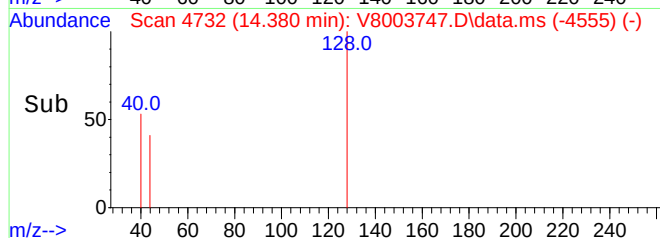
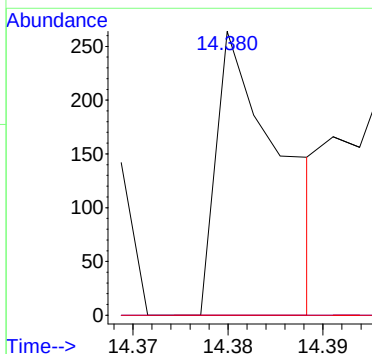
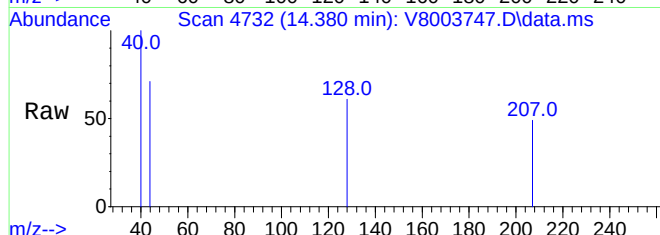
#70
p-Bromofluorobenzene (Surr)
Concen: 10.24 ppb
RT: 10.501 min Scan# 3341
Delta R.T. -0.003 min
Lab File: V8003747.D
Acq: 26 Sep 2016 5:44 pm

Tgt Ion:	95	Resp:	280855
Ion Ratio	Lower	Upper	
95	100		
174	93.7	47.8	99.4
176	91.4	46.3	96.1
75	46.9	31.0	64.4



#93
Naphthalene
Concen: Below Cal
RT: 14.380 min Scan# 4732
Delta R.T. -0.006 min
Lab File: V8003747.D
Acq: 26 Sep 2016 5:44 pm

Tgt Ion:	128	Resp:	125
Ion Ratio	Lower	Upper	
128	100		
127	0.0	8.5	17.6#
129	0.0	6.1	12.7#



FORM I

ORGANIC ANALYSIS DATA SHEET

RW-3

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-34 File ID: V8003748.D
 Sampled: 09/13/16 16:40 Prepared: 09/26/16 08:33 Analyzed: 09/26/16 18:12
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61212 Sequence: Y612703 Calibration: YI60005 Instrument: VOA No. 8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

RW-3

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-34 File ID: V8003748.D
 Sampled: 09/13/16 16:40 Prepared: 09/26/16 08:33 Analyzed: 09/26/16 18:12
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61212 Sequence: Y612703 Calibration: YI60005 Instrument: VOA No. 8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.5	105	69 - 130	
Toluene-d8	10.0	10.2	102	81 - 117	
p-Bromofluorobenzene	10.0	10.3	103	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\data\092616\
 Data File : V8003748.D
 Acq On : 26 Sep 2016 6:12 pm
 Operator : BK
 Sample : 16I0590-34
 Misc : V8092616A 8260 LOW A
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 27 10:20:39 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

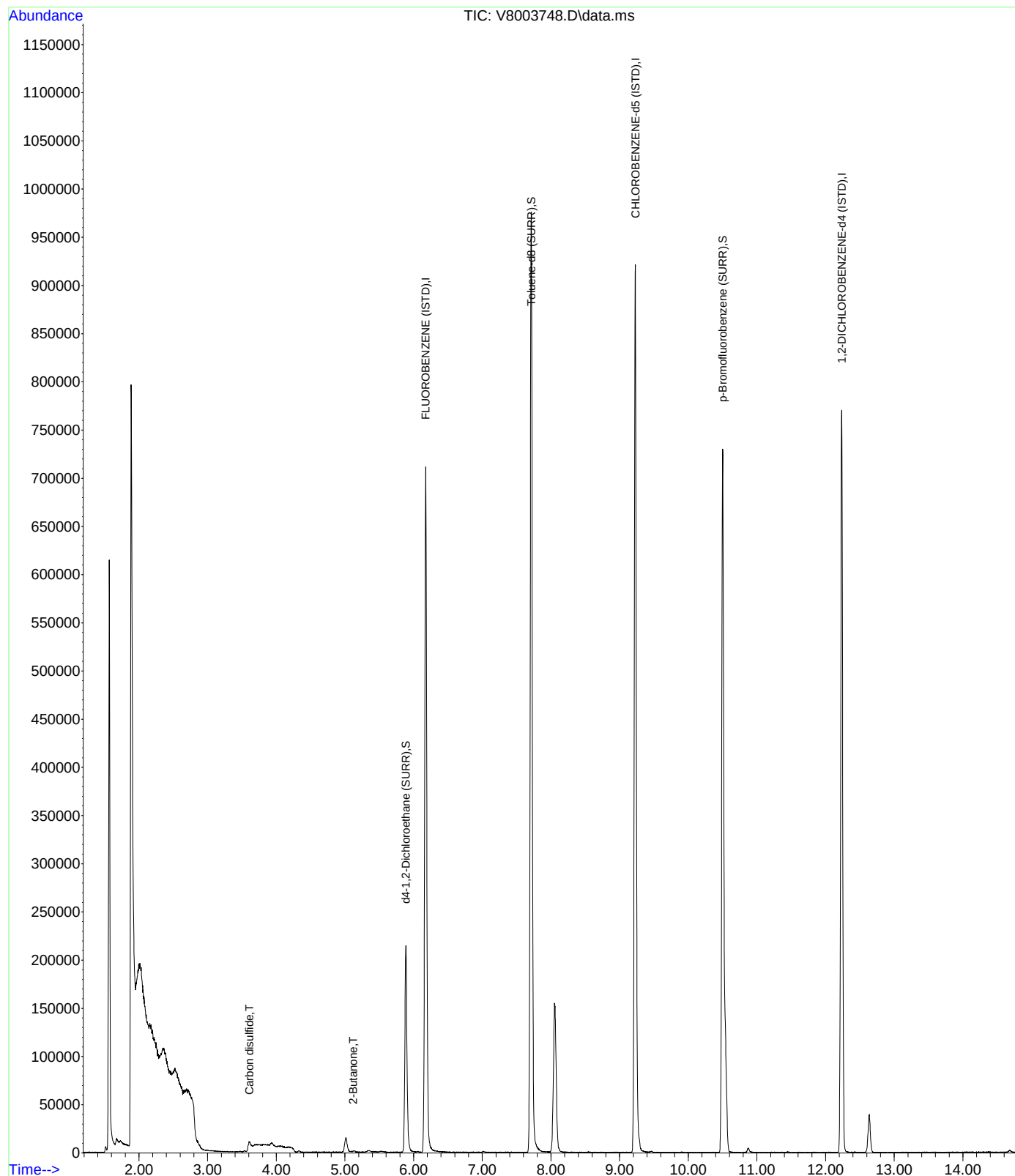
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

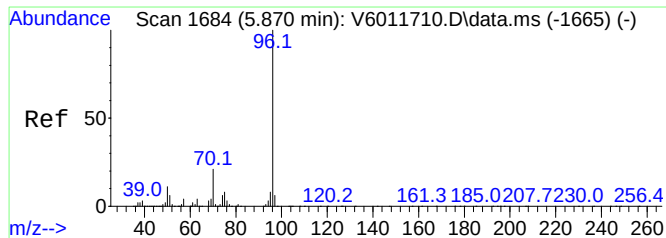
Internal Standards						
1) FLUOROBENZENE (ISTD)	6.176	70	133149	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.229	117	640002	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.235	152	259402	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.886	65	154464	10.52	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	105.20%	
51) Toluene-d8 (SURR)	7.715	98	776489	10.15	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	101.50%	
70) p-Bromofluorobenzene (...)	10.501	95	278000	10.31	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	103.10%	
Target Compounds						
8) Ethanol	3.089	45	63	Below Cal		Qvalue 100
11) Acrolein	3.473	56	31	Below Cal	#	73
15) Carbon disulfide	3.604	76	24190	1.04	ppb	# 98
16) tert-Butyl Alcohol (TBA)	4.000	59	52	Below Cal	#	97
26) 2-Butanone	5.119	72	316m	0.47	ppb	
36) tert-Amyl alcohol (TAA)	5.894	59	156	Below Cal	#	48
93) Naphthalene	14.383	128	253	Below Cal	#	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\092616\
Data File : V8003748.D
Acq On : 26 Sep 2016 6:12 pm
Operator : BK
Sample : 16I0590-34
Misc : V8092616A 8260 LOW A
ALS Vial : 8 Sample Multiplier: 1

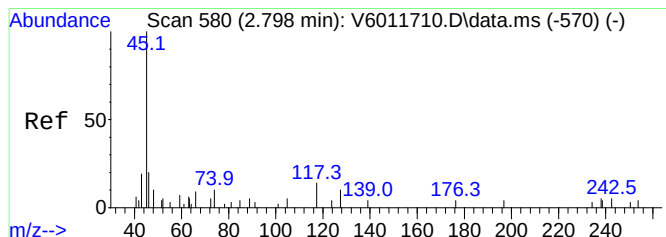
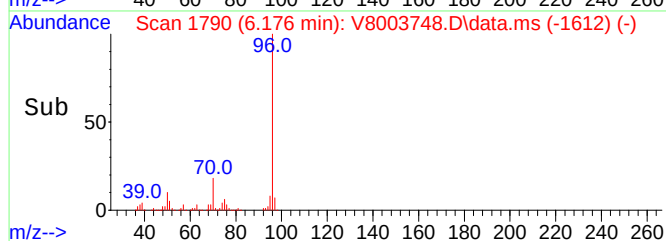
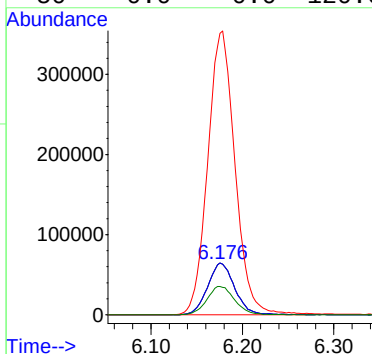
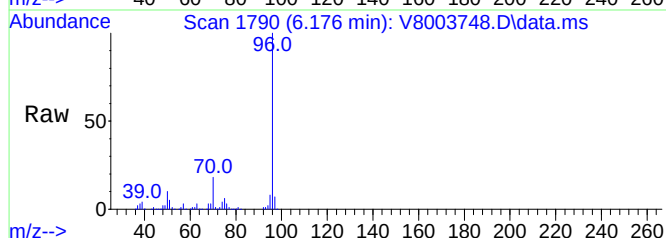
Quant Time: Sep 27 10:20:39 2016
Quant Method : C:\msdchem\1\methods\V8L00015.M
Quant Title : Volatile Organics EPA 8260C
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InstName : VOA No. 8
Response via : Initial Calibration





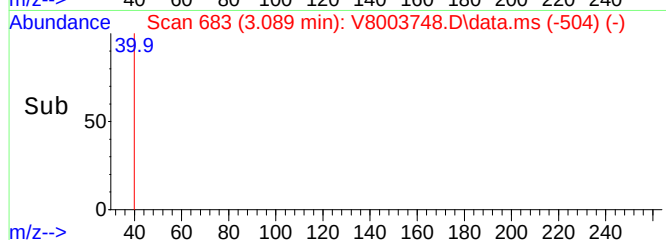
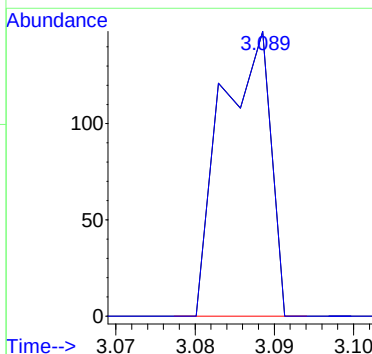
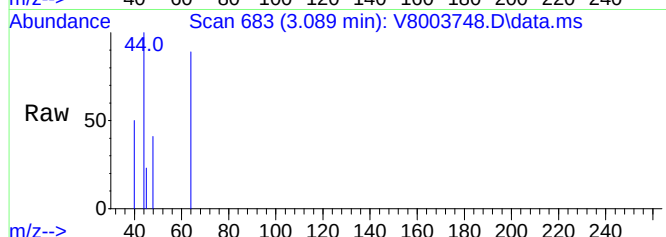
#1
 FLUOROBENZENE (ISTD)
 Concen: 10.00 ppb
 RT: 6.176 min Scan# 1790
 Delta R.T. -0.003 min
 Lab File: V8003748.D
 Acq: 26 Sep 2016 6:12 pm

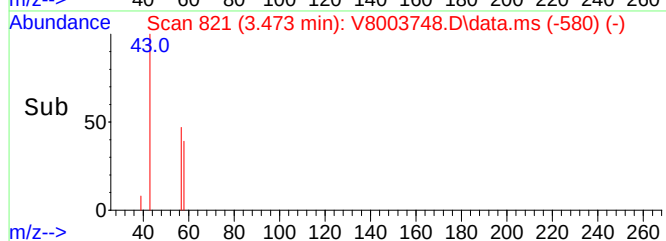
Tgt Ion: 70 Resp: 133149
 Ion Ratio Lower Upper
 70 100
 70 100.0 65.0 135.0
 96 549.4 343.3 713.1
 50 0.0 0.0 120.6



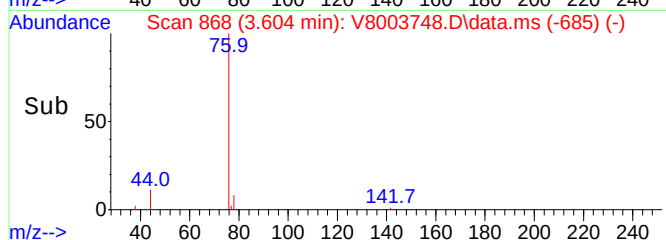
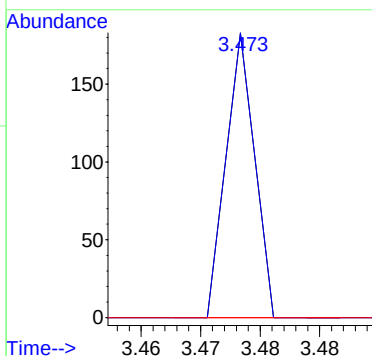
#8
 Ethanol
 Concen: Below Cal
 RT: 3.089 min Scan# 683
 Delta R.T. -0.000 min
 Lab File: V8003748.D
 Acq: 26 Sep 2016 6:12 pm

Tgt Ion: 45 Resp: 63
 Ion Ratio Lower Upper
 45 100
 45 100.0 50.0 150.0

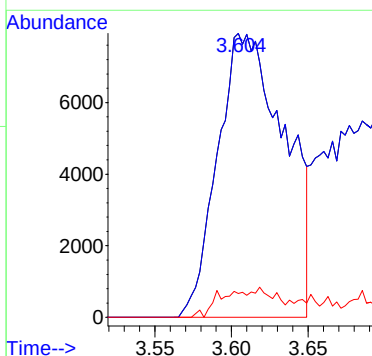


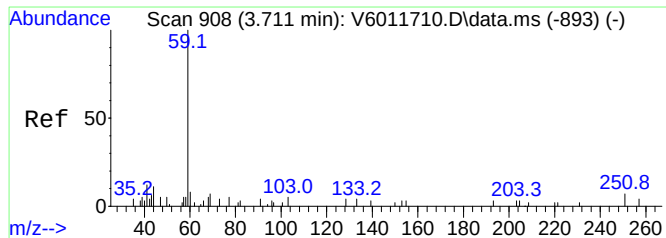


Tgt	Ion: 56	Resp:	31
Ion	Ratio	Lower	Upper
56	100		
56	100.0	80.0	120.0
55	0.0	27.3	81.9#



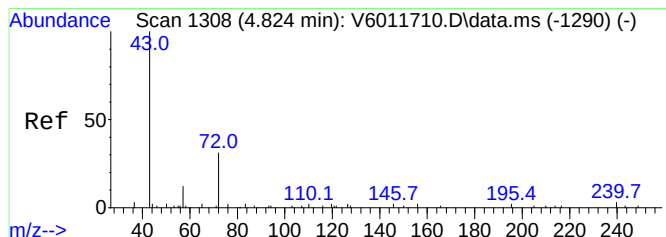
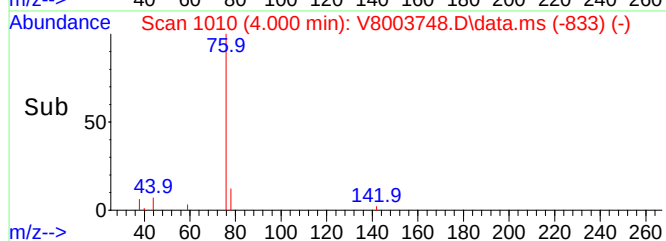
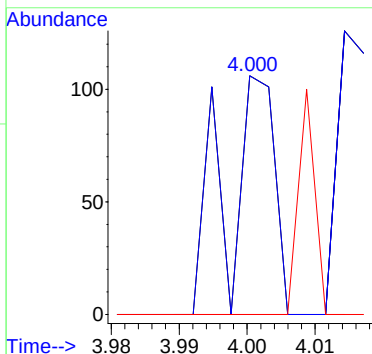
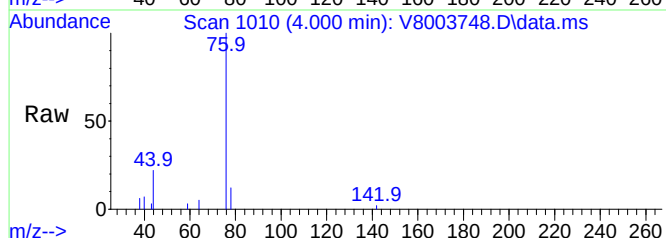
Tgt	Ion: 76	Resp:	24190
Ion	Ratio	Lower	Upper
76	100		
76	100.0	65.0	135.0
78	0.6	4.7	14.0#





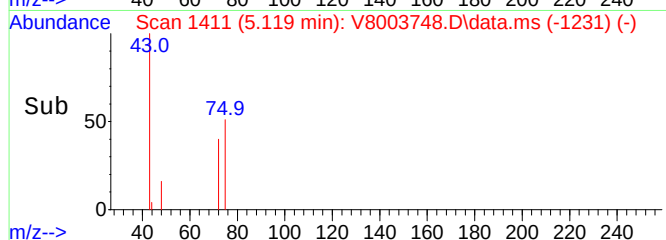
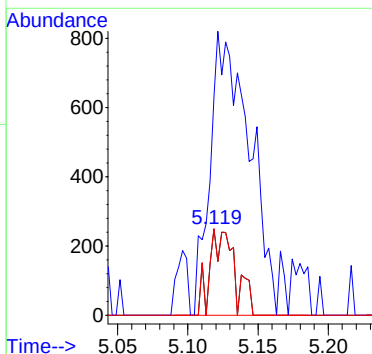
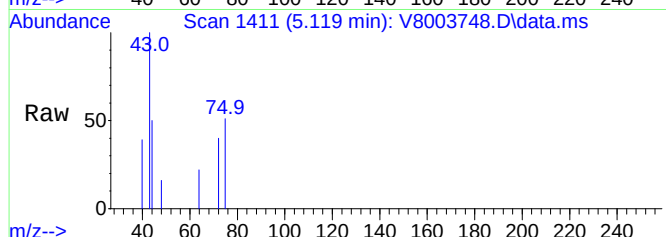
#16
tert-Butyl Alcohol (TBA)
Concen: Below Cal
RT: 4.000 min Scan# 1010
Delta R.T. -0.006 min
Lab File: V8003748.D
Acq: 26 Sep 2016 6:12 pm

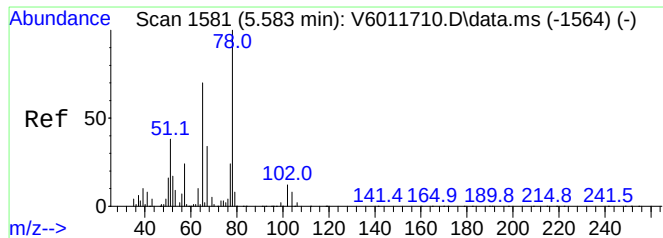
Tgt Ion: 59 Resp: 52
Ion Ratio Lower Upper
59 100
59 100.0 65.0 135.0
41 0.0 6.0 18.0#



#26
2-Butanone
Concen: 0.47 ppb m
RT: 5.119 min Scan# 1411
Delta R.T. 0.003 min
Lab File: V8003748.D
Acq: 26 Sep 2016 6:12 pm

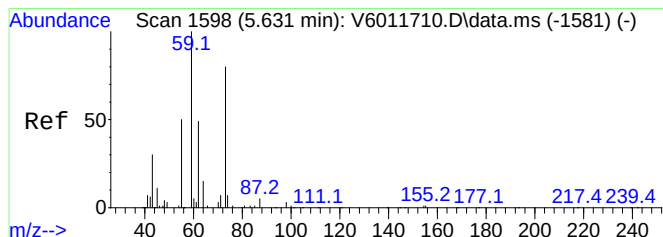
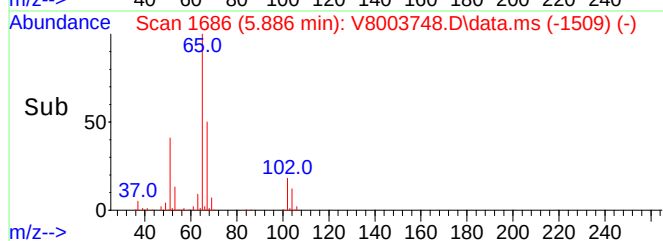
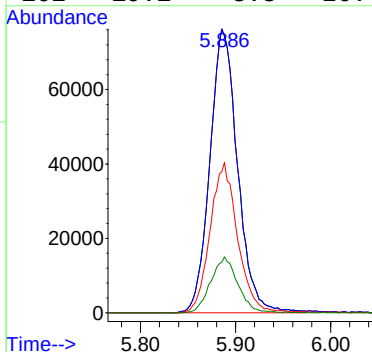
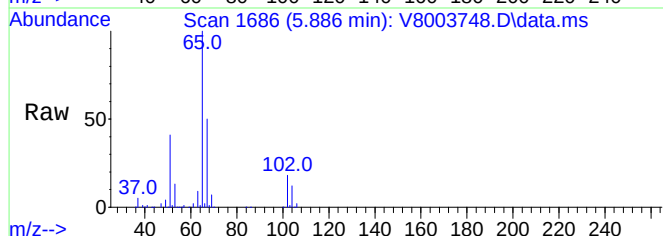
Tgt Ion: 72 Resp: 316
Ion Ratio Lower Upper
72 100
43 31.6 260.7 391.1#
72 82.6 50.0 150.0





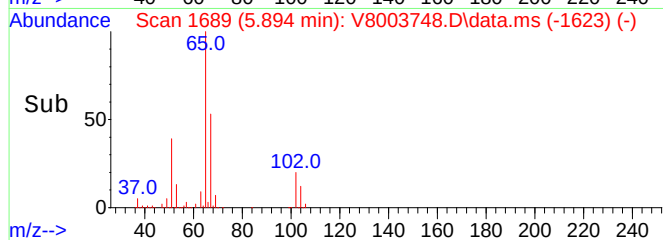
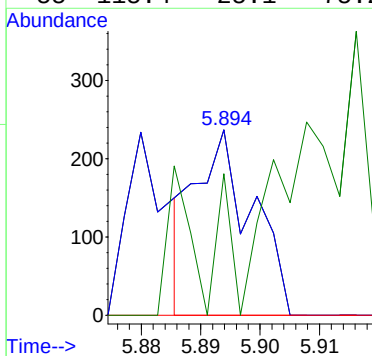
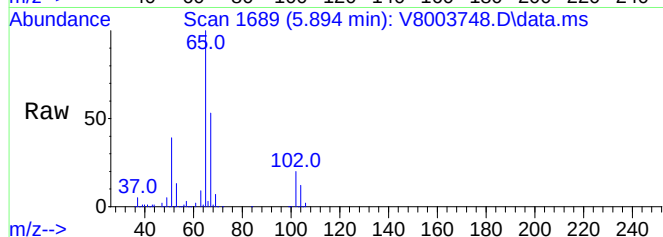
#34
d4-1,2-Dichloroethane (SURR)
Concen: 10.52 ppb
RT: 5.886 min Scan# 1686
Delta R.T. -0.006 min
Lab File: V8003748.D
Acq: 26 Sep 2016 6:12 pm

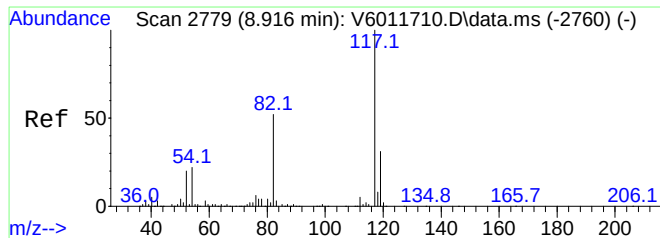
Tgt Ion: 65 Resp: 154464
Ion Ratio Lower Upper
65 100
65 100.0 65.0 135.0
67 52.3 31.3 65.1
102 19.1 8.8 26.4



#36
tert-Amyl alcohol (TAA)
Concen: Below Cal
RT: 5.894 min Scan# 1689
Delta R.T. -0.017 min
Lab File: V8003748.D
Acq: 26 Sep 2016 6:12 pm

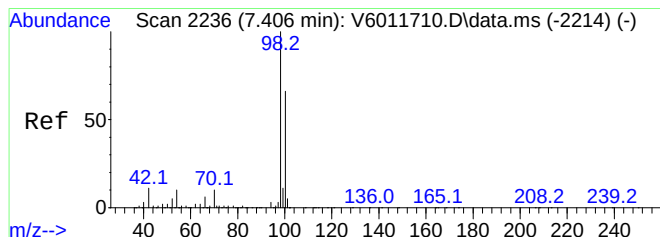
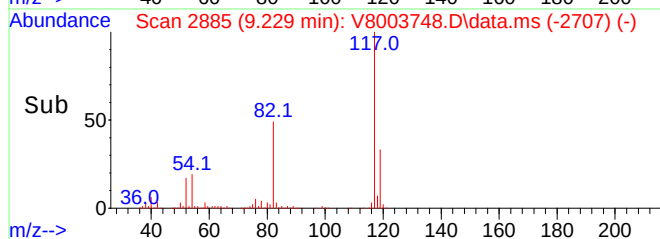
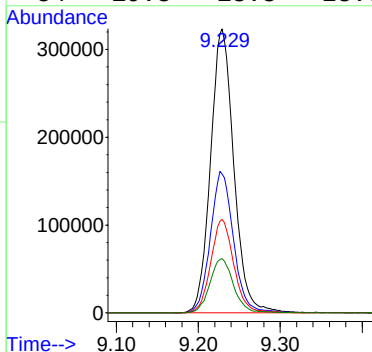
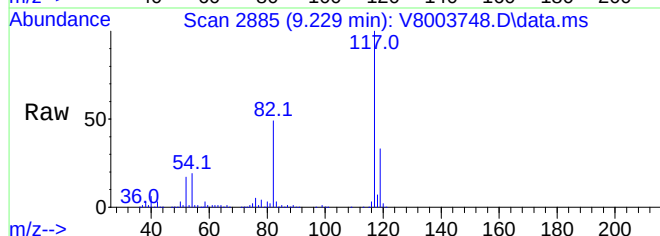
Tgt Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
59 100.0 80.0 120.0
73 0.0 40.2 120.5#
55 115.4 25.1 75.2#





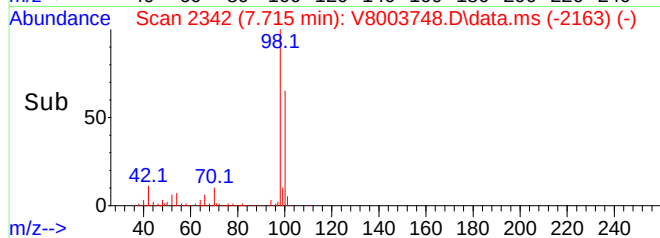
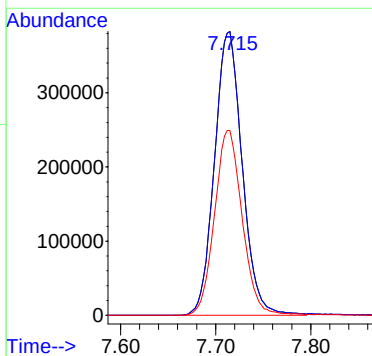
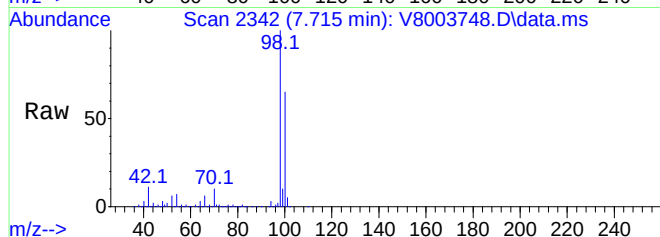
#40
 CHLOROBENZENE-d5 (ISTD)
 Concen: 10.00 ppb
 RT: 9.229 min Scan# 2885
 Delta R.T. -0.003 min
 Lab File: V8003748.D
 Acq: 26 Sep 2016 6:12 pm

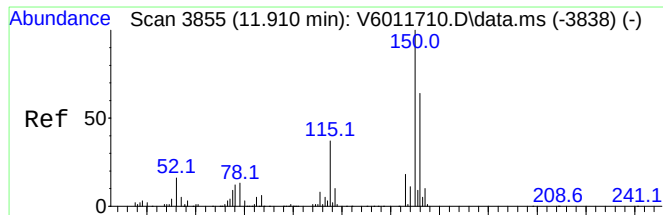
Tgt Ion:	117	Resp:	640002
Ion Ratio	Lower	Upper	
117	100		
82	49.4	34.0	70.6
119	32.6	21.5	44.7
54	19.3	13.8	28.6



#51
 Toluene-d8 (SURR)
 Concen: 10.15 ppb
 RT: 7.715 min Scan# 2342
 Delta R.T. -0.000 min
 Lab File: V8003748.D
 Acq: 26 Sep 2016 6:12 pm

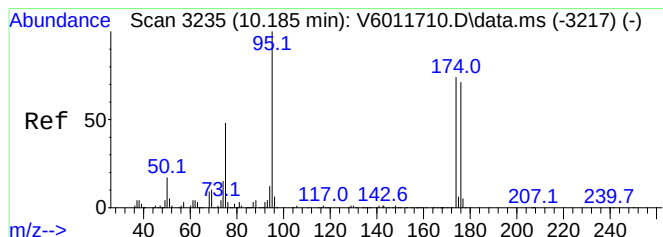
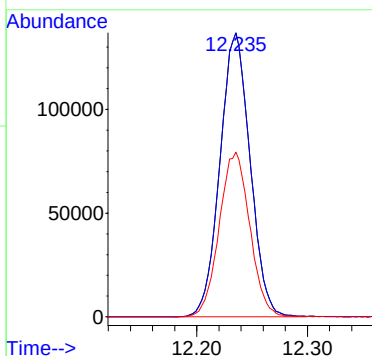
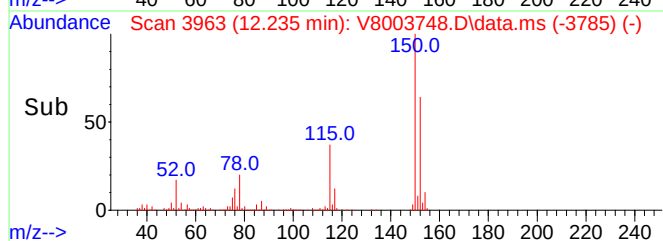
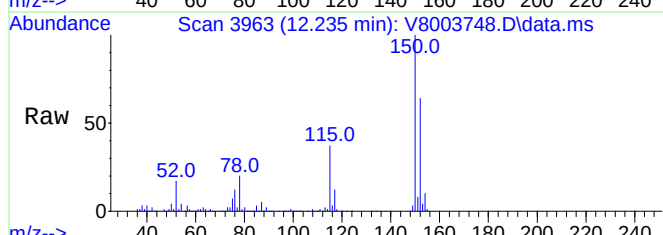
Tgt Ion:	98	Resp:	776489
Ion Ratio	Lower	Upper	
98	100		
98	100.0	65.0	135.0
100	64.9	42.8	89.0





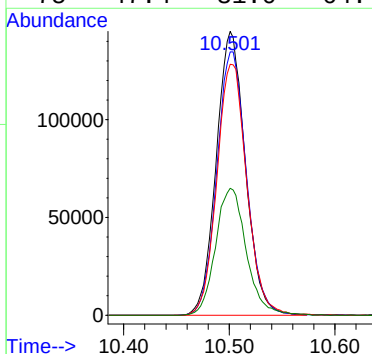
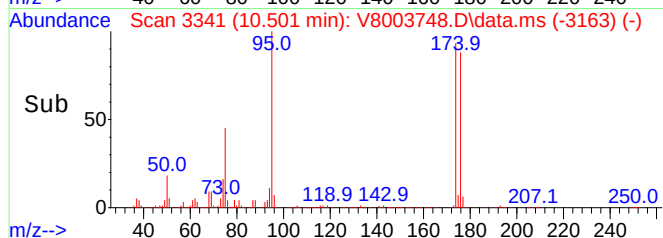
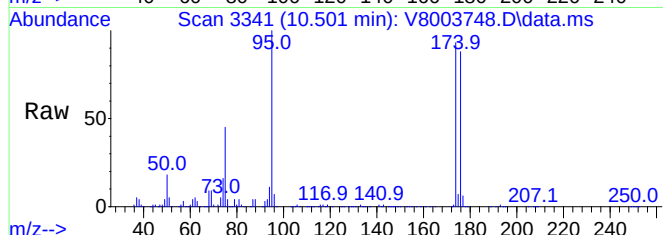
#67
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 10.00 ppb
RT: 12.235 min Scan# 3963
Delta R.T. -0.003 min
Lab File: V8003748.D
Acq: 26 Sep 2016 6:12 pm

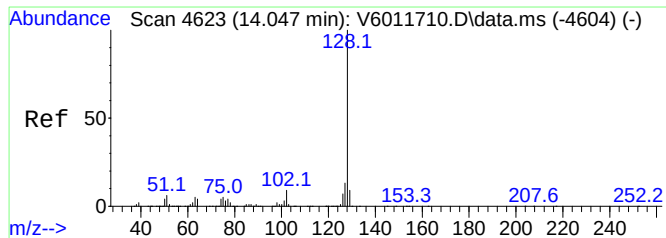
Tgt Ion: 152 Resp: 259402
Ion Ratio Lower Upper
152 100
152 100.0 50.0 150.0
115 58.8 31.5 94.5



#70
p-Bromofluorobenzene (SURR)
Concen: 10.31 ppb
RT: 10.501 min Scan# 3341
Delta R.T. -0.003 min
Lab File: V8003748.D
Acq: 26 Sep 2016 6:12 pm

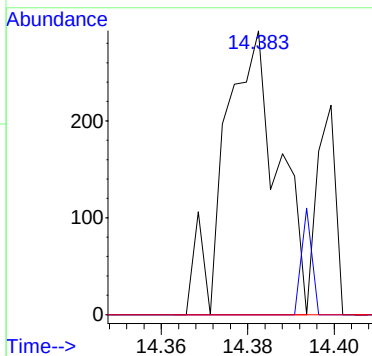
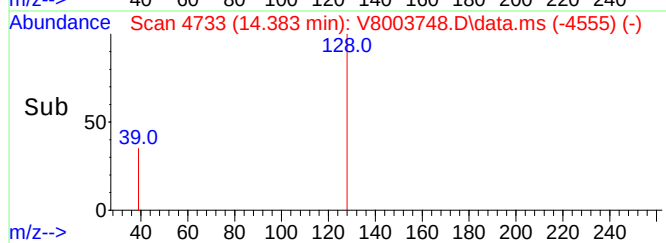
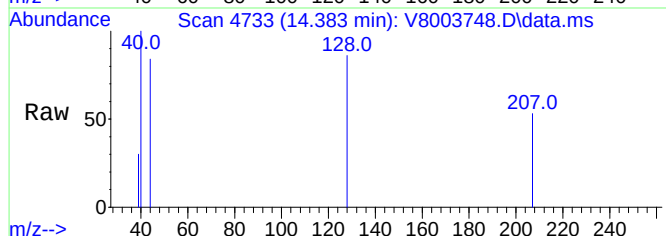
Tgt Ion: 95 Resp: 278000
Ion Ratio Lower Upper
95 100
174 94.5 47.8 99.4
176 91.0 46.3 96.1
75 47.4 31.0 64.4





#93
 Naphthalene
 Concen: Below Cal
 RT: 14.383 min Scan# 4733
 Delta R.T. -0.003 min
 Lab File: V8003748.D
 Acq: 26 Sep 2016 6:12 pm

Tgt Ion:	128	Resp:	253
Ion Ratio	Lower	Upper	
128	100		
127	0.0	8.5	17.6#
129	0.0	6.1	12.7#



FORM I

ORGANIC ANALYSIS DATA SHEET

RW-4

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-35 File ID: V8003749.D
 Sampled: 09/13/16 16:50 Prepared: 09/26/16 08:33 Analyzed: 09/26/16 18:40
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61212 Sequence: Y612703 Calibration: YI60005 Instrument: VOA No. 8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	1.8	J
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

RW-4

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-35 File ID: V8003749.D
 Sampled: 09/13/16 16:50 Prepared: 09/26/16 08:33 Analyzed: 09/26/16 18:40
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61212 Sequence: Y612703 Calibration: YI60005 Instrument: VOA No. 8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.2	102	69 - 130	
Toluene-d8	10.0	10.2	102	81 - 117	
p-Bromofluorobenzene	10.0	10.4	104	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\data\092616\
 Data File : V8003749.D
 Acq On : 26 Sep 2016 6:40 pm
 Operator : BK
 Sample : 16I0590-35
 Misc : V8092616A 8260 LOW AF A
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 27 10:21:31 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

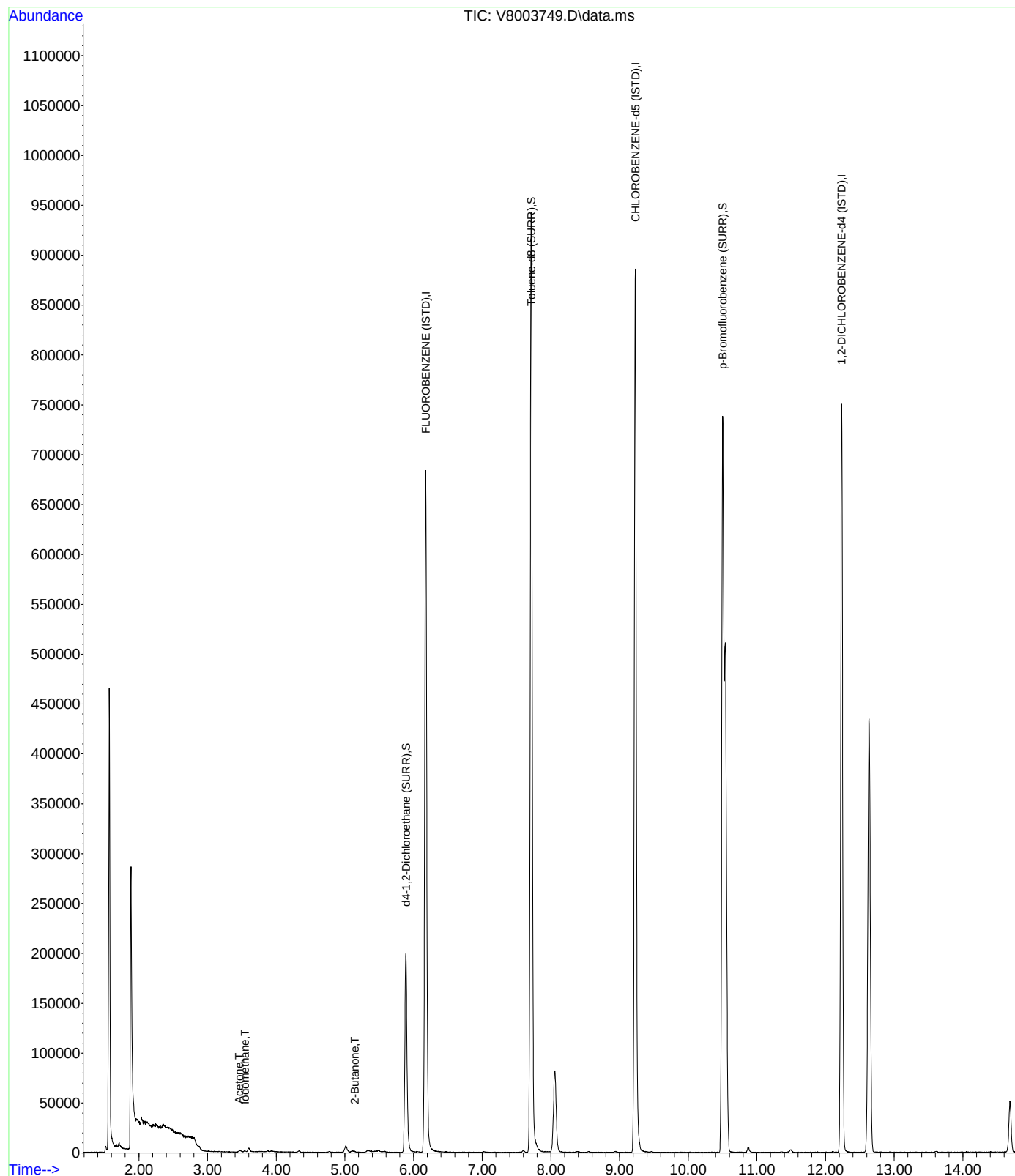
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

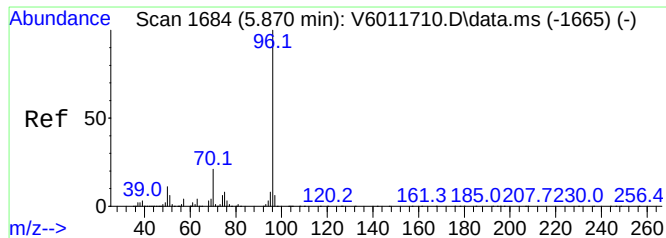
Internal Standards						
1) FLUOROBENZENE (ISTD)	6.179	70	128066	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.229	117	618354	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.233	152	253430	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.889	65	144223	10.21	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.10%	
51) Toluene-d8 (SURR)	7.712	98	757957	10.25	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.50%	
70) p-Bromofluorobenzene (...)	10.501	95	273276	10.37	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.70%	
Target Compounds						
						Qvalue
8) Ethanol	3.094	45	21	Below Cal		100
11) Acrolein	2.866	56	18	Below Cal	#	80
12) Acetone	3.460	43	2645m	1.76	ppb	
13) Iodomethane	3.541	142	1794	3.62	ppb	96
16) tert-Butyl Alcohol (TBA)	3.928	59	290	Below Cal		99
26) 2-Butanone	5.144	72	352m	0.54	ppb	
36) tert-Amyl alcohol (TAA)	5.886	59	120	Below Cal	#	20
93) Naphthalene	14.388	128	69	Below Cal	#	70
94) 1,2,3-Trichlorobenzene	14.673	180	19	Below Cal	#	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\092616\
Data File : V8003749.D
Acq On : 26 Sep 2016 6:40 pm
Operator : BK
Sample : 16I0590-35
Misc : V8092616A 8260 LOW AF A
ALS Vial : 9 Sample Multiplier: 1

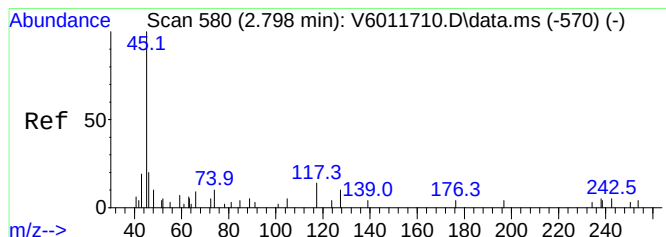
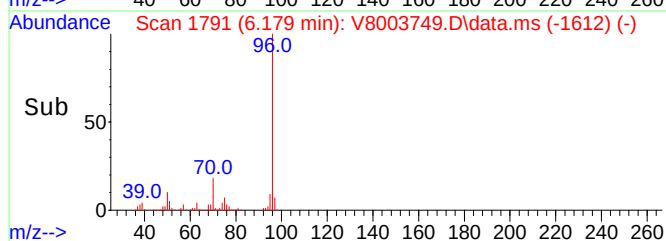
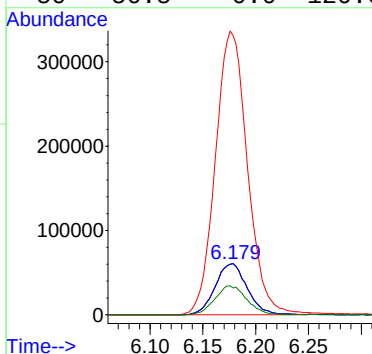
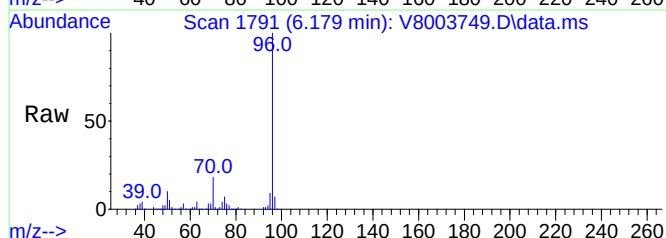
Quant Time: Sep 27 10:21:31 2016
Quant Method : C:\msdchem\1\methods\V8L00015.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Thu Sep 15 08:36:22 2016
InstName : VOA No. 8
Response via : Initial Calibration





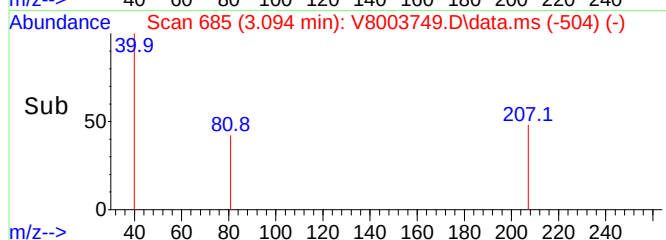
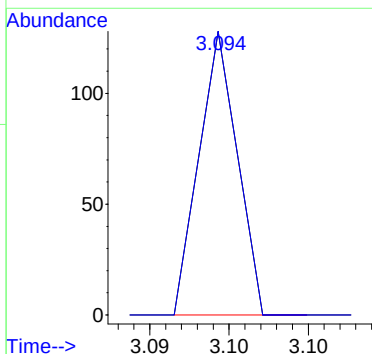
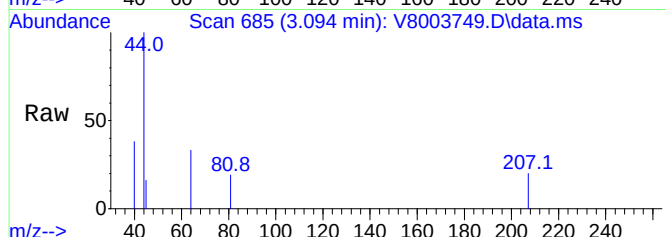
#1
 FLUOROBENZENE (ISTD)
 Concen: 10.00 ppb
 RT: 6.179 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: V8003749.D
 Acq: 26 Sep 2016 6:40 pm

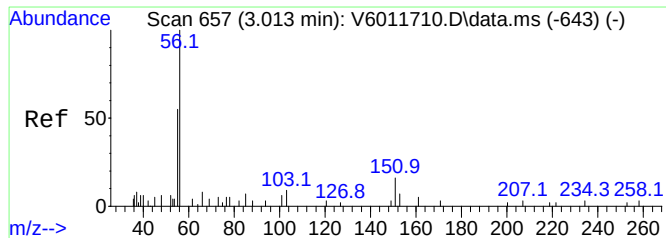
Tgt Ion: 70 Resp: 128066
 Ion Ratio Lower Upper
 70 100
 70 100.0 65.0 135.0
 96 557.0 343.3 713.1
 50 56.5 0.0 120.6



#8
 Ethanol
 Concen: Below Cal
 RT: 3.094 min Scan# 685
 Delta R.T. 0.005 min
 Lab File: V8003749.D
 Acq: 26 Sep 2016 6:40 pm

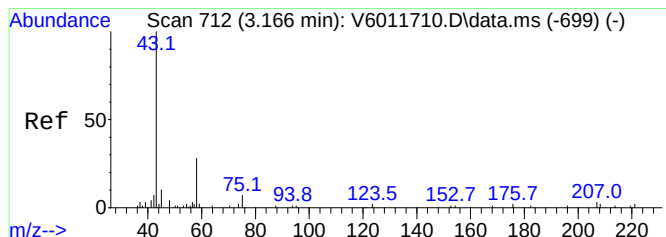
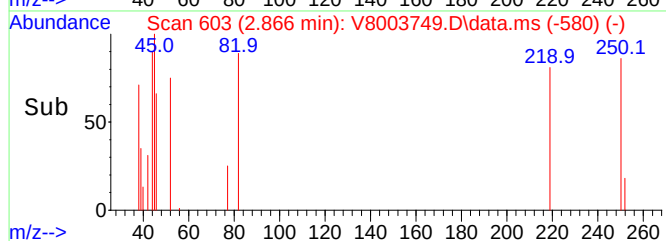
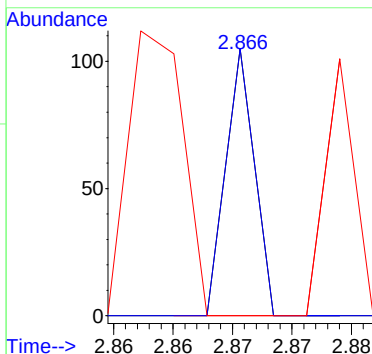
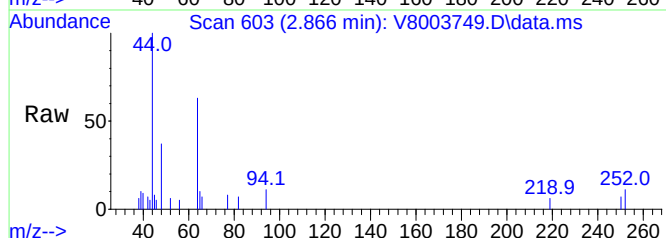
Tgt Ion: 45 Resp: 21
 Ion Ratio Lower Upper
 45 100
 45 100.0 50.0 150.0





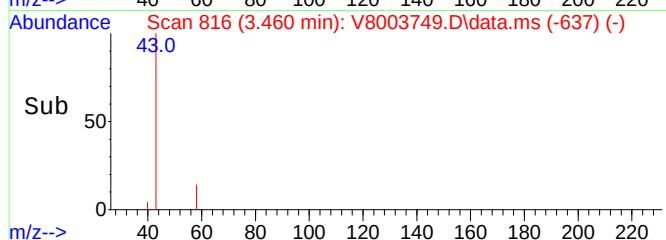
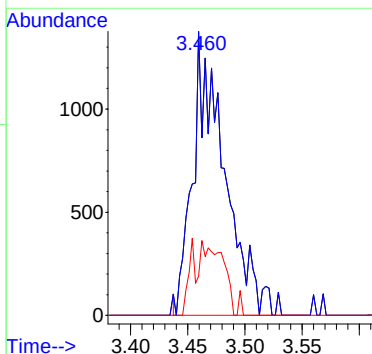
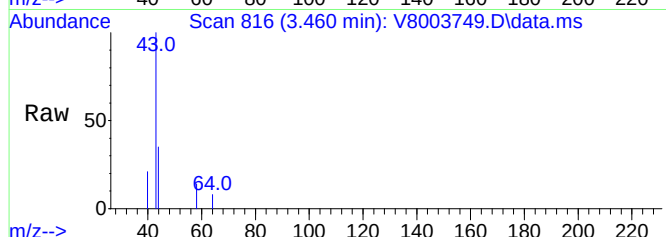
#11
Acrolein
Concen: Below Cal
RT: 2.866 min Scan# 603
Delta R.T. -0.435 min
Lab File: V8003749.D
Acq: 26 Sep 2016 6:40 pm

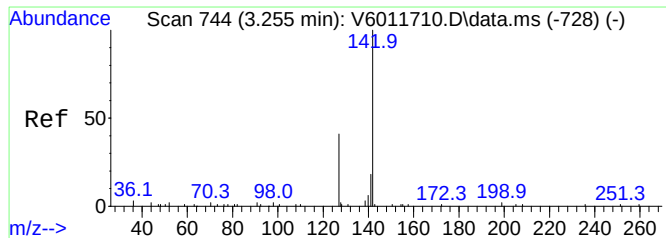
Tgt Ion: 56 Resp: 18
Ion Ratio Lower Upper
56 100
56 100.0 80.0 120.0
55 94.4 27.3 81.9#



#12
Acetone
Concen: 1.76 ppb m
RT: 3.460 min Scan# 816
Delta R.T. 0.000 min
Lab File: V8003749.D
Acq: 26 Sep 2016 6:40 pm

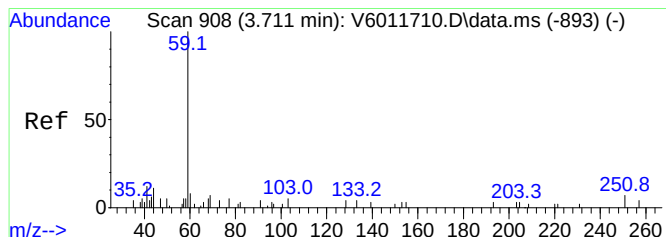
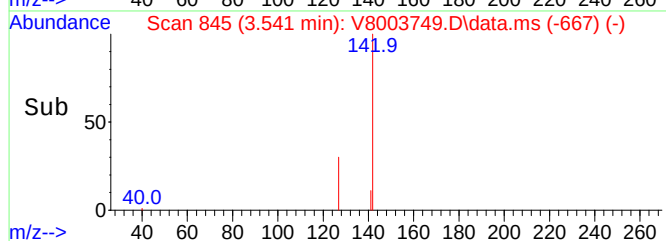
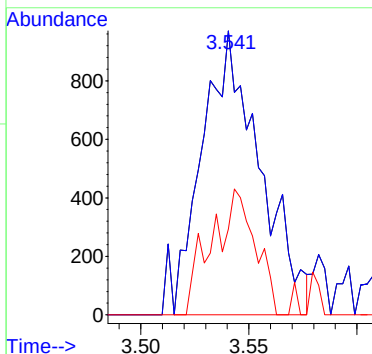
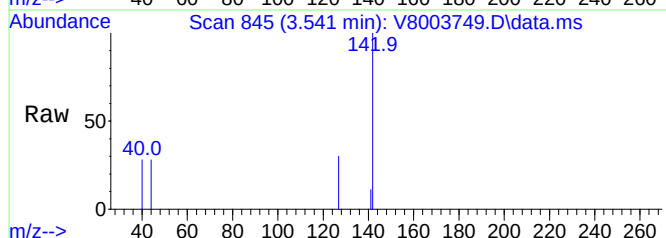
Tgt Ion: 43 Resp: 2645
Ion Ratio Lower Upper
43 100
43 32.6 80.0 120.0#
58 5.4 13.9 41.6#





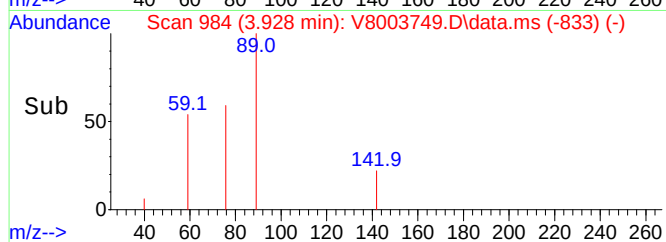
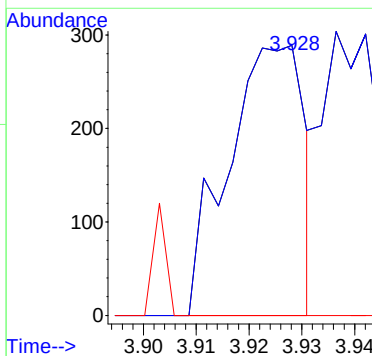
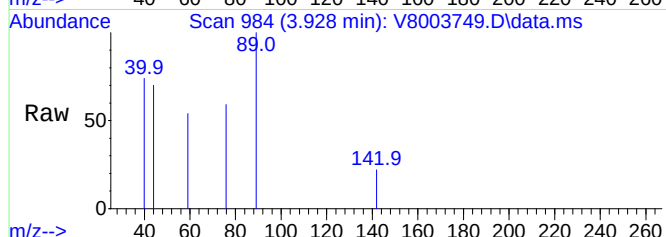
#13
Iodomethane
Concen: 3.62 ppb
RT: 3.541 min Scan# 845
Delta R.T. -0.002 min
Lab File: V8003749.D
Acq: 26 Sep 2016 6:40 pm

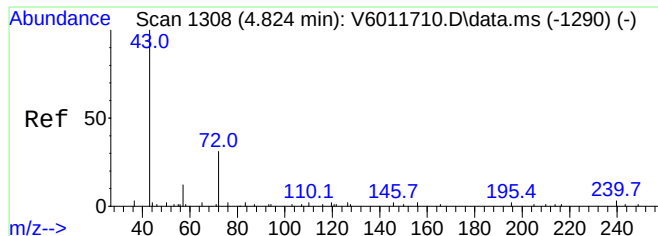
Tgt Ion: 142 Resp: 1794
Ion Ratio Lower Upper
142 100
142 100.0 80.0 120.0
127 33.7 20.8 62.2



#16
tert-Butyl Alcohol (TBA)
Concen: Below Cal
RT: 3.928 min Scan# 984
Delta R.T. -0.078 min
Lab File: V8003749.D
Acq: 26 Sep 2016 6:40 pm

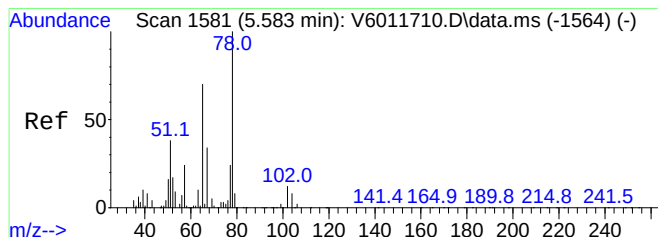
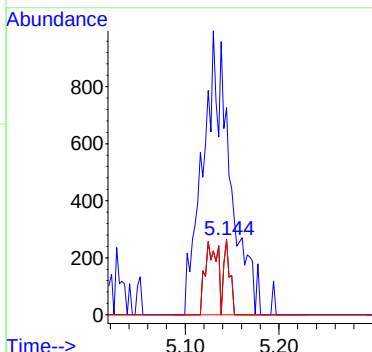
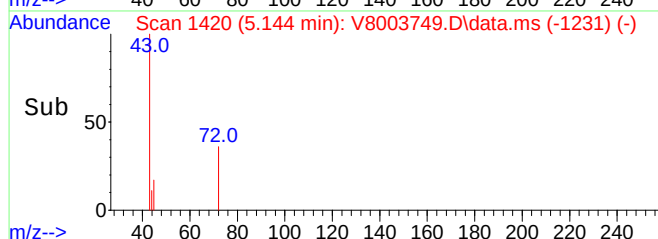
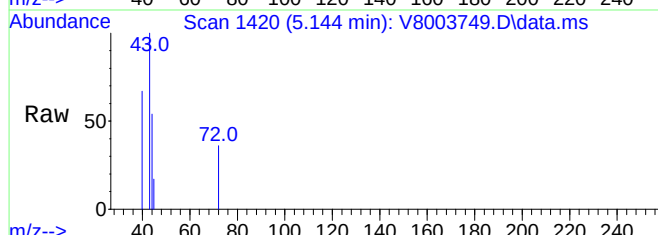
Tgt Ion: 59 Resp: 290
Ion Ratio Lower Upper
59 100
59 100.0 65.0 135.0
41 6.9 6.0 18.0





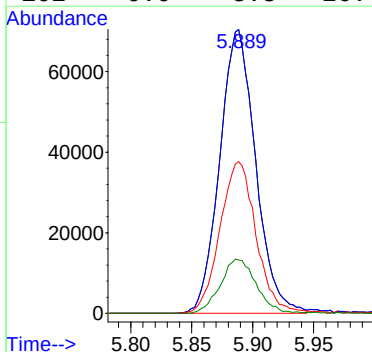
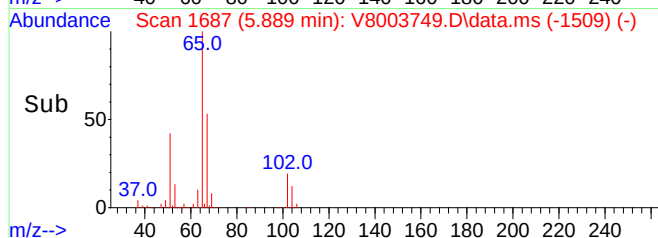
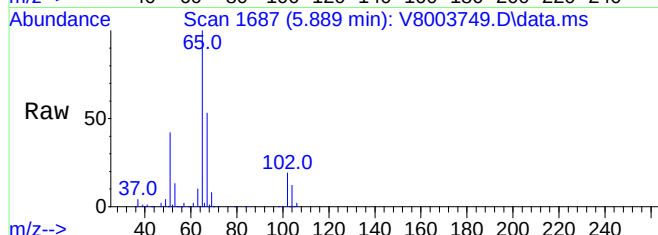
#26
2-Butanone
Concen: 0.54 ppb m
RT: 5.144 min Scan# 1420
Delta R.T. 0.028 min
Lab File: V8003749.D
Acq: 26 Sep 2016 6:40 pm

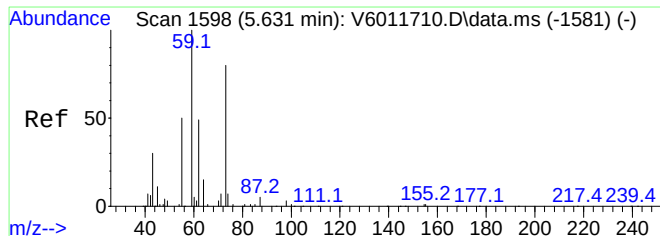
Tgt Ion: 72 Resp: 352
Ion Ratio Lower Upper
72 100
43 322.4 260.7 391.1
72 66.2 50.0 150.0



#34
d4-1,2-Dichloroethane (SURR)
Concen: 10.21 ppb
RT: 5.889 min Scan# 1687
Delta R.T. -0.003 min
Lab File: V8003749.D
Acq: 26 Sep 2016 6:40 pm

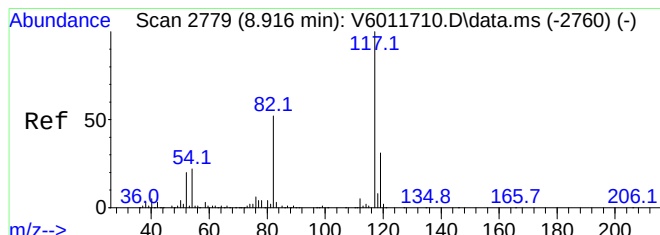
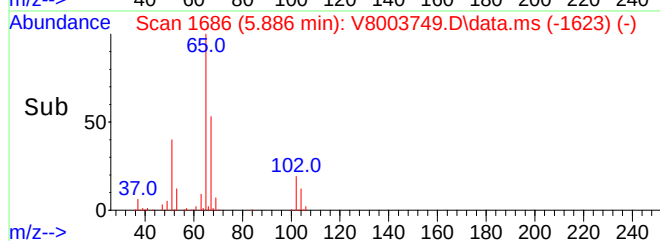
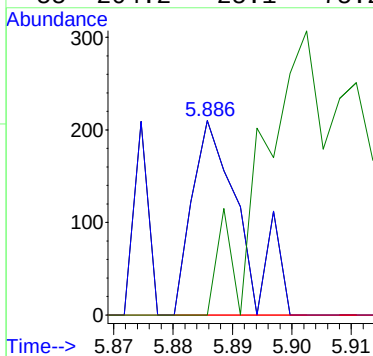
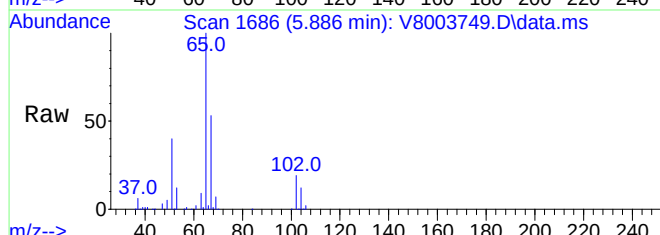
Tgt Ion: 65 Resp: 144223
Ion Ratio Lower Upper
65 100
65 100.0 65.0 135.0
67 54.0 31.3 65.1
102 0.0 8.8 26.4#





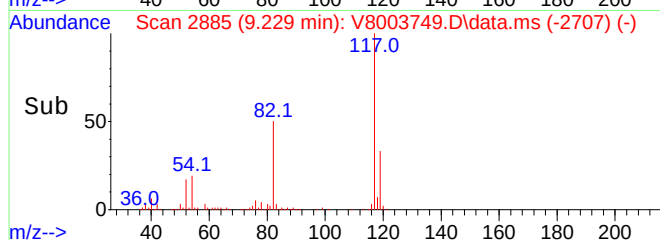
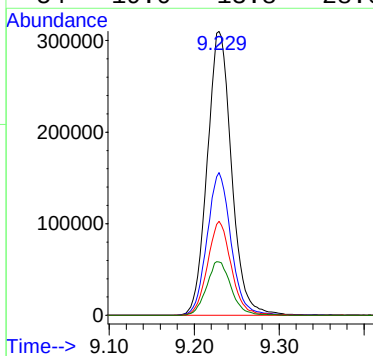
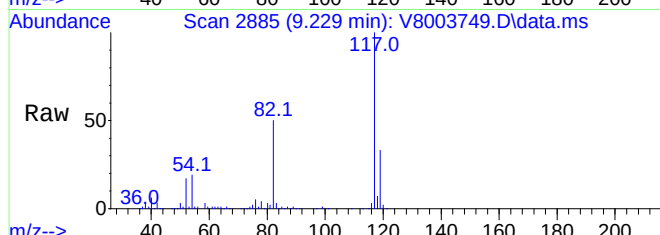
#36
tert-Amyl alcohol (TAA)
Concen: Below Cal
RT: 5.886 min Scan# 1686
Delta R.T. -0.025 min
Lab File: V8003749.D
Acq: 26 Sep 2016 6:40 pm

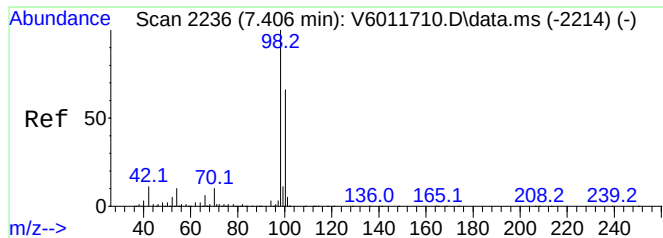
Tgt Ion:	59	Resp:	120
Ion Ratio	Lower	Upper	
59	100		
59	100.0	80.0	120.0
73	0.0	40.2	120.5#
55	204.2	25.1	75.2#



#40
CHLOROBENZENE-d5 (ISTD)
Concen: 10.00 ppb
RT: 9.229 min Scan# 2885
Delta R.T. -0.003 min
Lab File: V8003749.D
Acq: 26 Sep 2016 6:40 pm

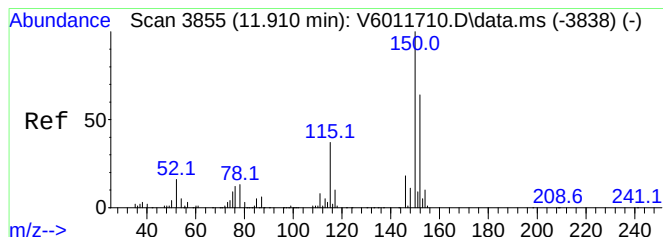
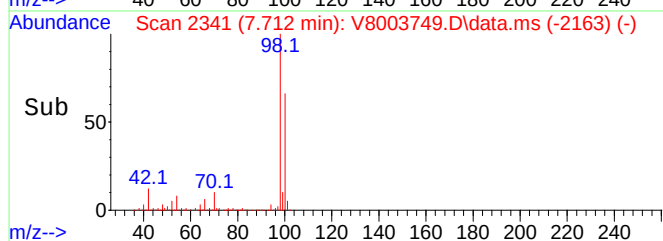
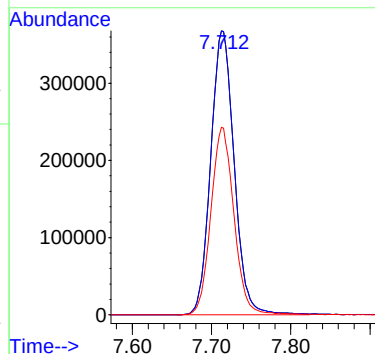
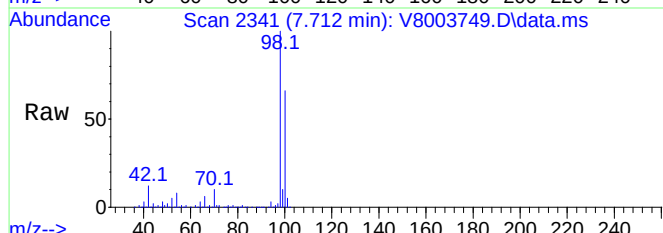
Tgt Ion:	117	Resp:	618354
Ion Ratio	Lower	Upper	
117	100		
82	49.6	34.0	70.6
119	32.3	21.5	44.7
54	19.0	13.8	28.6





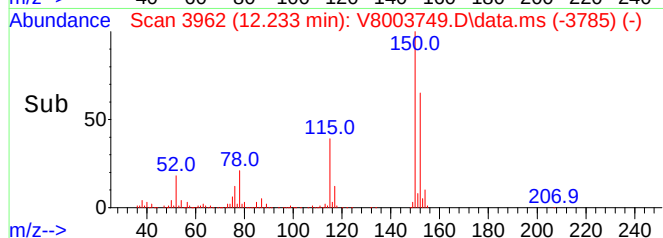
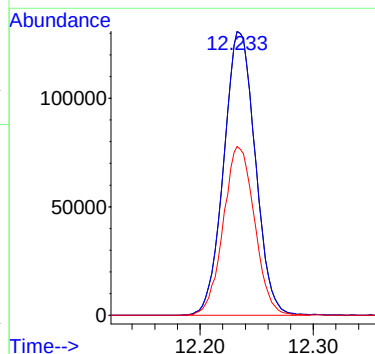
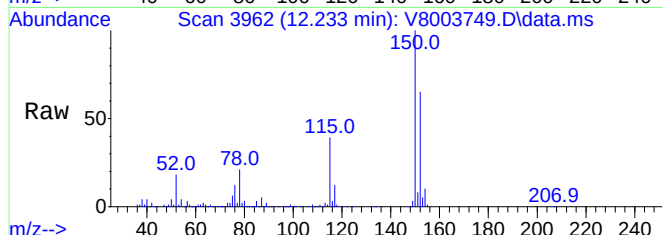
#51
Toluene-d8 (Surr)
Concen: 10.25 ppb
RT: 7.712 min Scan# 2341
Delta R.T. -0.003 min
Lab File: V8003749.D
Acq: 26 Sep 2016 6:40 pm

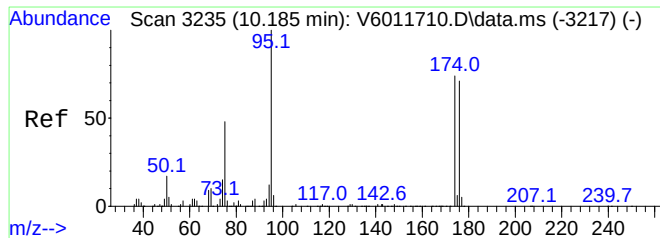
Tgt Ion: 98 Resp: 757957
Ion Ratio Lower Upper
98 100
98 100.0 65.0 135.0
100 64.5 42.8 89.0



#67
1,2-DICHLOROBENZENE-d4 (Istd)
Concen: 10.00 ppb
RT: 12.233 min Scan# 3962
Delta R.T. -0.006 min
Lab File: V8003749.D
Acq: 26 Sep 2016 6:40 pm

Tgt Ion: 152 Resp: 253430
Ion Ratio Lower Upper
152 100
152 100.0 50.0 150.0
115 59.1 31.5 94.5

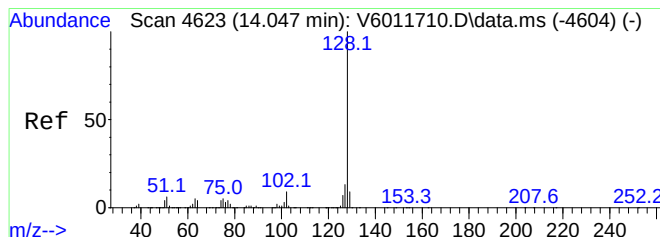
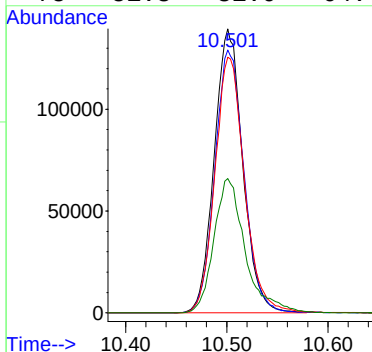
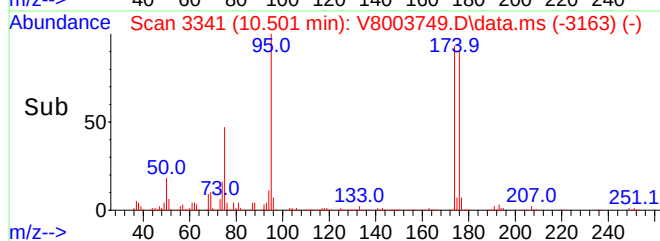
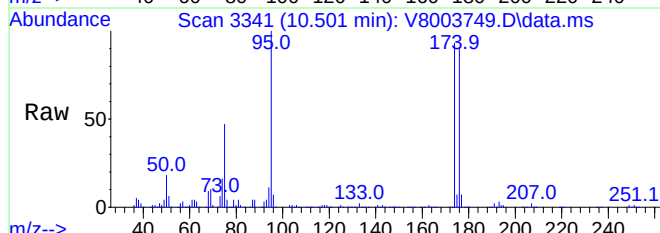




#70
p-Bromofluorobenzene (SURR)
Concen: 10.37 ppb
RT: 10.501 min Scan# 3341
Delta R.T. -0.003 min
Lab File: V8003749.D
Acq: 26 Sep 2016 6:40 pm

Tgt Ion: 95 Resp: 273276

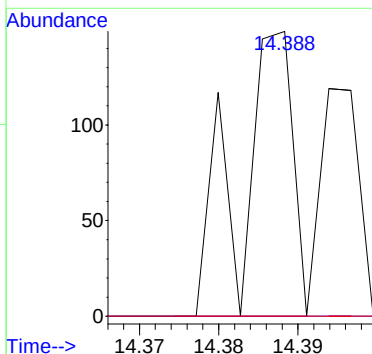
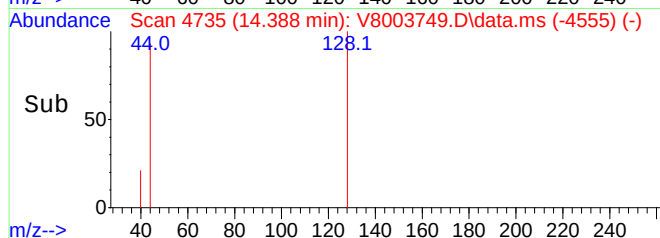
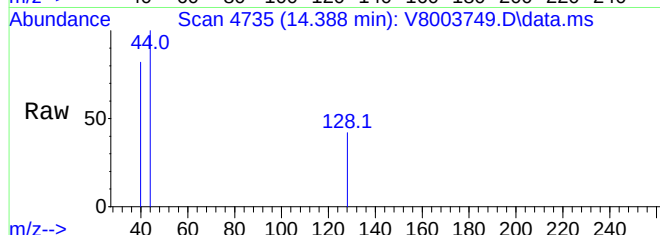
Ion	Ratio	Lower	Upper
95	100		
174	94.2	47.8	99.4
176	93.3	46.3	96.1
75	51.8	31.0	64.4

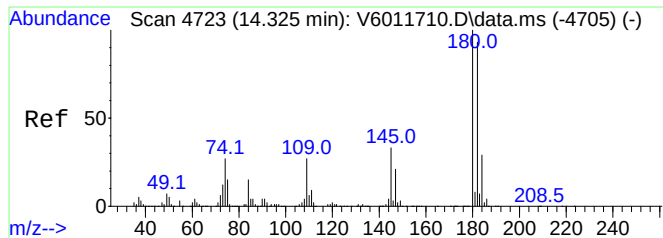


#93
Naphthalene
Concen: Below Cal
RT: 14.388 min Scan# 4735
Delta R.T. 0.002 min
Lab File: V8003749.D
Acq: 26 Sep 2016 6:40 pm

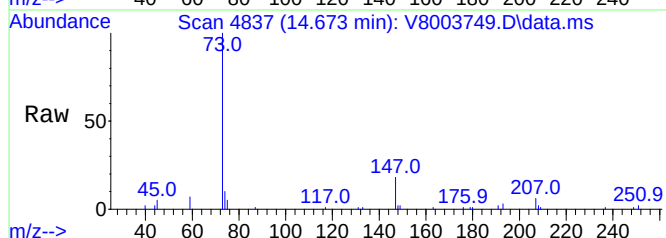
Tgt Ion: 128 Resp: 69

Ion	Ratio	Lower	Upper
128	100		
127	0.0	8.5	17.6#
129	0.0	6.1	12.7#

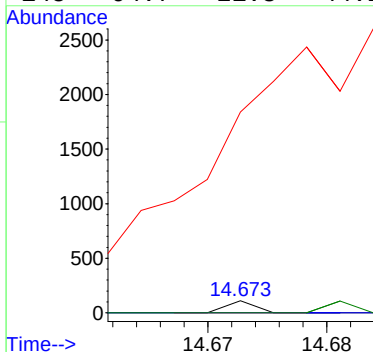
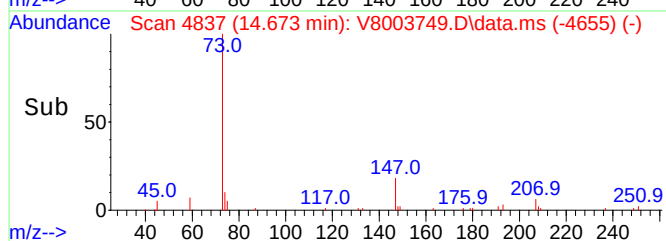




#94
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 14.673 min Scan# 4837
 Delta R.T. 0.009 min
 Lab File: V8003749.D
 Acq: 26 Sep 2016 6:40 pm



Tgt Ion:180 Resp: 19
 Ion Ratio Lower Upper
 180 100
 182 0.0 60.5 125.7#
 74 30021.1 17.6 36.6#
 145 94.7 21.3 44.1#



FORM I

ORGANIC ANALYSIS DATA SHEET

RW-6

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-36 File ID: V8003750.D
 Sampled: 09/14/16 10:10 Prepared: 09/26/16 08:33 Analyzed: 09/26/16 19:08
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61212 Sequence: Y612703 Calibration: YI60005 Instrument: VOA No. 8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
563-58-6	1,1-Dichloropropylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
142-28-9	1,3-Dichloropropane	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
594-20-7	2,2-Dichloropropane	1	0.50	U
95-49-8	2-Chlorotoluene	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
106-43-4	4-Chlorotoluene	1	0.50	U
67-64-1	Acetone	1	2.0	U
71-43-2	Benzene	1	0.50	U
108-86-1	Bromobenzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
124-48-1	Dibromochloromethane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

RW-6

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 16I0590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: 16I0590-36 File ID: V8003750.D
 Sampled: 09/14/16 10:10 Prepared: 09/26/16 08:33 Analyzed: 09/26/16 19:08
 Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Batch: BI61212 Sequence: Y612703 Calibration: YI60005 Instrument: VOA No. 8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
91-20-3	Naphthalene	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.4	104	69 - 130	
Toluene-d8	10.0	10.2	102	81 - 117	
p-Bromofluorobenzene	10.0	10.4	104	79 - 122	

* Values outside of QC limits

Data Path : C:\msdchem\1\data\092616\
 Data File : V8003750.D
 Acq On : 26 Sep 2016 7:08 pm
 Operator : BK
 Sample : 16I0590-36
 Misc : V8092616A 8260 LOW A
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 27 10:22:36 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

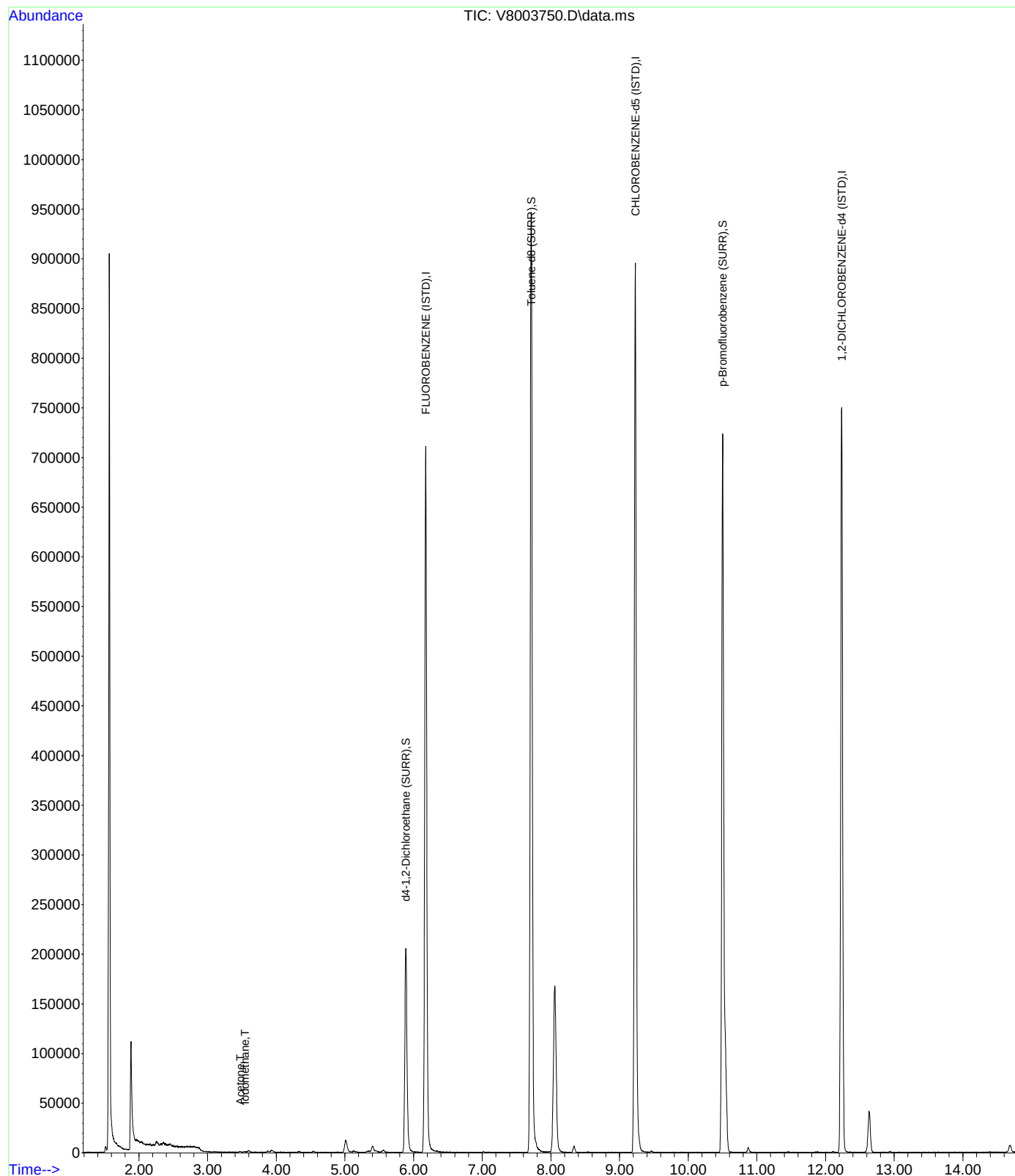
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

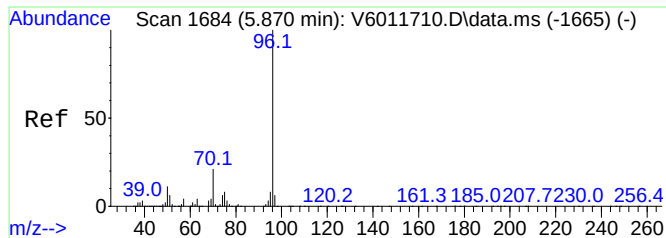
Internal Standards						
1) FLUOROBENZENE (ISTD)	6.178	70	130280	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.229	117	626440	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.235	152	250446	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.886	65	149935	10.44	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	104.40%	
51) Toluene-d8 (SURR)	7.715	98	766560	10.23	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	102.30%	
70) p-Bromofluorobenzene (...)	10.501	95	271563	10.43	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	104.30%	
Target Compounds						
						Qvalue
6) Chloroethane	2.536	64	409	Below Cal		98
8) Ethanol	3.086	45	43	Below Cal		100
11) Acrolein	2.854	56	23	Below Cal	#	37
12) Acetone	3.473	43	1021	0.67 ppb	#	91
13) Iodomethane	3.540	142	587	3.45 ppb		94
16) tert-Butyl Alcohol (TBA)	4.026	59	105	Below Cal	#	97
93) Naphthalene	14.377	128	160	Below Cal	#	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\092616\
Data File : V8003750.D
Acq On : 26 Sep 2016 7:08 pm
Operator : BK
Sample : 16I0590-36
Misc : V8092616A 8260 LOW A
ALS Vial : 10 Sample Multiplier: 1

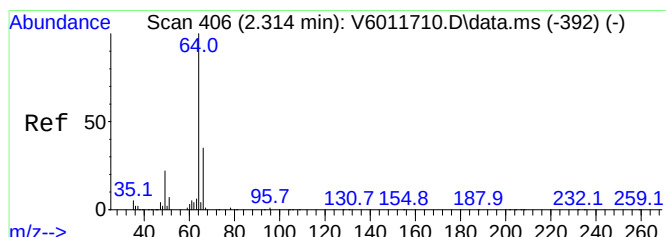
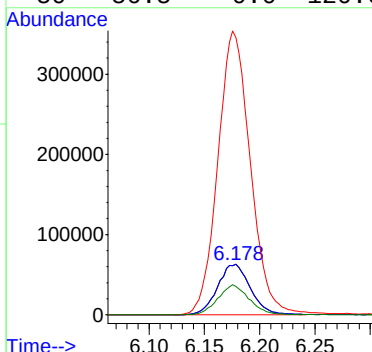
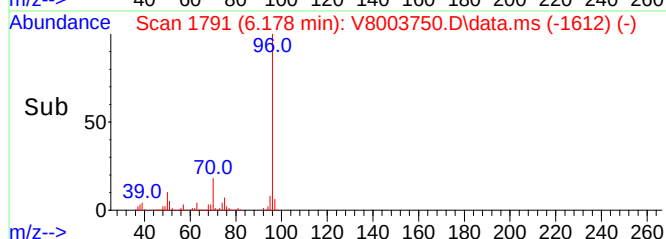
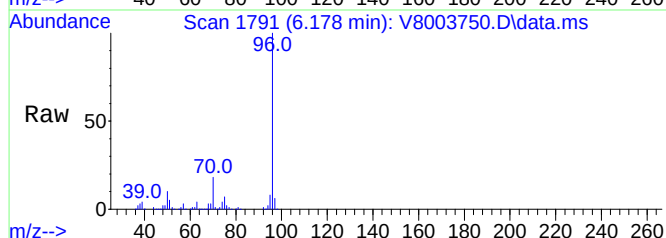
Quant Time: Sep 27 10:22:36 2016
Quant Method : C:\msdchem\1\methods\V8L00015.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Thu Sep 15 08:36:22 2016
InstName : VOA No. 8
Response via : Initial Calibration





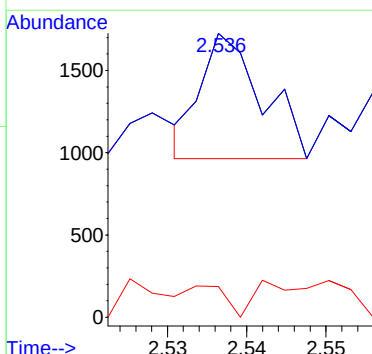
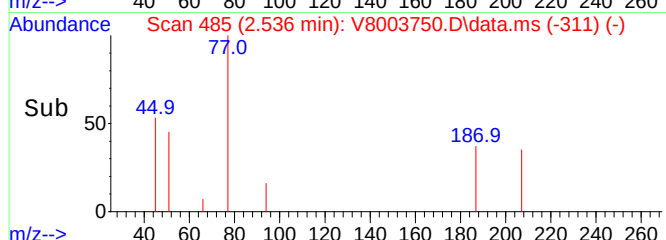
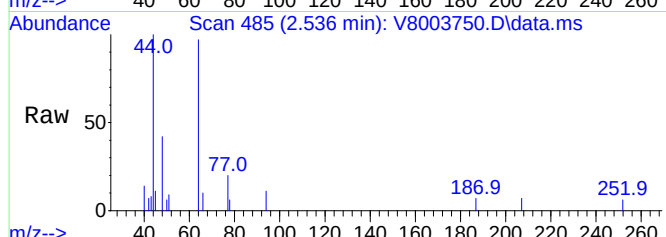
#1
 FLUOROBENZENE (ISTD)
 Concen: 10.00 ppb
 RT: 6.178 min Scan# 1791
 Delta R.T. -0.001 min
 Lab File: V8003750.D
 Acq: 26 Sep 2016 7:08 pm

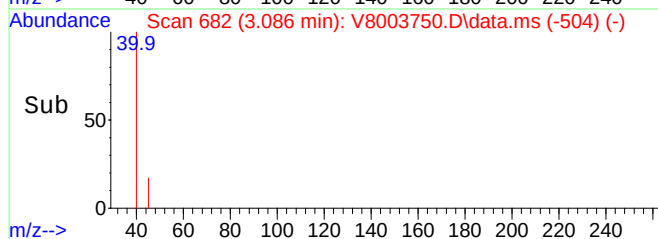
Tgt Ion: 70 Resp: 130280
 Ion Ratio Lower Upper
 70 100
 70 100.0 65.0 135.0
 96 557.3 343.3 713.1
 50 56.5 0.0 120.6



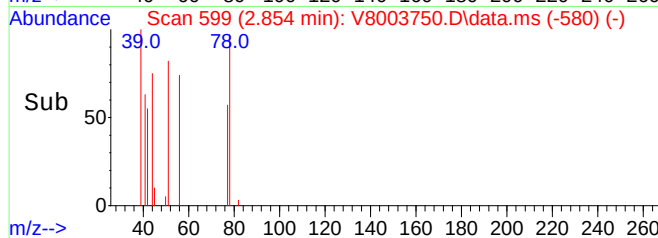
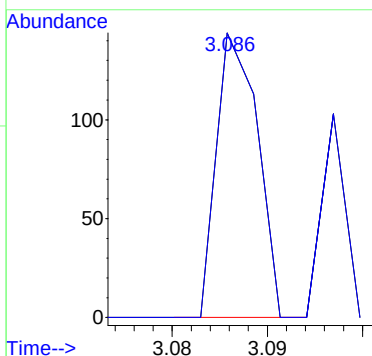
#6
 Chloroethane
 Concen: Below Cal
 RT: 2.536 min Scan# 485
 Delta R.T. -0.015 min
 Lab File: V8003750.D
 Acq: 26 Sep 2016 7:08 pm

Tgt Ion: 64 Resp: 409
 Ion Ratio Lower Upper
 64 100
 64 100.0 65.0 135.0
 66 39.4 22.7 47.3

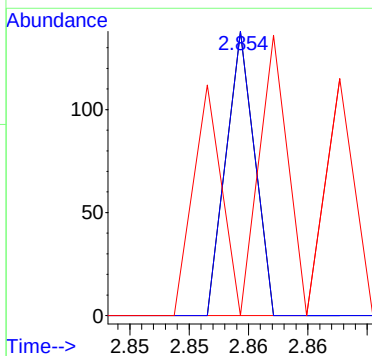


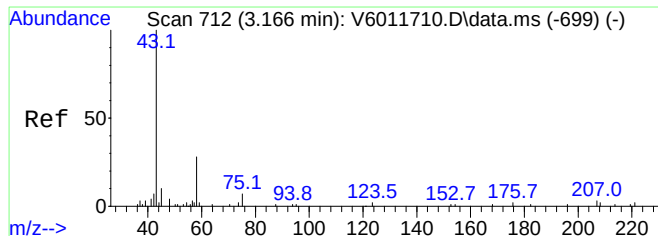


Tgt	Ion: 45	Resp:	43
Ion	Ratio	Lower	Upper
45	100		
45	100.0	50.0	150.0



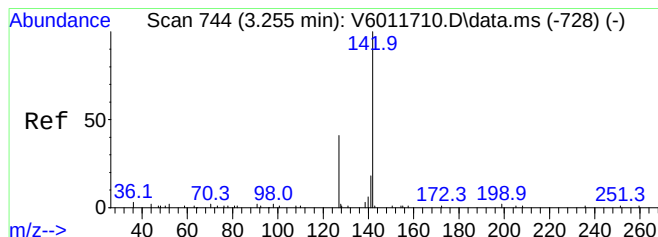
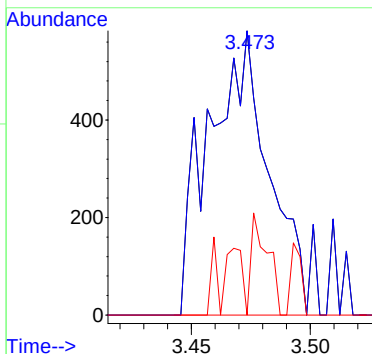
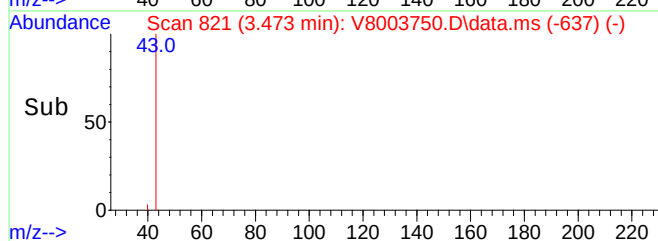
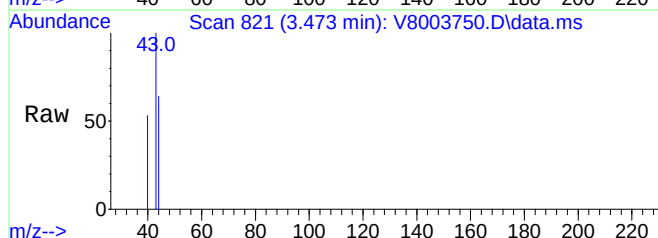
Tgt	Ion: 56	Resp:	23
Ion	Ratio	Lower	Upper
56	100		
56	100.0	80.0	120.0
55	182.6	27.3	81.9#





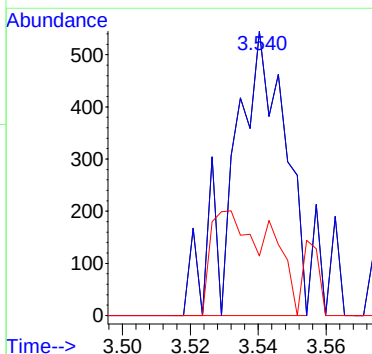
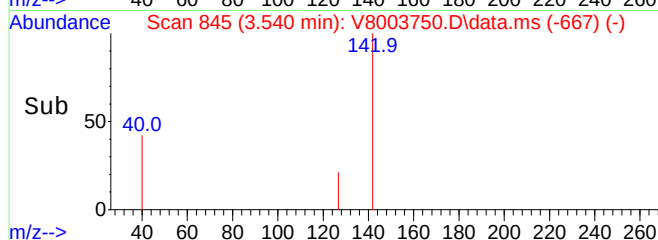
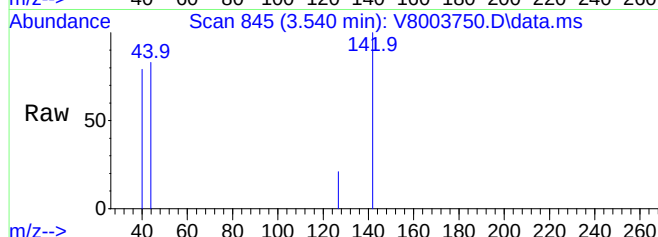
#12
Acetone
Concen: 0.67 ppb
RT: 3.473 min Scan# 821
Delta R.T. 0.014 min
Lab File: V8003750.D
Acq: 26 Sep 2016 7:08 pm

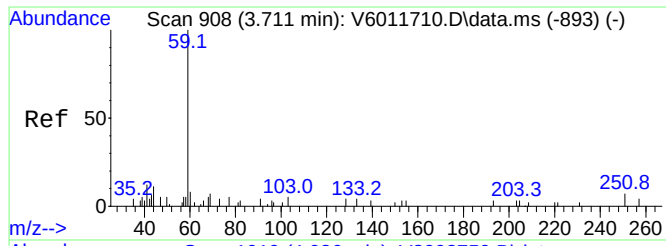
Tgt Ion: 43 Resp: 1021
Ion Ratio Lower Upper
43 100
43 100.0 80.0 120.0
58 6.5 13.9 41.6#



#13
Iodomethane
Concen: 3.45 ppb
RT: 3.540 min Scan# 845
Delta R.T. -0.003 min
Lab File: V8003750.D
Acq: 26 Sep 2016 7:08 pm

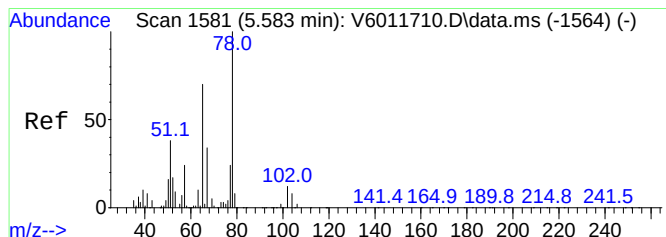
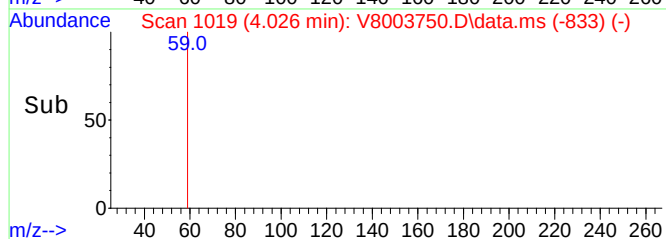
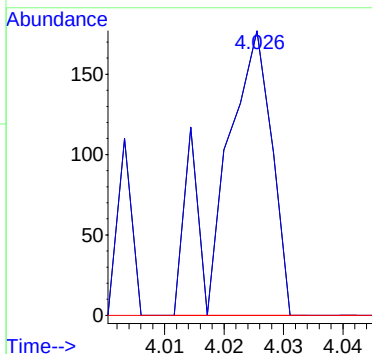
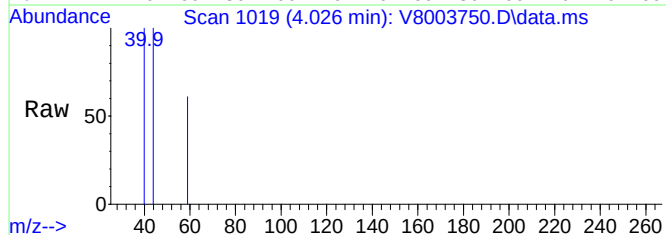
Tgt Ion: 142 Resp: 587
Ion Ratio Lower Upper
142 100
142 100.0 80.0 120.0
127 28.6 20.8 62.2





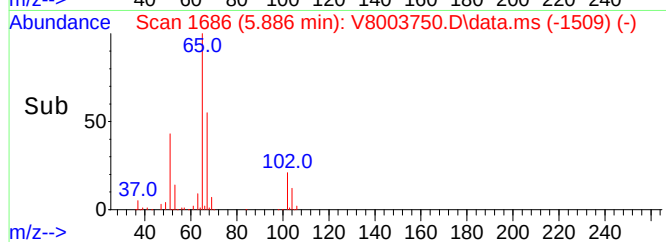
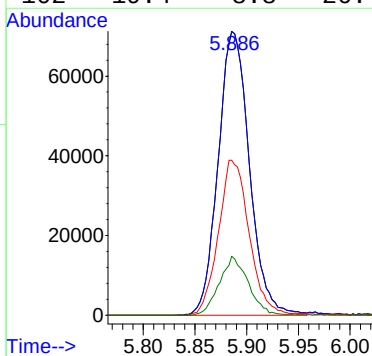
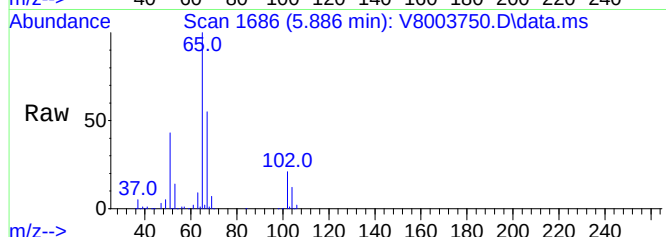
#16
tert-Butyl Alcohol (TBA)
Concen: Below Cal
RT: 4.026 min Scan# 1019
Delta R.T. 0.020 min
Lab File: V8003750.D
Acq: 26 Sep 2016 7:08 pm

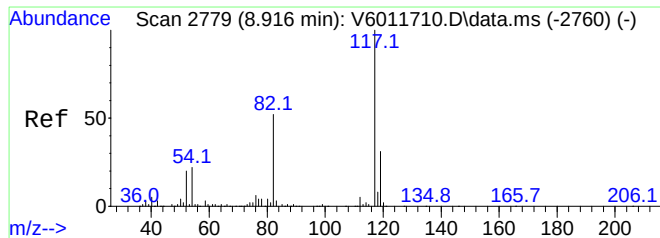
Tgt Ion: 59 Resp: 105
Ion Ratio Lower Upper
59 100
59 100.0 65.0 135.0
41 0.0 6.0 18.0#



#34
d4-1,2-Dichloroethane (SURR)
Concen: 10.44 ppb
RT: 5.886 min Scan# 1686
Delta R.T. -0.006 min
Lab File: V8003750.D
Acq: 26 Sep 2016 7:08 pm

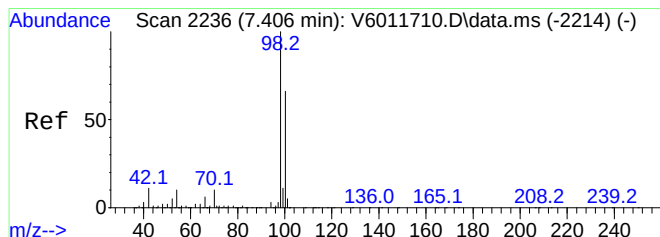
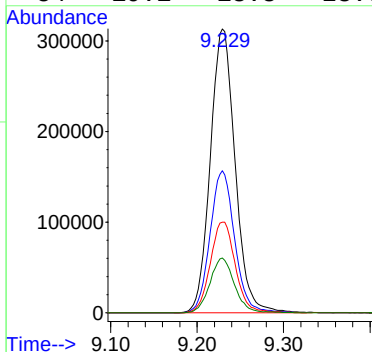
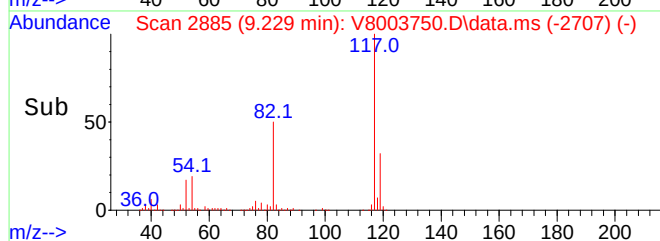
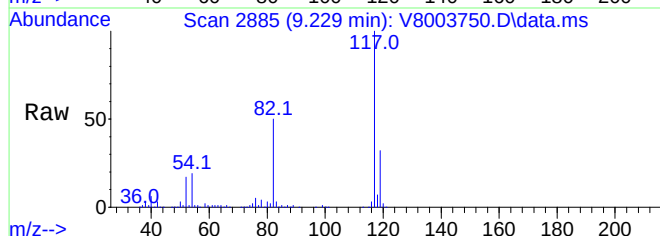
Tgt Ion: 65 Resp: 149935
Ion Ratio Lower Upper
65 100
65 100.0 65.0 135.0
67 0.0 31.3 65.1#
102 19.4 8.8 26.4





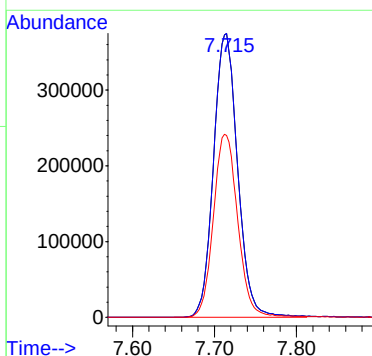
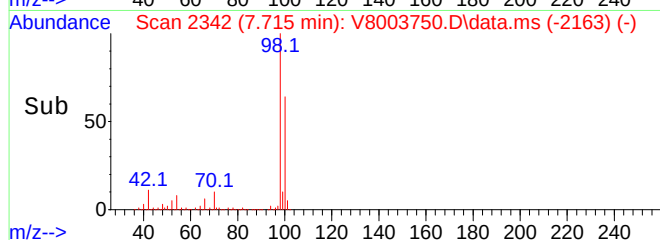
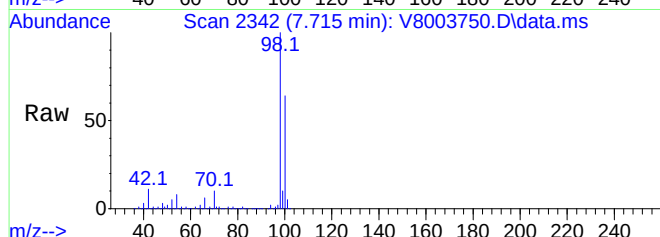
#40
 CHLOROBENZENE-d5 (ISTD)
 Concen: 10.00 ppb
 RT: 9.229 min Scan# 2885
 Delta R.T. -0.003 min
 Lab File: V8003750.D
 Acq: 26 Sep 2016 7:08 pm

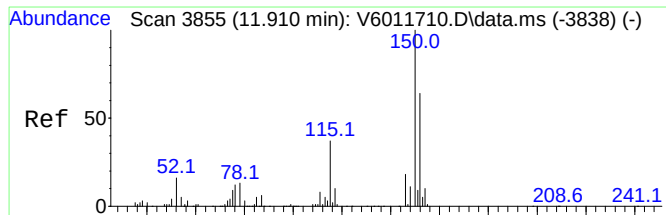
Tgt Ion:	117	Resp:	626440
Ion Ratio	Lower	Upper	
117	100		
82	49.7	34.0	70.6
119	32.4	21.5	44.7
54	19.1	13.8	28.6



#51
 Toluene-d8 (SURRE)
 Concen: 10.23 ppb
 RT: 7.715 min Scan# 2342
 Delta R.T. -0.000 min
 Lab File: V8003750.D
 Acq: 26 Sep 2016 7:08 pm

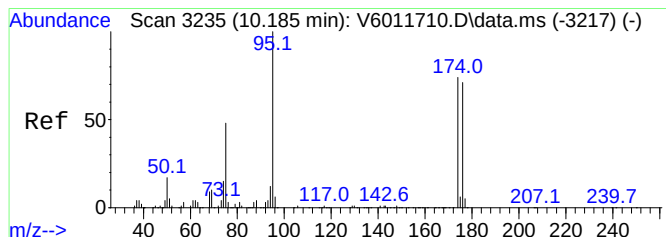
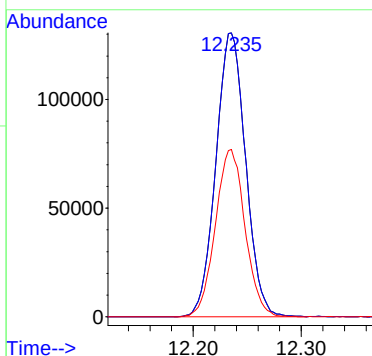
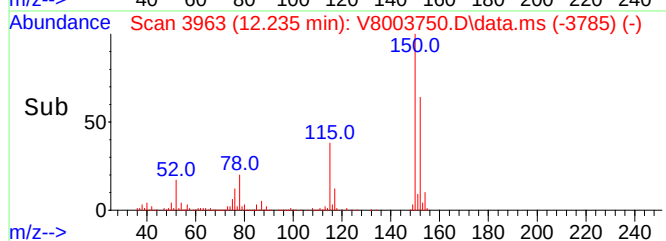
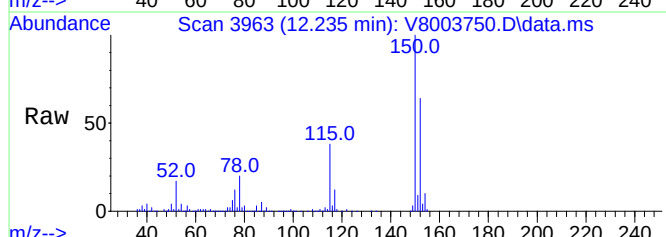
Tgt Ion:	98	Resp:	766560
Ion Ratio	Lower	Upper	
98	100		
98	100.0	65.0	135.0
100	64.8	42.8	89.0





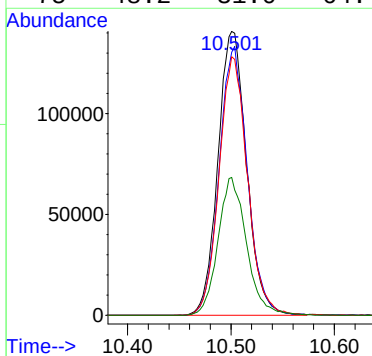
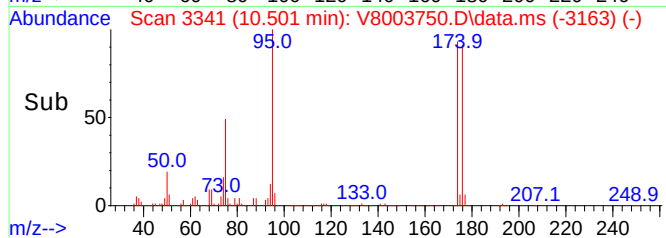
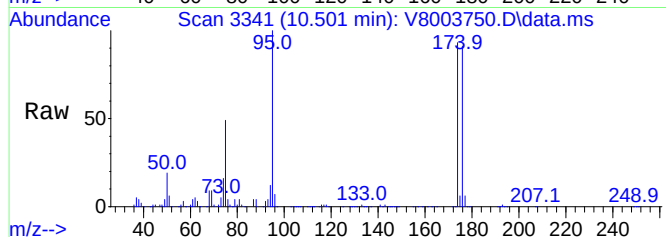
#67
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 10.00 ppb
RT: 12.235 min Scan# 3963
Delta R.T. -0.003 min
Lab File: V8003750.D
Acq: 26 Sep 2016 7:08 pm

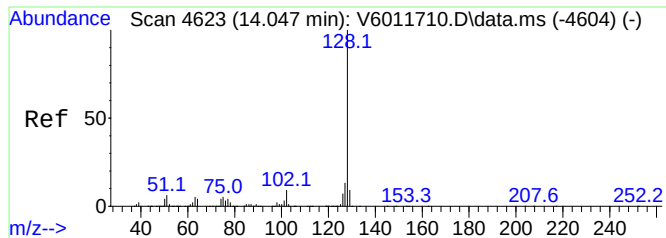
Tgt Ion: 152 Resp: 250446
Ion Ratio Lower Upper
152 100
152 100.0 50.0 150.0
115 58.8 31.5 94.5



#70
p-Bromofluorobenzene (SURR)
Concen: 10.43 ppb
RT: 10.501 min Scan# 3341
Delta R.T. -0.003 min
Lab File: V8003750.D
Acq: 26 Sep 2016 7:08 pm

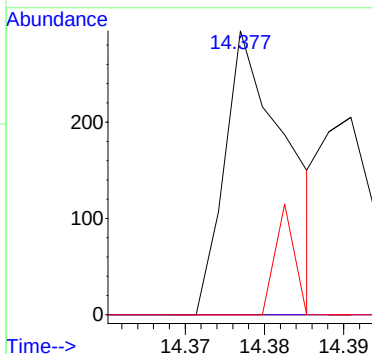
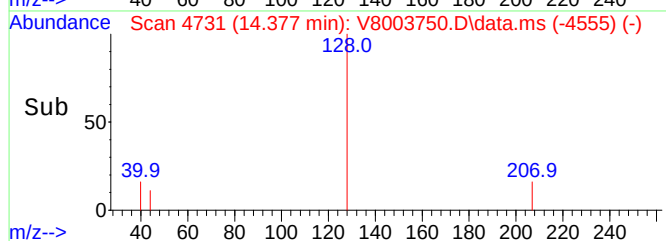
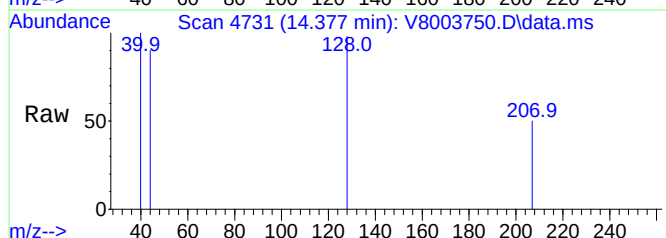
Tgt Ion: 95 Resp: 271563
Ion Ratio Lower Upper
95 100
174 93.0 47.8 99.4
176 90.3 46.3 96.1
75 48.2 31.0 64.4





#93
Naphthalene
Concen: Below Cal
RT: 14.377 min Scan# 4731
Delta R.T. -0.009 min
Lab File: V8003750.D
Acq: 26 Sep 2016 7:08 pm

Tgt Ion:128 Resp: 160
Ion Ratio Lower Upper
128 100
127 0.0 8.5 17.6#
129 11.9 6.1 12.7



Method Path : C:\msdchem\1\methods\
 Method File : V7LO0060.M
 Title : Volatile Organics EPA 8260C
 Last Update : Mon Sep 19 11:38:14 2016
 Response Via : Initial Calibration

Calibration Files

0.5=V710481.D 2.0 =V710482.D 4.0 =V710483.D 10.0=V710484.D 20.0=V710485.D 40.0=V710486.D
 80.0=V710487.D 120 =V710488.D 160 =V710489.D

Compound		0.5	2.0	4.0	10.0	20.0	40.0	80.0	120	160	Avg	%RSD
FLUOROBENZENE (ISTD)												
1) I	Dichlorodifl...	0.9312	1.0487	1.0439	0.9774	1.0514	0.9529	0.8556	0.8930	0.9360	0.966	7.34
2) T	Chloromethane	0.8965	0.7753	0.8019	0.7914	0.8841	0.9244	0.9964	1.0807	1.1694	0.924	14.66
3) T	Vinyl Chloride	1.1602	1.1805	1.2010	1.1381	1.2319	1.1654	1.1242	1.1443	1.2282	1.175	3.29
5) T	Bromomethane		0.0762	0.1079	0.1765	0.2278	0.2761	0.3562	0.4673	0.5081	0.275	57.97
6) T	Chloroethane	0.7982	0.7013	0.7126	0.6491	0.6832	0.6467	0.6033	0.5957	0.6005	0.666	9.94
7) T	Trichloroflu...	1.2339	1.3685	1.3604	1.3194	1.4315	1.3370	1.2556	1.2973	1.3491	1.328	4.54
8) T	Ethanol	0.0045	0.0044	0.0044	0.0039	0.0029	0.0029	0.0031	0.0037	0.0036	0.004	17.40
9) T	Freon-113	1.0558	0.9958	1.1086	1.0402	1.0674	0.9962	0.9184	0.9647	0.9736	1.013	5.85
10) T	1,1-Dichloro...	1.4900	1.4672	1.5157	1.4761	1.5390	1.4644	1.3782	1.4100	1.4804	1.469	3.36
11) T	Acrolein	0.1208	0.1062	0.1119	0.1280	0.1386	0.1421	0.1335	0.1424	0.1493	0.130	11.31
12) T	Acetone		0.2912	0.2680	0.3049	0.2949	0.2388	0.2216	0.2260	0.1980	0.255	15.54
13) T	Iodomethane		0.1127	0.0039	0.3126	0.4429	0.5059	0.5446	0.5361	0.5094	0.371	56.24
14) T	Methyl Acetate	0.5674	0.5143	0.5296	0.5364	0.5418	0.5250	0.5065	0.5259	0.5465	0.533	3.41
15) T	Carbon disul...	3.4127	3.2059	3.2499	3.1726	3.3985	3.1428	3.0926	3.1169	3.2467	3.227	3.56
16) T	tert-Butyl A...	0.0699	0.0649	0.0812	0.0733	0.0778	0.0803	0.0777	0.0807	0.0815	0.076	7.60
17) T	Methylene Ch...	1.9260	1.5085	1.4182	1.3960	1.4628	1.4338	1.4485	1.4882	1.5281	1.512	10.64
18) T	Acrylonitrile	0.2280	0.2331	0.2508	0.2357	0.2482	0.2837	0.2750	0.2876	0.2925	0.259	9.79
19) T	trans-1,2-Di...	1.6200	1.5571	1.5943	1.5538	1.6413	1.5955	1.5397	1.5519	1.5991	1.584	2.20
20) T	tert-Butyl M...	2.6548	2.8828	2.9456	2.9553	3.0825	3.0747	3.0442	3.1631	3.2027	3.001	5.53
21) T	1,1-Dichloro...	2.1740	2.0214	2.0491	2.0206	2.1255	2.0212	1.9693	1.9667	1.9921	2.038	3.43
22) T	Vinyl Acetate	2.9018	2.9641	2.9532	3.1051	3.1345	3.0072	3.0726	3.0657	3.2265	3.048	3.33
23) T	Diisopropyl ...	3.6833	3.4279	3.5425	3.6368	3.6305	3.5616	3.5157	3.5408	3.4887	3.559	2.25
24) T	Ethyl-tert-B...	3.5305	3.3879	3.4854	3.6700	3.6655	3.6361	3.6391	3.7416	3.7570	3.613	3.37
25) T	cis-1,2-Dich...	1.8667	1.7802	1.7875	1.7666	1.8757	1.8193	1.8012	1.8191	1.8363	1.817	2.07
26) T	2-Butanone		0.1448	0.1398	0.1329	0.1246	0.1119	0.1056	0.1088	0.1060	0.122	13.04
27) T	2,2-Dichloro...	1.5488	1.4771	1.4863	1.4620	1.5616	1.4888	1.4706	1.4986	1.4853	1.498	2.30
28) T	Tetrahydrofuran	0.0616	0.0865	0.0920	0.0879	0.0966	0.0991	0.0953	0.0986	0.1024	0.091	13.44
29) T	Bromochlorom...	0.7969	0.8141	0.7954	0.7687	0.7872	0.7514	0.7287	0.7632	0.7896	0.777	3.41
30) T	Chloroform	1.9934	1.8910	1.9134	1.8868	2.0084	1.9914	1.9529	1.9573	1.9598	1.950	2.29
31) T	1,1,1-Trichl...	1.5113	1.5799	1.5664	1.5706	1.6676	1.6142	1.6043	1.6491	1.7158	1.609	3.82
32) T	Cyclohexane	2.0230	1.9127	2.0603	2.0508	2.1629	1.9511	1.8714	1.9127	1.9535	1.989	4.65
33) T	1,1-Dichloro...	1.5275	1.5907	1.6394	1.5640	1.7040	1.6284	1.5870	1.6051	1.6525	1.611	3.23
34) S	d4-1,2-Dichl...	1.0791	1.0820	1.0688	1.0892	1.0795	1.0905	1.0518	1.0592	0.9978	1.066	2.70
35) T	Carbon Tetra...	1.1197	1.2518	1.3260	1.3209	1.4574	1.3843	1.3653	1.3889	1.4100	1.336	7.50
36) T	tert-Amyl al...	0.0673	0.0673	0.0733	0.0746	0.0843	0.0841	0.0770	0.0800	0.0803	0.076	8.39
37) T	1,2-Dichloro...	1.1113	1.1681	1.1817	1.2281	1.2914	1.2699	1.2520	1.2587	1.1612	1.214	4.98
38) T	Benzene	5.1221	4.8381	4.8701	4.7929	5.0592	4.9337	4.8310	4.8271	4.7996	4.897	2.42
39) T	tert-Amyl me...	3.2298	3.1466	3.3347	3.5096	3.5367	3.4893	3.4353	3.4818	3.4278	3.399	3.96
CHLOROBENZENE-d5 (ISTD)												
40) I	CHLOROBENZENE-d5											
41) T	Trichloroeth...	0.2812	0.2847	0.2840	0.2791	0.2994	0.2945	0.2960	0.3036	0.3068	0.292	3.49
42) T	Methyl Cyclo...	0.4508	0.4627	0.5016	0.4877	0.5227	0.4792	0.4770	0.4911	0.5038	0.486	4.51

Method Path : C:\msdchem\1\methods\

Method File : V7LO0060.M

Title : Volatile Organics EPA 8260C

LA 0260C

43)	T	Methyl Metha...	0.1314	0.1437	0.1490	0.1543	0.1656	0.1693	0.1675	0.1740	0.1751	0.159	9.55																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
44)	T	Dibromomethane	0.1334	0.1387	0.1394	0.1398	0.1485	0.1506	0.1479	0.1319	0.1241	0.139	6.25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
45)	T	Bromodichlor...	0.3184	0.3202	0.3232	0.3266	0.3542	0.3579	0.3670	0.3751	0.3753	0.346	6.98																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
46)	T	1,2-Dichloro...	0.2933	0.2929	0.2929	0.2922	0.3098	0.3082	0.3132	0.3164	0.3170	0.304	3.75																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
47)	T	1,4-Dioxane	0.0012	0.0014	0.0015	0.0015	0.0015	0.0016	0.0015	0.0015	0.0016	0.001	7.71																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
48)	T	2-Chloroethy...	0.0731	0.0863	0.0953	0.1040	0.1120	0.1126	0.1137	0.1153	0.1054	0.102	14.17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
49)	T	cis-1,3-Dich...	0.3999	0.4249	0.4396	0.4490	0.4822	0.4845	0.4929	0.5016	0.4977	0.464	7.85																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
50)	T	4-Methyl-2-P...	0.2941	0.3013	0.3147	0.3165	0.3338	0.3330	0.3275	0.3374	0.3373	0.322	4.97																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
51)	S	Toluene-d8 (...)	1.2336	1.2435	1.2346	1.2357	1.2297	1.2406	1.2544	1.2598	1.2566	1.243	0.90																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
52)	T	Toluene	1.3217	1.2367	1.2362	1.1858	1.2647	1.2300	1.2321	1.2272	1.2229	1.240	2.97																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
53)	T	trans-1,3-Di...	0.3121	0.3475	0.3664	0.3734	0.4054	0.4130	0.4171	0.4262	0.4222	0.387	10.20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
54)	T	1,1,2-Trichl...	0.1957	0.2106	0.2135	0.2117	0.2244	0.2235	0.2236	0.2291	0.2289	0.218	5.02																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
55)	T	1,3-Dichloro...	0.3489	0.3799	0.3828	0.3785	0.4030	0.4060	0.4021	0.4069	0.4032	0.390	4.97																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
56)	T	Tetrachloroe...	0.4320	0.3582	0.4190	0.3763	0.4340	0.4599	0.4046	0.4396	0.3305	0.406	10.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
57)	T	2-Hexanone	0.0936	0.1100	0.1173	0.1330	0.1369	0.1311	0.1259	0.1286	0.1249	0.122	11.05																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
58)	T	Dibromochlor...	0.1985	0.2248	0.2322	0.2390	0.2616	0.2675	0.2736	0.2807	0.2805	0.251	11.44																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
59)	T	1,2-Dibromoe...	0.1835	0.2068	0.2065	0.2071	0.2226	0.2237	0.2220	0.2275	0.2256	0.214	6.68																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
60)	T	Chlorobenzene	0.8412	0.8105	0.8152	0.7942	0.8352	0.8227	0.8257	0.8228	0.8143	0.820	1.69																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
61)	T	1,1,1,2-tetr...	0.2694	0.2707	0.2729	0.2697	0.2917	0.2895	0.2910	0.2858	0.2791	0.280	3.43																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
62)	T	Ethyl Benzene	1.3692	1.3073	1.3361	1.3025	1.3982	1.3396	1.3221	1.2908	1.2629	1.325	3.10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
63)	T	p- & m-Xylenes	1.0317	0.9968	1.0172	1.0023	1.0661	1.0226	0.9903	0.9464	0.9073	0.998	4.72																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
64)	T	o-Xylene	1.0212	1.0124	1.0395	1.0233	1.0921	1.0552	1.0440	1.0217	0.9979	1.034	2.68																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
65)	T	Styrene	0.7809	0.8098	0.8319	0.8287	0.8823	0.8618	0.8454	0.8127	0.7825	0.826	4.11																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
66)	T	Bromoform	0.1082	0.1259	0.1292	0.1354	0.1507	0.1552	0.1554	0.1602	0.1597	0.142	12.87																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
67)	I	1,2-DICHLOROBENZEN...	ISTD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
68)	T	p-Ethyltoluene	2	3791	2	3810	2	2973	2	4583	2	3448	2	3913	2	391	2	3815	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	2	3913	2	391	2	3815	

Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710481.D
 Acq On : 16 Sep 2016 2:47 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CAL1
 Misc : QBV7091616A
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 11:30:35 2016
 Quant Method : C:\msdchem\1\methods\V7L00059.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Sep 13 10:34:16 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.987	70	78952	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.017	117	336950	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.002	152	146403	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	85200	9.77	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.70%		
51) Toluene-d8 (SURR)	7.514	98	415650	12.58	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	125.80%		
70) p-Bromofluorobenzene (...)	10.283	95	164950	10.46	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.60%		
Target Compounds						
2) Dichlorodifluoromethane	1.627	85	3676	0.31	ppb	Qvalue # 86
3) Chloromethane	1.855	50	3539m	0.41	ppb	
4) Vinyl Chloride	1.939	62	4580	0.35	ppb	96
6) Chloroethane	2.406	64	3151m	0.39	ppb	
7) Trichlorofluoromethane	2.656	101	4871	0.28	ppb	100
8) Ethanol	2.912	45	879m	Below Cal		
9) Freon-113	3.177	101	4168m	0.34	ppb	
10) 1,1-Dichloroethylene	3.193	61	5882	0.33	ppb	# 75
11) Acrolein	3.127	56	477m	0.37	ppb	
12) Acetone	3.282	43	2242m	0.81	ppb	
14) Methyl Acetate	3.591	43	2240m	0.39	ppb	
15) Carbon disulfide	3.422	76	13472	0.36	ppb	100
16) tert-Butyl Alcohol (TBA)	3.819	59	276m	0.38	ppb	
17) Methylene Chloride	3.697	49	7603	0.43	ppb	97
18) Acrylonitrile	3.961	53	900m	0.34	ppb	
19) trans-1,2-Dichloroethy...	3.945	61	6395	0.35	ppb	98
20) tert-Butyl Methyl Ethe...	3.931	73	10480	0.30	ppb	# 94
21) 1,1-Dichloroethane	4.362	63	8582	0.36	ppb	# 97
22) Vinyl Acetate	4.381	43	11455m	0.38	ppb	
23) Diisopropyl ether (DIPE)	4.373	45	14540	0.36	ppb	99
24) Ethyl-tert-Butyl ether...	4.713	59	13937	0.34	ppb	# 80
25) cis-1,2-Dichloroethylene	4.921	61	7369	0.35	ppb	100
26) 2-Butanone	4.938	72	1185m	0.95	ppb	
27) 2,2-Dichloropropane	4.902	77	6114m	0.32	ppb	
28) Tetrahydrofuran	5.202	71	243m	0.25	ppb	
29) Bromochloromethane	5.152	49	3146	0.36	ppb	# 66
30) Chloroform	5.216	83	7869	0.34	ppb	# 99
31) 1,1,1-Trichloroethane	5.366	97	5966m	0.30	ppb	
32) Cyclohexane	5.402	56	7986	0.37	ppb	97
33) 1,1-Dichloropropylene	5.519	75	6030	0.32	ppb	79
35) Carbon Tetrachloride	5.514	117	4420	0.27	ppb	# 91
36) tert-Amyl alcohol (TAA)	5.734	59	2655	3.62	ppb	81
37) 1,2-Dichloroethane	5.770	62	4387	0.29	ppb	99
38) Benzene	5.722	78	20220	0.36	ppb	# 1
39) tert-Amyl methyl ether...	5.786	73	12750	0.32	ppb	# 90
41) Trichloroethylene	6.332	95	4737	0.49	ppb	96
42) Methyl Cyclohexane	6.476	83	7595m	0.50	ppb	
43) Methyl Methacrylate	6.638	69	2213	0.44	ppb	# 82
44) Dibromomethane	6.699	93	2247	0.49	ppb	97
45) Bromodichloromethane	6.846	83	5364	0.46	ppb	# 97
46) 1,2-Dichloropropane	6.577	63	4882	0.50	ppb	92
47) 1,4-Dioxane	6.727	88	54	1.14	ppb	92
48) 2-Chloroethyl vinyl ether	7.111	63	1231	0.41	ppb	# 100
49) cis-1,3-Dichloropropene	7.267	75	6738	0.44	ppb	# 87

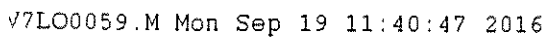
Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710481.D
 Acq On : 16 Sep 2016 2:47 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CAL1
 Misc : QBV7091616A
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 11:30:35 2016
 Quant Method : C:\msdchem\1\methods\V7LO0059.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Sep 13 10:34:16 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) 4-Methyl-2-Pentanone	7.400	43	4955	0.53	ppb	# 66
52) Toluene	7.581	91	22267	0.56	ppb	100
53) trans-1,3-Dichloropropene	7.829	75	5258	0.40	ppb	# 94
54) 1,1,2-Trichloroethane	8.026	97	3297	0.46	ppb	96
55) 1,3-Dichloropropane	8.196	76	5878	0.46	ppb	# 70
56) Tetrachloroethylene	8.132	166	7278	0.68	ppb	# 100
57) 2-Hexanone	8.257	43	1577	0.41	ppb	# 1
58) Dibromochloromethane	8.438	129	3344	0.39	ppb	97
59) 1,2-Dibromoethane	8.563	107	3092	0.44	ppb	99
60) Chlorobenzene	9.047	112	14172	0.54	ppb	# 67
61) 1,1,1,2-tetrachloroethane	9.136	131	4539	0.49	ppb	# 51
62) Ethyl Benzene	9.136	91	23068	0.54	ppb	99
63) p- & m-Xylenes	9.259	91	34763	1.08	ppb	98
64) o-Xylene	9.690	91	17205	0.52	ppb	99
65) Styrene	9.718	104	13156	0.50	ppb	# 100
66) Bromoform	9.960	173	1823m	0.38	ppb	
68) p-Ethyltoluene	10.719	105	18148	0.64	ppb	# 100
69) Isopropylbenzene	10.077	105	20430	0.59	ppb	98
71) 1,1,2,2-Tetrachloroethane	10.469	83	3874m	0.57	ppb	
72) Bromobenzene	10.458	77	8180	0.59	ppb	94
73) trans-1,4-Dichloro-2-b...	10.513	75	3376	0.46	ppb	# 84
74) 1,2,3-Trichloropropane	10.516	110	1017	0.52	ppb	# 15
75) n-Propylbenzene	10.533	91	24305	0.61	ppb	98
76) 2-Chlorotoluene	10.655	91	17277	0.63	ppb	100
77) 4-Chlorotoluene	10.778	91	16136	0.64	ppb	99
78) 1,3,5-Trimethylbenzene	10.719	105	18148	0.64	ppb	98
79) tert-Butylbenzene	11.087	119	14156	0.60	ppb	# 73
80) 1,2,4-Trimethylbenzene	11.142	105	17798	0.62	ppb	99
81) sec-Butylbenzene	11.329	105	19657	0.59	ppb	99
82) 1,3-Dichlorobenzene	11.496	146	10015	0.61	ppb	96
83) p-Isopropyltoluene	11.487	119	17424	0.61	ppb	99
84) 1,4-Dichlorobenzene	11.596	146	10455	0.62	ppb	99
85) 1,2,3-Trimethylbenzene	11.629	105	7744	0.63	ppb	# 1
86) p-Diethylbenzene	11.921	105	10075	0.66	ppb	97
87) 1,2-Dichlorobenzene	12.021	146	9109	0.60	ppb	# 97
88) n-Butylbenzene	11.952	91	18388	0.62	ppb	98
89) 1,2-Dibromo-3-chloropr...	12.934	75	380m	0.41	ppb	
90) 1,2,4,5-Tetramethylben...	12.814	119	16896	0.65	ppb	98
91) 1,2,4-Trichlorobenzene	13.844	180	4800	0.55	ppb	# 93
92) Hexachloro-1,3-Butadiene	14.008	225	2279m	0.59	ppb	
93) Naphthalene	14.136	128	7998m	0.51	ppb	
94) 1,2,3-Trichlorobenzene	14.417	180	3541	0.52	ppb	# 82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Sep 19 11:30:35 2016
Quant Method : C:\msdchem\1\methods\V7LO0059.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Tue Sep 13 10:34:16 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710482.D
 Acq On : 16 Sep 2016 3:13 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CAL2
 Misc : QBV7091616A
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 19 11:12:42 2016
 Quant Method : C:\msdchem\1\methods\V7LO0059.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Sep 13 10:34:16 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.984	70	79872	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.019	117	337322	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	149685	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	86418	9.79	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.90%		
51) Toluene-d8 (SURR)	7.514	98	419470	12.68	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	126.80%		
70) p-Bromofluorobenzene (...)	10.282	95	167726	10.41	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.10%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.630	85	16752	1.41	ppb	100
3) Chloromethane	1.861	50	12385	1.41	ppb	# 96
4) Vinyl Chloride	1.941	62	18857	1.43	ppb	99
5) Bromomethane	2.306	94	1217m	Below Cal		
6) Chloroethane	2.411	64	11203	1.38	ppb	99
7) Trichlorofluoromethane	2.659	101	21861	1.24	ppb	98
8) Ethanol	2.909	45	3513m	123.46	ppb	
9) Freon-113	3.174	101	15907m	1.30	ppb	
10) 1,1-Dichloroethylene	3.193	61	23438	1.32	ppb	# 81
11) Acrolein	3.129	56	1697	1.31	ppb	98
12) Acetone	3.285	43	4652	1.66	ppb	94
13) Iodomethane	3.363	142	1801m	4.84	ppb	
14) Methyl Acetate	3.588	43	8216	1.42	ppb	99
15) Carbon disulfide	3.421	76	51213	1.35	ppb	100
16) tert-Butyl Alcohol (TBA)	3.833	59	1037m	1.41	ppb	
17) Methylene Chloride	3.697	49	24098	1.33	ppb	98
18) Acrylonitrile	3.975	53	3723	1.38	ppb	# 91
19) trans-1,2-Dichloroethy...	3.944	61	24873	1.35	ppb	# 91
20) tert-Butyl Methyl Ethe...	3.928	73	46051	1.30	ppb	# 94
21) 1,1-Dichloroethane	4.362	63	32291	1.35	ppb	100
22) Vinyl Acetate	4.390	43	47350	1.55	ppb	# 100
23) Diisopropyl ether (DIPE)	4.370	45	54758	1.34	ppb	99
24) Ethyl-tert-Butyl ether...	4.715	59	54119	1.29	ppb	# 80
25) cis-1,2-Dichloroethylene	4.918	61	28438	1.32	ppb	100
26) 2-Butanone	4.940	72	2313m	1.83	ppb	
27) 2,2-Dichloropropane	4.899	77	23596	1.23	ppb	# 100
28) Tetrahydrofuran	5.194	71	1381m	1.42	ppb	
29) Bromochloromethane	5.155	49	13005	1.48	ppb	# 68
30) Chloroform	5.219	83	30208	1.29	ppb	# 100
31) 1,1,1-Trichloroethane	5.369	97	25238	1.27	ppb	# 86
32) Cyclohexane	5.397	56	30555	1.38	ppb	98
33) 1,1-Dichloropropylene	5.519	75	25411	1.35	ppb	81
35) Carbon Tetrachloride	5.516	117	19996	1.19	ppb	96
36) tert-Amyl alcohol (TAA)	5.731	59	10756	14.51	ppb	# 66
37) 1,2-Dichloroethane	5.770	62	18659	1.21	ppb	99
38) Benzene	5.725	78	77285	1.36	ppb	# 73
39) tert-Amyl methyl ether...	5.795	73	50265	1.25	ppb	# 90
41) Trichloroethylene	6.334	95	19205	2.00	ppb	99
42) Methyl Cyclohexane	6.493	83	31218	2.07	ppb	96
43) Methyl Methacrylate	6.643	69	9698	1.93	ppb	# 82
44) Dibromomethane	6.707	93	9356	2.04	ppb	99
45) Bromodichloromethane	6.844	83	21602	1.84	ppb	98
46) 1,2-Dichloropropane	6.571	63	19786	2.04	ppb	# 84
47) 1,4-Dioxane	6.713	88	1623m	34.31	ppb	

Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710482.D
 Acq On : 16 Sep 2016 3:13 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CAL2
 Misc : QBV7091616A
 ALS Vial : 6 Sample Multiplier: 1

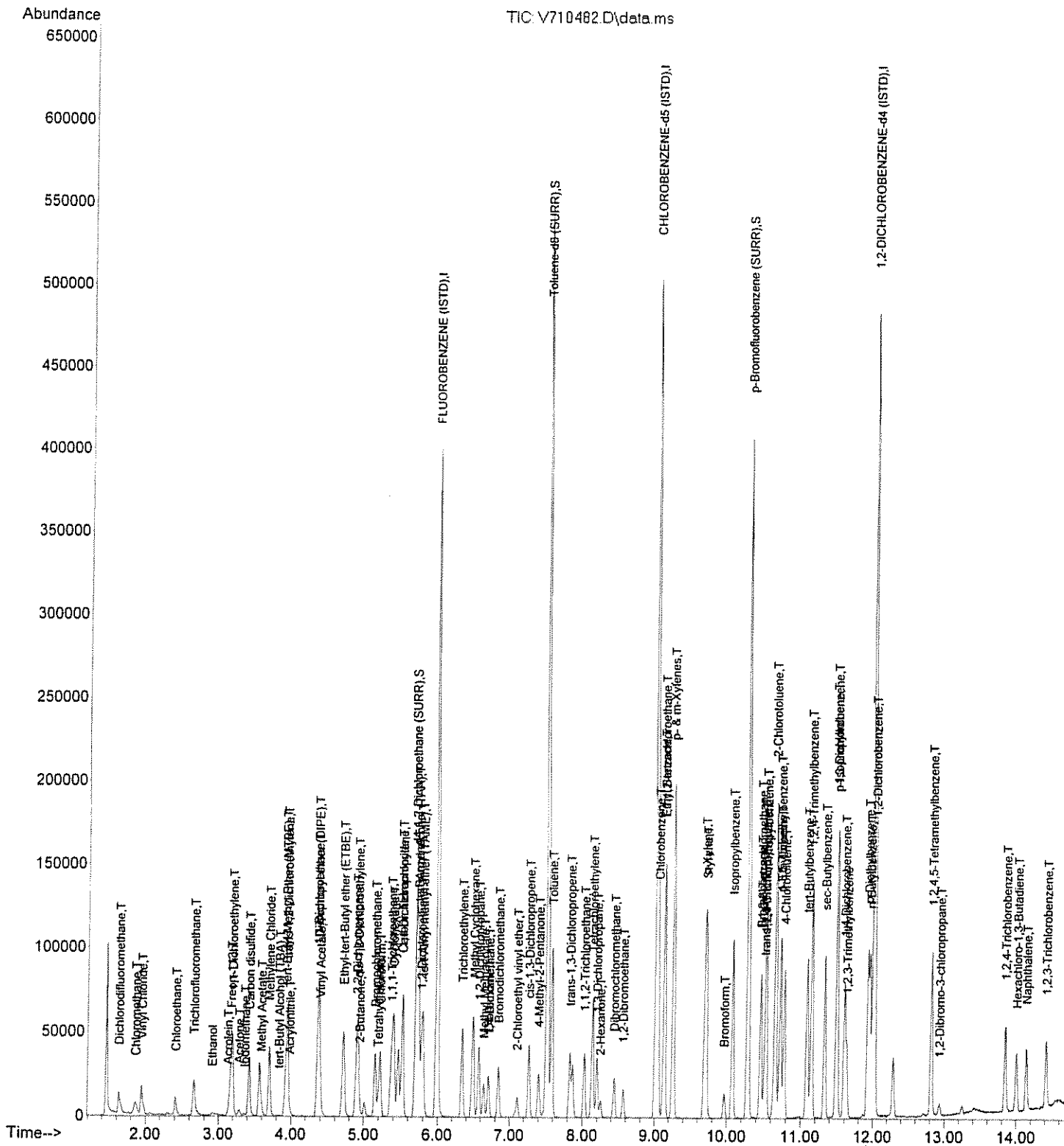
Quant Time: Sep 19 11:12:42 2016
 Quant Method : C:\msdchem\1\methods\V7LO0059.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Sep 13 10:34:16 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Chloroethyl vinyl ether	7.108	63	5821	1.92	ppb	# 100
49) cis-1,3-Dichloropropene	7.269	75	28663	1.88	ppb	92
50) 4-Methyl-2-Pentanone	7.403	43	20330	2.16	ppb	# 88
52) Toluene	7.584	91	83432	2.11	ppb	100
53) trans-1,3-Dichloropropene	7.828	75	23446	1.80	ppb	# 100
54) 1,1,2-Trichloroethane	8.020	97	14211	1.99	ppb	95
55) 1,3-Dichloropropane	8.196	76	25630	2.01	ppb	# 96
56) Tetrachloroethylene	8.134	166	24168	2.24	ppb	# 100
57) 2-Hexanone	8.246	43	7422	1.90	ppb	# 8
58) Dibromochloromethane	8.441	129	15163	1.78	ppb	# 97
59) 1,2-Dibromoethane	8.563	107	13954	1.99	ppb	99
60) Chlorobenzene	9.050	112	54677	2.06	ppb	95
61) 1,1,1,2-tetrachloroethane	9.136	131	18265	1.96	ppb	99
62) Ethyl Benzene	9.133	91	88195	2.07	ppb	100
63) p- & m-Xylenes	9.258	91	134498	4.16	ppb	98
64) o-Xylene	9.695	91	68298	2.05	ppb	99
65) Styrene	9.712	104	54633	2.08	ppb	# 100
66) Bromoform	9.965	173	8496	1.75	ppb	# 76
68) p-Ethyltoluene	10.722	105	71222	2.46	ppb	# 100
69) Isopropylbenzene	10.076	105	86034	2.42	ppb	97
71) 1,1,2,2-Tetrachloroethane	10.460	83	16243	2.34	ppb	# 99
72) Bromobenzene	10.458	77	33333	2.36	ppb	93
73) trans-1,4-Dichloro-2-b...	10.513	75	16561	2.19	ppb	85
74) 1,2,3-Trichloropropane	10.516	110	4586	2.29	ppb	83
75) n-Propylbenzene	10.533	91	101166	2.47	ppb	98
76) 2-Chlorotoluene	10.655	91	67372	2.39	ppb	100
77) 4-Chlorotoluene	10.775	91	61756	2.38	ppb	100
78) 1,3,5-Trimethylbenzene	10.722	105	71222	2.46	ppb	99
79) tert-Butylbenzene	11.084	119	58203	2.43	ppb	97
80) 1,2,4-Trimethylbenzene	11.142	105	71729	2.43	ppb	98
81) sec-Butylbenzene	11.328	105	83603	2.46	ppb	97
82) 1,3-Dichlorobenzene	11.493	146	40198	2.39	ppb	99
83) p-Isopropyltoluene	11.487	119	71897	2.45	ppb	99
84) 1,4-Dichlorobenzene	11.596	146	40376	2.36	ppb	98
85) 1,2,3-Trimethylbenzene	11.626	105	28969m	2.31	ppb	
86) p-Diethylbenzene	11.924	105	37144	2.37	ppb	94
87) 1,2-Dichlorobenzene	12.027	146	36629	2.37	ppb	# 100
88) n-Butylbenzene	11.954	91	73725	2.44	ppb	98
89) 1,2-Dibromo-3-chloropr...	12.931	75	1976	2.09	ppb	99
90) 1,2,4,5-Tetramethylben...	12.817	119	61618	2.32	ppb	98
91) 1,2,4-Trichlorobenzene	13.846	180	19559	2.20	ppb	98
92) Hexachloro-1,3-Butadiene	14.008	225	8701	2.19	ppb	99
93) Naphthalene	14.141	128	35847	2.25	ppb	99
94) 1,2,3-Trichlorobenzene	14.417	180	14942	2.15	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\V7091616\
Data File : V710482.D
Acq On : 16 Sep 2016 3:13 pm
InstName : MSVOA7
Operator : SS
Sample : SEQ-CAL2
Misc : QBV7091616A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 19 11:12:42 2016
Quant Method : C:\msdchem\1\methods\V7LO0059.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Tue Sep 13 10:34:16 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710483.D
 Acq On : 16 Sep 2016 3:40 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CAL3
 Misc : QBV7091616A
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 19 11:14:17 2016
 Quant Method : C:\msdchem\1\methods\V7LO0059.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Sep 13 10:34:16 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.990	70	80384	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.019	117	340602	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	152750	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	85918	9.67	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.70%		
51) Toluene-d8 (SURR)	7.514	98	420516	12.59	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	125.90%		
70) p-Bromofluorobenzene (...)	10.283	95	169359	10.30	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.00%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.627	85	33565	2.81	ppb	100
3) Chloromethane	1.863	50	25785	2.91	ppb	# 71
4) Vinyl Chloride	1.939	62	38615	2.90	ppb	100
5) Bromomethane	2.300	94	3469m	2.21	ppb	
6) Chloroethane	2.409	64	22914	2.80	ppb	100
7) Trichlorofluoromethane	2.659	101	43742	2.47	ppb	99
8) Ethanol	2.915	45	7137m	307.18	ppb	
9) Freon-113	3.168	101	35646	2.89	ppb	97
10) 1,1-Dichloroethylene	3.193	61	48736	2.72	ppb	98
11) Acrolein	3.132	56	3599	2.77	ppb	99
12) Acetone	3.282	43	8618	3.06	ppb	99
13) Iodomethane	3.519	142	127	4.03	ppb	92
14) Methyl Acetate	3.594	43	17028	2.92	ppb	99
15) Carbon disulfide	3.424	76	104495	2.74	ppb	100
16) tert-Butyl Alcohol (TBA)	3.825	59	2611	3.53	ppb	# 1
17) Methylene Chloride	3.700	49	45601	2.51	ppb	96
18) Acrylonitrile	3.970	53	8064m	2.97	ppb	
19) trans-1,2-Dichloroethy...	3.947	61	51264	2.76	ppb	# 90
20) tert-Butyl Methyl Ethe...	3.928	73	94711	2.65	ppb	# 92
21) 1,1-Dichloroethane	4.362	63	65886	2.75	ppb	99
22) Vinyl Acetate	4.387	43	94957	3.08	ppb	100
23) Diisopropyl ether (DIPE)	4.370	45	113903	2.77	ppb	99
24) Ethyl-tert-Butyl ether...	4.713	59	112067	2.65	ppb	# 99
25) cis-1,2-Dichloroethylene	4.916	61	57476	2.66	ppb	100
26) 2-Butanone	4.935	72	4495m	3.53	ppb	
27) 2,2-Dichloropropane	4.902	77	47791	2.47	ppb	# 100
28) Tetrahydrofuran	5.186	71	2957m	3.02	ppb	
29) Bromochloromethane	5.152	49	25575	2.90	ppb	99
30) Chloroform	5.219	83	61523	2.61	ppb	# 68
31) 1,1,1-Trichloroethane	5.372	97	50364	2.52	ppb	# 74
32) Cyclohexane	5.400	56	66245	2.98	ppb	97
33) 1,1-Dichloropropylene	5.519	75	52712	2.79	ppb	82
35) Carbon Tetrachloride	5.517	117	42636	2.51	ppb	99
36) tert-Amyl alcohol (TAA)	5.734	59	23576	31.59	ppb	94
37) 1,2-Dichloroethane	5.770	62	37996	2.45	ppb	# 98
38) Benzene	5.728	78	156590	2.74	ppb	# 86
39) tert-Amyl methyl ether...	5.795	73	107224	2.65	ppb	# 100
41) Trichloroethylene	6.332	95	38692	4.00	ppb	99
42) Methyl Cyclohexane	6.485	83	68339	4.49	ppb	95
43) Methyl Methacrylate	6.643	69	20296	4.00	ppb	# 82
44) Dibromomethane	6.705	93	18996	4.10	ppb	99
45) Bromodichloromethane	6.844	83	44028	3.72	ppb	99
46) 1,2-Dichloropropane	6.568	63	39901	4.07	ppb	98
47) 1,4-Dioxane	6.718	88	3918m	82.04	ppb	

Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710483.D
 Acq On : 16 Sep 2016 3:40 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CAL3
 Misc : QBV7091616A
 ALS Vial : 7 Sample Multiplier: 1

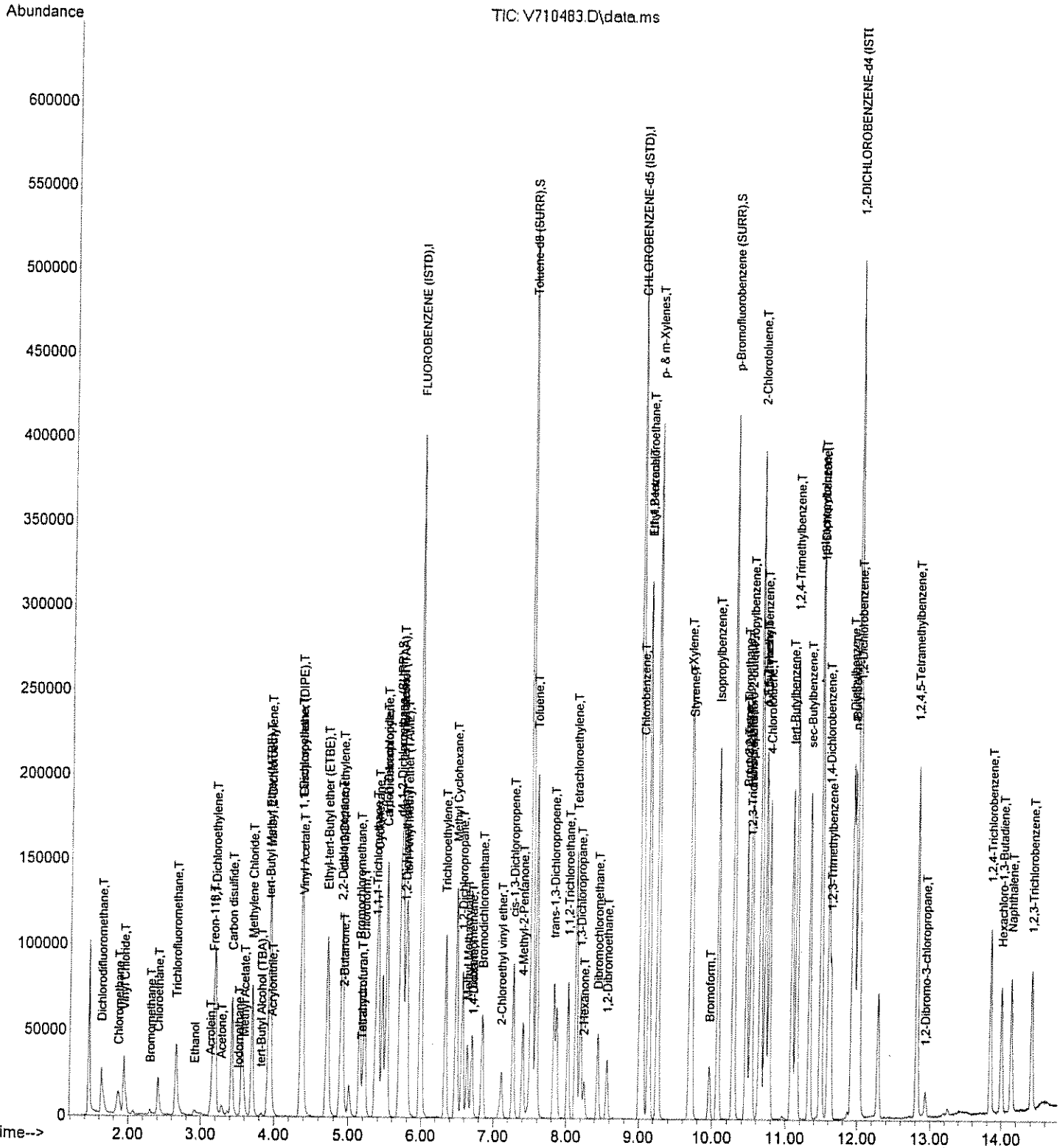
Quant Time: Sep 19 11:14:17 2016
 Quant Method : C:\msdchem\1\methods\V7LO0059.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Sep 13 10:34:16 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Chloroethyl vinyl ether	7.108	63	12988	4.24	ppb	# 100
49) cis-1,3-Dichloropropene	7.269	75	59885	3.89	ppb	91
50) 4-Methyl-2-Pentanone	7.400	43	42875	4.52	ppb	# 88
52) Toluene	7.584	91	168427	4.22	ppb	99
53) trans-1,3-Dichloropropene	7.826	75	49919	3.80	ppb	# 100
54) 1,1,2-Trichloroethane	8.026	97	29082	4.03	ppb	97
55) 1,3-Dichloropropane	8.196	76	52157	4.06	ppb	# 70
56) Tetrachloroethylene	8.137	166	57086	5.24	ppb	# 77
57) 2-Hexanone	8.246	43	15980	4.06	ppb	# 11
58) Dibromochloromethane	8.441	129	31633	3.68	ppb	98
59) 1,2-Dibromoethane	8.566	107	28135	3.96	ppb	99
60) Chlorobenzene	9.050	112	111062	4.15	ppb	97
61) 1,1,1,2-tetrachloroethane	9.136	131	37184	3.95	ppb	98
62) Ethyl Benzene	9.136	91	182030	4.23	ppb	100
63) p- & m-Xylenes	9.256	91	277180	8.50	ppb	99
64) o-Xylene	9.693	91	141628	4.21	ppb	99
65) Styrene	9.718	104	113341	4.26	ppb	# 100
66) Bromoform	9.968	173	17596	3.60	ppb	# 100
68) p-Ethyltoluene	10.719	105	145479	4.92	ppb	# 100
69) Isopropylbenzene	10.079	105	177356	4.88	ppb	97
71) 1,1,2,2-Tetrachloroethane	10.461	83	32815	4.64	ppb	# 100
72) Bromobenzene	10.455	77	67335	4.66	ppb	95
73) trans-1,4-Dichloro-2-b...	10.516	75	34289	4.43	ppb	87
74) 1,2,3-Trichloropropane	10.513	110	9129	4.47	ppb	83
75) n-Propylbenzene	10.533	91	206127	4.93	ppb	98
76) 2-Chlorotoluene	10.655	91	137731	4.79	ppb	100
77) 4-Chlorotoluene	10.775	91	126995	4.80	ppb	100
78) 1,3,5-Trimethylbenzene	10.719	105	145479	4.92	ppb	99
79) tert-Butylbenzene	11.087	119	120683	4.93	ppb	98
80) 1,2,4-Trimethylbenzene	11.145	105	147609	4.89	ppb	99
81) sec-Butylbenzene	11.331	105	175412	5.05	ppb	97
82) 1,3-Dichlorobenzene	11.498	146	82808	4.82	ppb	99
83) p-Isopropyltoluene	11.484	119	149531	4.99	ppb	98
84) 1,4-Dichlorobenzene	11.596	146	83582	4.78	ppb	99
85) 1,2,3-Trimethylbenzene	11.626	105	60680	4.75	ppb	# 1
86) p-Diethylbenzene	11.924	105	80464	5.03	ppb	98
87) 1,2-Dichlorobenzene	12.027	146	73240	4.64	ppb	# 68
88) n-Butylbenzene	11.955	91	153517	4.98	ppb	99
89) 1,2-Dibromo-3-chloropr...	12.934	75	4274	4.43	ppb	# 70
90) 1,2,4,5-Tetramethylben...	12.814	119	133504	4.93	ppb	99
91) 1,2,4-Trichlorobenzene	13.847	180	41356	4.57	ppb	99
92) Hexachloro-1,3-Butadiene	14.008	225	18746	4.63	ppb	97
93) Naphthalene	14.139	128	73959	4.56	ppb	99
94) 1,2,3-Trichlorobenzene	14.423	180	31417	4.43	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\V7091616\
Data File : V710483.D
Acq On : 16 Sep 2016 3:40 pm
InstName : MSVOA7
Operator : SS
Sample : SEQ-CAL3
Misc : QBV7091616A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 19 11:14:17 2016
Quant Method : C:\msdchem\1\methods\V7\LO0059.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Tue Sep 13 10:34:16 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710484.D
 Acq On : 16 Sep 2016 4:06 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CAL4
 Misc : QBV7091616A
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 19 11:33:35 2016
 Quant Method : C:\msdchem\1\methods\V7LO0059.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Sep 13 10:34:16 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.984	70	80620	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.019	117	344817	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.002	152	157900	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	87810	9.86	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.60%		
51) Toluene-d8 (SURR)	7.517	98	426085	12.60	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	126.00%		
70) p-Bromofluorobenzene (...)	10.282	95	171912	10.11	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.10%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.630	85	78796	6.57	ppb	100
3) Chloromethane	1.863	50	63802m	7.18	ppb	
4) Vinyl Chloride	1.941	62	91752	6.87	ppb	100
5) Bromomethane	2.300	94	14231m	18.83	ppb	
6) Chloroethane	2.409	64	52327	6.37	ppb	100
7) Trichlorofluoromethane	2.659	101	106369	5.98	ppb	100
8) Ethanol	2.918	45	15762m	740.27	ppb	
9) Freon-113	3.174	101	83859	6.78	ppb	# 68
10) 1,1-Dichloroethylene	3.196	61	119001	6.62	ppb	99
11) Acrolein	3.126	56	10322	7.91	ppb	97
12) Acetone	3.288	43	24579	8.71	ppb	99
13) Iodomethane	3.363	142	25205m	16.25	ppb	
14) Methyl Acetate	3.591	43	43241	7.39	ppb	99
15) Carbon disulfide	3.424	76	255779	6.68	ppb	100
16) tert-Butyl Alcohol (TBA)	3.825	59	5912m	7.98	ppb	
17) Methylene Chloride	3.700	49	112545	6.18	ppb	96
18) Acrylonitrile	3.967	53	19004	6.97	ppb	98
19) trans-1,2-Dichloroethy...	3.947	61	125268	6.73	ppb	100
20) tert-Butyl Methyl Ethe...	3.931	73	238254	6.64	ppb	99
21) 1,1-Dichloroethane	4.365	63	162900	6.77	ppb	100
22) Vinyl Acetate	4.387	43	250331	8.11	ppb	# 100
23) Diisopropyl ether (DIPE)	4.370	45	293200	7.11	ppb	99
24) Ethyl-tert-Butyl ether...	4.715	59	295878	6.97	ppb	# 99
25) cis-1,2-Dichloroethylene	4.918	61	142424	6.57	ppb	# 72
26) 2-Butanone	4.935	72	10715	8.40	ppb	97
27) 2,2-Dichloropropane	4.896	77	117865	6.06	ppb	# 100
28) Tetrahydrofuran	5.185	71	7088	7.22	ppb	87
29) Bromochloromethane	5.155	49	61969	7.00	ppb	# 78
30) Chloroform	5.216	83	152115	6.44	ppb	# 100
31) 1,1,1-Trichloroethane	5.372	97	126620	6.32	ppb	99
32) Cyclohexane	5.402	56	165332	7.41	ppb	97
33) 1,1-Dichloropropylene	5.522	75	126089	6.65	ppb	85
35) Carbon Tetrachloride	5.516	117	106488	6.26	ppb	100
36) tert-Amyl alcohol (TAA)	5.728	59	60150	80.36	ppb	# 70
37) 1,2-Dichloroethane	5.770	62	99010	6.37	ppb	100
38) Benzene	5.728	78	386401	6.75	ppb	# 95
39) tert-Amyl methyl ether...	5.792	73	282944	6.96	ppb	# 100
41) Trichloroethylene	6.334	95	96241	9.82	ppb	98
42) Methyl Cyclohexane	6.485	83	168182	10.92	ppb	94
43) Methyl Methacrylate	6.640	69	53201	10.36	ppb	# 100
44) Dibromomethane	6.704	93	48193	10.29	ppb	100
45) Bromodichloromethane	6.844	83	112606	9.39	ppb	99
46) 1,2-Dichloropropane	6.571	63	100763	10.14	ppb	# 84
47) 1,4-Dioxane	6.721	88	10247m	211.93	ppb	

Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710484.D
 Acq On : 16 Sep 2016 4:06 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CAL4
 Misc : QBV7091616A
 ALS Vial : 8 Sample Multiplier: 1

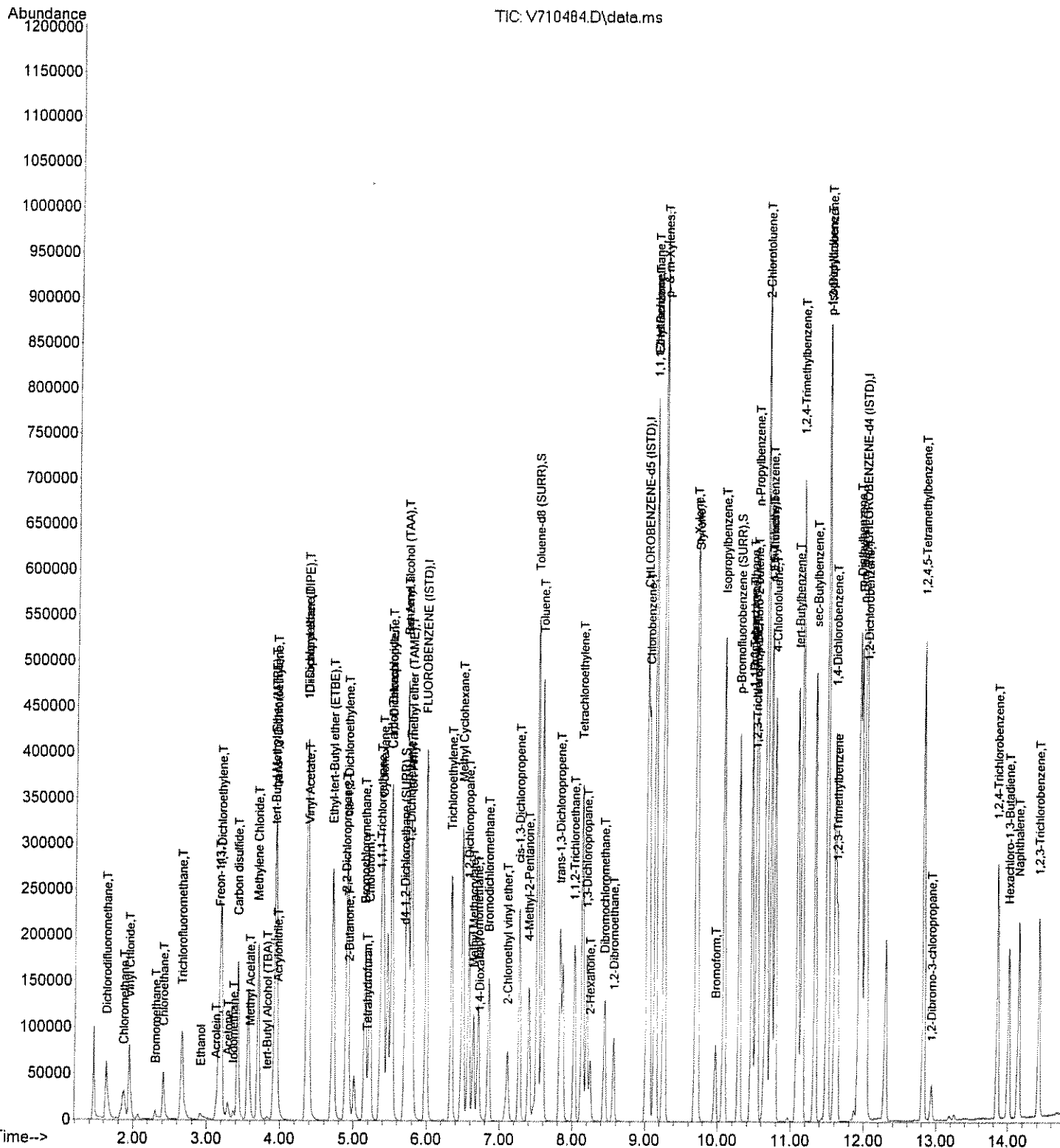
Quant Time: Sep 19 11:33:35 2016
 Quant Method : C:\msdchem\1\methods\V7LO0059.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Sep 13 10:34:16 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Chloroethyl vinyl ether	7.108	63	35877	11.57	ppb	# 100
49) cis-1,3-Dichloropropene	7.269	75	154838	9.94	ppb	91
50) 4-Methyl-2-Pentanone	7.400	43	109142	11.35	ppb	95
52) Toluene	7.584	91	408891	10.13	ppb	100
53) trans-1,3-Dichloropropene	7.828	75	128740	9.68	ppb	# 86
54) 1,1,2-Trichloroethane	8.023	97	73001	9.99	ppb	97
55) 1,3-Dichloropropane	8.198	76	130498	10.03	ppb	# 95
56) Tetrachloroethylene	8.134	166	129746	11.77	ppb	# 100
57) 2-Hexanone	8.243	43	45848	11.51	ppb	# 11
58) Dibromochloromethane	8.441	129	82404	9.47	ppb	99
59) 1,2-Dibromoethane	8.566	107	71403	9.94	ppb	99
60) Chlorobenzene	9.050	112	273842	10.11	ppb	99
61) 1,1,1,2-tetrachloroethane	9.133	131	93002	9.77	ppb	97
62) Ethyl Benzene	9.136	91	449125	10.31	ppb	100
63) p- & m-Xylenes	9.259	91	691228	20.93	ppb	99
64) o-Xylene	9.693	91	352852	10.35	ppb	99
65) Styrene	9.715	104	285756	10.62	ppb	# 100
66) Bromoform	9.968	173	46684	9.42	ppb	# 100
68) p-Ethyltoluene	10.722	105	362739	11.87	ppb	# 99
69) Isopropylbenzene	10.079	105	445708	11.87	ppb	97
71) 1,1,2,2-Tetrachloroethane	10.463	83	83982	11.48	ppb	# 68
72) Bromobenzene	10.460	77	167067	11.19	ppb	95
73) trans-1,4-Dichloro-2-b...	10.516	75	89886	11.24	ppb	85
74) 1,2,3-Trichloropropane	10.513	110	23192	10.98	ppb	85
75) n-Propylbenzene	10.530	91	515867	11.93	ppb	98
76) 2-Chlorotoluene	10.655	91	342418	11.51	ppb	100
77) 4-Chlorotoluene	10.775	91	315519	11.53	ppb	100
78) 1,3,5-Trimethylbenzene	10.722	105	362739	11.87	ppb	99
79) tert-Butylbenzene	11.084	119	301615	11.93	ppb	97
80) 1,2,4-Trimethylbenzene	11.145	105	371049	11.89	ppb	99
81) sec-Butylbenzene	11.331	105	440648	12.28	ppb	97
82) 1,3-Dichlorobenzene	11.495	146	206622	11.64	ppb	99
83) p-Isopropyltoluene	11.487	119	379965	12.27	ppb	98
84) 1,4-Dichlorobenzene	11.598	146	208192	11.52	ppb	99
85) 1,2,3-Trimethylbenzene	11.629	105	156156	11.82	ppb	# 1
86) p-Diethylbenzene	11.924	105	204436	12.36	ppb	98
87) 1,2-Dichlorobenzene	12.027	146	189144	11.60	ppb	# 100
88) n-Butylbenzene	11.954	91	388192	12.18	ppb	97
89) 1,2-Dibromo-3-chloropr...	12.928	75	11035	11.07	ppb	98
90) 1,2,4,5-Tetramethylben...	12.814	119	343268	12.26	ppb	99
91) 1,2,4-Trichlorobenzene	13.846	180	106910	11.42	ppb	100
92) Hexachloro-1,3-Butadiene	14.005	225	46289	11.05	ppb	100
93) Naphthalene	14.139	128	196910	11.74	ppb	99
94) 1,2,3-Trichlorobenzene	14.417	180	81264	11.08	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : C:\msdchem\1\data\V7091616\
Data File : V710484.D
Acq On    : 16 Sep 2016    4:06 pm
InstName  : MSVOA7
Operator  : SS
Sample    : SEQ-CAL4
Misc      : QBV7091616A
ALS Vial  : 8    Sample Multiplier: 1
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Quant Time: Sep 19 11:33:35 2016
Quant Method : C:\msdchem\1\methods\V7LO0059.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Tue Sep 13 10:34:16 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710485.D
 Acq On : 16 Sep 2016 4:32 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CAL5
 Misc : QBV7091616A
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 19 11:17:53 2016
 Quant Method : C:\msdchem\1\methods\V7LO0059.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Sep 13 10:34:16 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.990	70	82198	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.019	117	350301	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	160334	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	88730	9.77	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.70%		
51) Toluene-d8 (SURR)	7.514	98	430762	12.54	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	125.40%		
70) p-Bromofluorobenzene (...)	10.283	95	173709	10.06	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.60%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.630	85	172852	14.14	ppb	100
3) Chloromethane	1.861	50	145343m	16.04	ppb	
4) Vinyl Chloride	1.941	62	202521	14.88	ppb	100
5) Bromomethane	2.300	94	37450m	40.85	ppb	
6) Chloroethane	2.406	64	112309	13.41	ppb	100
7) Trichlorofluoromethane	2.662	101	235329	12.98	ppb	100
8) Ethanol	2.912	45	23479	1101.21	ppb	100
9) Freon-113	3.168	101	175483	13.93	ppb	98
10) 1,1-Dichloroethylene	3.193	61	253012	13.80	ppb	98
11) Acrolein	3.127	56	22790	17.14	ppb	99
12) Acetone	3.285	43	48479	16.84	ppb	98
13) Iodomethane	3.366	142	72813m	40.21	ppb	
14) Methyl Acetate	3.591	43	89062	14.93	ppb	99
15) Carbon disulfide	3.422	76	558693	14.32	ppb	100
16) tert-Butyl Alcohol (TBA)	3.828	59	12792m	16.93	ppb	
17) Methylene Chloride	3.700	49	240475	12.94	ppb	95
18) Acrylonitrile	3.970	53	40799	14.68	ppb	94
19) trans-1,2-Dichloroethy...	3.945	61	269818	14.22	ppb	# 91
20) tert-Butyl Methyl Ethe...	3.928	73	506744	13.85	ppb	99
21) 1,1-Dichloroethane	4.362	63	349416	14.24	ppb	# 97
22) Vinyl Acetate	4.384	43	515306	16.37	ppb	# 100
23) Diisopropyl ether (DIPE)	4.370	45	596837	14.21	ppb	# 89
24) Ethyl-tert-Butyl ether...	4.712	59	602600	13.93	ppb	# 99
25) cis-1,2-Dichloroethylene	4.916	61	308351	13.96	ppb	100
26) 2-Butanone	4.935	72	20482	15.75	ppb	98
27) 2,2-Dichloropropane	4.896	77	256725	12.95	ppb	# 100
28) Tetrahydrofuran	5.191	71	15878	15.86	ppb	90
29) Bromochloromethane	5.152	49	129411	14.34	ppb	100
30) Chloroform	5.216	83	330175	13.70	ppb	# 100
31) 1,1,1-Trichloroethane	5.369	97	274143	13.42	ppb	# 87
32) Cyclohexane	5.400	56	355568	15.62	ppb	97
33) 1,1-Dichloropropylene	5.522	75	280123	14.49	ppb	86
35) Carbon Tetrachloride	5.519	117	239585	13.82	ppb	100
36) tert-Amyl alcohol (TAA)	5.728	59	138563	181.57	ppb	94
37) 1,2-Dichloroethane	5.770	62	212294	13.40	ppb	99
38) Benzene	5.728	78	831711	14.24	ppb	98
39) tert-Amyl methyl ether...	5.792	73	581413	14.03	ppb	# 100
41) Trichloroethylene	6.335	95	209743	21.06	ppb	98
42) Methyl Cyclohexane	6.485	83	366184	23.39	ppb	94
43) Methyl Methacrylate	6.641	69	115988	22.24	ppb	# 100
44) Dibromomethane	6.707	93	104013	21.85	ppb	# 62
45) Bromodichloromethane	6.844	83	248164	20.38	ppb	99
46) 1,2-Dichloropropane	6.571	63	217017	21.50	ppb	98
47) 1,4-Dioxane	6.707	88	20693	421.28	ppb	# 81

Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710485.D
 Acq On : 16 Sep 2016 4:32 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CAL5
 Misc : QBV7091616A
 ALS Vial : 9 Sample Multiplier: 1

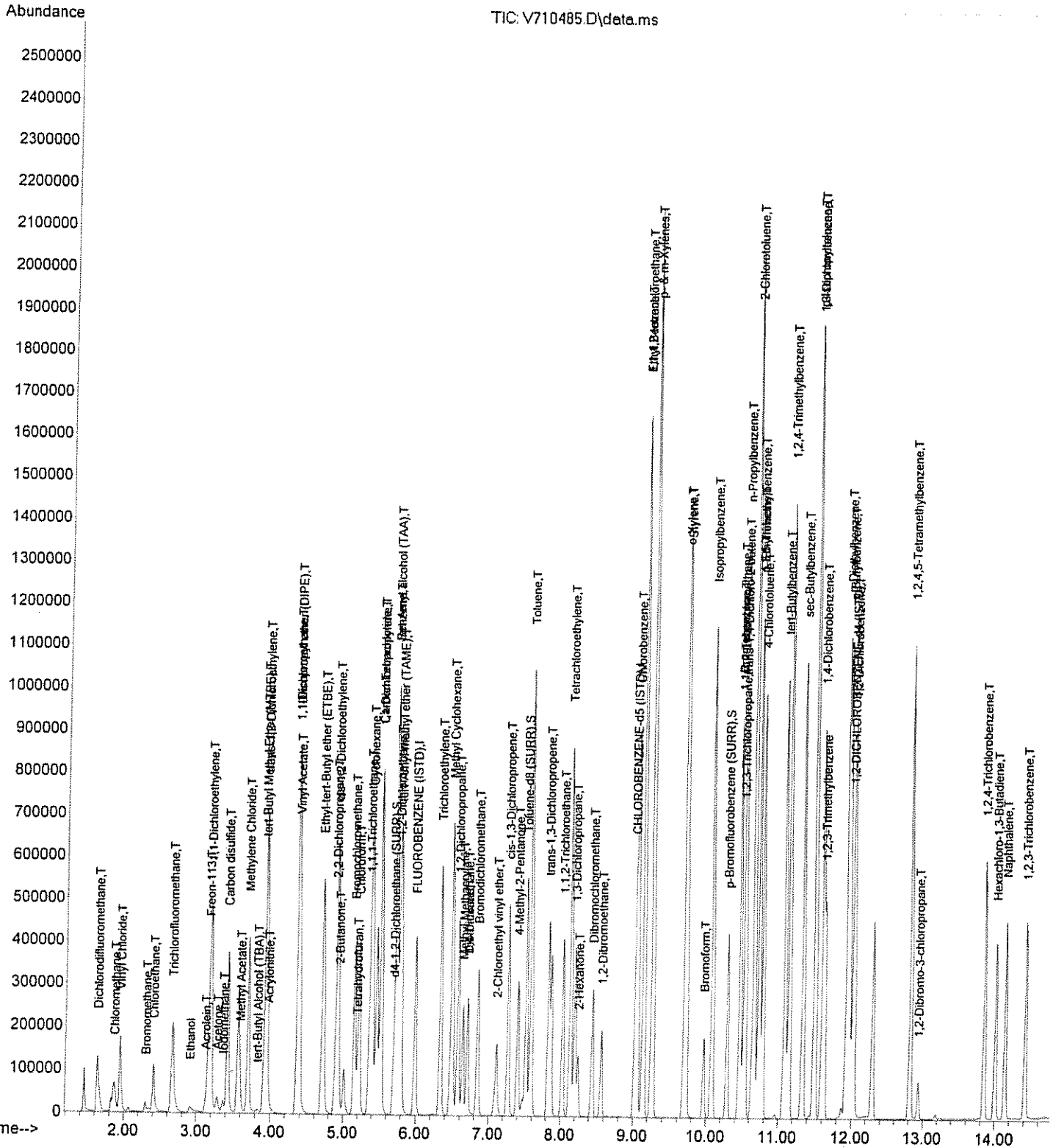
Quant Time: Sep 19 11:17:53 2016
 Quant Method : C:\msdchem\1\methods\V7LO0059.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Sep 13 10:34:16 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Chloroethyl vinyl ether	7.111	63	78457	24.90	ppb	# 100
49) cis-1,3-Dichloropropene	7.269	75	337841	21.36	ppb	91
50) 4-Methyl-2-Pentanone	7.397	43	233885	23.95	ppb	95
52) Toluene	7.584	91	886018	21.61	ppb	100
53) trans-1,3-Dichloropropene	7.826	75	284051	21.02	ppb	# 100
54) 1,1,2-Trichloroethane	8.026	97	157193	21.19	ppb	97
55) 1,3-Dichloropropane	8.196	76	282371	21.36	ppb	# 70
56) Tetrachloroethylene	8.135	166	304086	27.14	ppb	# 100
57) 2-Hexanone	8.246	43	95910	23.70	ppb	75
58) Dibromochloromethane	8.441	129	183311	20.74	ppb	99
59) 1,2-Dibromoethane	8.566	107	155984	21.37	ppb	100
60) Chlorobenzene	9.050	112	585155	21.26	ppb	99
61) 1,1,1,2-tetrachloroethane	9.136	131	204376	21.12	ppb	99
62) Ethyl Benzene	9.136	91	979607	22.15	ppb	100
63) p- & m-Xylenes	9.259	91	1493798	44.53	ppb	99
64) o-Xylene	9.693	91	765094	22.09	ppb	99
65) Styrene	9.715	104	618163	22.61	ppb	# 100
66) Bromoform	9.965	173	105589	20.98	ppb	# 100
68) p-Ethyltoluene	10.722	105	788300	25.40	ppb	# 100
69) Isopropylbenzene	10.079	105	974036	25.54	ppb	97
71) 1,1,2,2-Tetrachloroethane	10.463	83	177437	23.88	ppb	# 100
72) Bromobenzene	10.458	77	361214	23.84	ppb	95
73) trans-1,4-Dichloro-2-b...	10.516	75	195066	24.03	ppb	86
74) 1,2,3-Trichloropropane	10.511	110	50438	23.51	ppb	84
75) n-Propylbenzene	10.533	91	1119320	25.50	ppb	98
76) 2-Chlorotoluene	10.655	91	740072	24.50	ppb	100
77) 4-Chlorotoluene	10.775	91	687685	24.74	ppb	100
78) 1,3,5-Trimethylbenzene	10.722	105	788300	25.40	ppb	99
79) tert-Butylbenzene	11.087	119	667961	26.02	ppb	97
80) 1,2,4-Trimethylbenzene	11.145	105	807915	25.50	ppb	98
81) sec-Butylbenzene	11.331	105	960023	26.35	ppb	97
82) 1,3-Dichlorobenzene	11.496	146	444556	24.67	ppb	100
83) p-Isopropyltoluene	11.487	119	828853	26.37	ppb	98
84) 1,4-Dichlorobenzene	11.596	146	451908	24.63	ppb	99
85) 1,2,3-Trimethylbenzene	11.629	105	330244	24.61	ppb	# 1
86) p-Diethylbenzene	11.924	105	442207	26.34	ppb	98
87) 1,2-Dichlorobenzene	12.027	146	403397	24.37	ppb	# 68
88) n-Butylbenzene	11.955	91	841925	26.01	ppb	99
89) 1,2-Dibromo-3-chloropr...	12.928	75	24799	24.49	ppb	99
90) 1,2,4,5-Tetramethylben...	12.814	119	735032	25.85	ppb	99
91) 1,2,4-Trichlorobenzene	13.844	180	231204	24.33	ppb	98
92) Hexachloro-1,3-Butadiene	14.005	225	103382	24.30	ppb	100
93) Naphthalene	14.139	128	429106	25.20	ppb	100
94) 1,2,3-Trichlorobenzene	14.417	180	180007	24.18	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed


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Data Path : C:\msdchem\1\data\V7091616\  
Data File : V710485.D  
Acq On : 16 Sep 2016 4:32 pm  
InstName : MSVOA7  
Operator : SS  
Sample : SEQ-CAL5  
Misc : QBV7091616A  
ALS Vial : 9 Sample Multiplier: 1
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Quant Time: Sep 19 11:17:53 2016
Quant Method : C:\msdchem\1\methods\V7LO0059.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Tue Sep 13 10:34:16 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710486.D
 Acq On : 16 Sep 2016 4:58 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CAL6
 Misc : QBV7091616A
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 19 11:20:18 2016
 Quant Method : C:\msdchem\1\methods\V7LO0059.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Sep 13 10:34:16 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.987	70	83636	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.019	117	353021	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	159005	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	91206	9.87	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.70%		
51) Toluene-d8 (SURR)	7.514	98	437965	12.65	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	126.50%		
70) p-Bromofluorobenzene (...)	10.285	95	174794	10.21	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.10%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.630	85	318784	25.64	ppb	100
3) Chloromethane	1.863	50	309238m	33.54	ppb	
4) Vinyl Chloride	1.941	62	389889	28.15	ppb	100
5) Bromomethane	2.297	94	92374m	74.35	ppb	
6) Chloroethane	2.406	64	216366	25.39	ppb	100
7) Trichlorofluoromethane	2.665	101	447282	24.24	ppb	100
8) Ethanol	2.912	45	49295	2287.27	ppb	100
9) Freon-113	3.171	101	333289	25.99	ppb	# 78
10) 1,1-Dichloroethylene	3.196	61	489908	26.26	ppb	98
11) Acrolein	3.129	56	47531	35.13	ppb	99
12) Acetone	3.288	43	79875	27.27	ppb	98
13) Iodomethane	3.366	142	169262m	95.54	ppb	
14) Methyl Acetate	3.591	43	175633	28.94	ppb	99
15) Carbon disulfide	3.424	76	1051418	26.48	ppb	100
16) tert-Butyl Alcohol (TBA)	3.825	59	26871m	34.95	ppb	
17) Methylene Chloride	3.700	49	479666	25.37	ppb	96
18) Acrylonitrile	3.964	53	94898	33.56	ppb	97
19) trans-1,2-Dichloroethy...	3.945	61	533757	27.65	ppb	100
20) tert-Butyl Methyl Ethe...	3.925	73	1028632	27.64	ppb	99
21) 1,1-Dichloroethane	4.362	63	676164	27.08	ppb	100
22) Vinyl Acetate	4.387	43	1006057	31.41	ppb	# 100
23) Diisopropyl ether (DIPE)	4.370	45	1191518	27.87	ppb	99
24) Ethyl-tert-Butyl ether...	4.715	59	1216433	27.63	ppb	# 99
25) cis-1,2-Dichloroethylene	4.916	61	608633	27.07	ppb	99
26) 2-Butanone	4.935	72	37441	28.29	ppb	100
27) 2,2-Dichloropropane	4.896	77	498074	24.69	ppb	# 100
28) Tetrahydrofuran	5.188	71	33147	32.53	ppb	# 21
29) Bromochloromethane	5.152	49	251370	27.37	ppb	100
30) Chloroform	5.219	83	666222	27.17	ppb	# 100
31) 1,1,1-Trichloroethane	5.372	97	540029	25.98	ppb	# 87
32) Cyclohexane	5.400	56	652716	28.19	ppb	96
33) 1,1-Dichloropropylene	5.519	75	544757	27.70	ppb	86
35) Carbon Tetrachloride	5.519	117	463110	26.25	ppb	100
36) tert-Amyl alcohol (TAA)	5.728	59	281389	362.39	ppb	# 82
37) 1,2-Dichloroethane	5.772	62	424822	26.35	ppb	100
38) Benzene	5.728	78	1650525	27.78	ppb	99
39) tert-Amyl methyl ether...	5.792	73	1167339	27.69	ppb	# 100
41) Trichloroethylene	6.337	95	415848	41.43	ppb	98
42) Methyl Cyclohexane	6.485	83	676695	42.90	ppb	94
43) Methyl Methacrylate	6.641	69	239001	45.48	ppb	# 100
44) Dibromomethane	6.705	93	212599	44.32	ppb	100
45) Bromodichloromethane	6.844	83	505339	41.18	ppb	99
46) 1,2-Dichloropropane	6.571	63	435164	42.78	ppb	98
47) 1,4-Dioxane	6.710	88	43796	884.76	ppb	97

Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710486.D
 Acq On : 16 Sep 2016 4:58 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CAL6
 Misc : QBV7091616A
 ALS Vial : 10 Sample Multiplier: 1

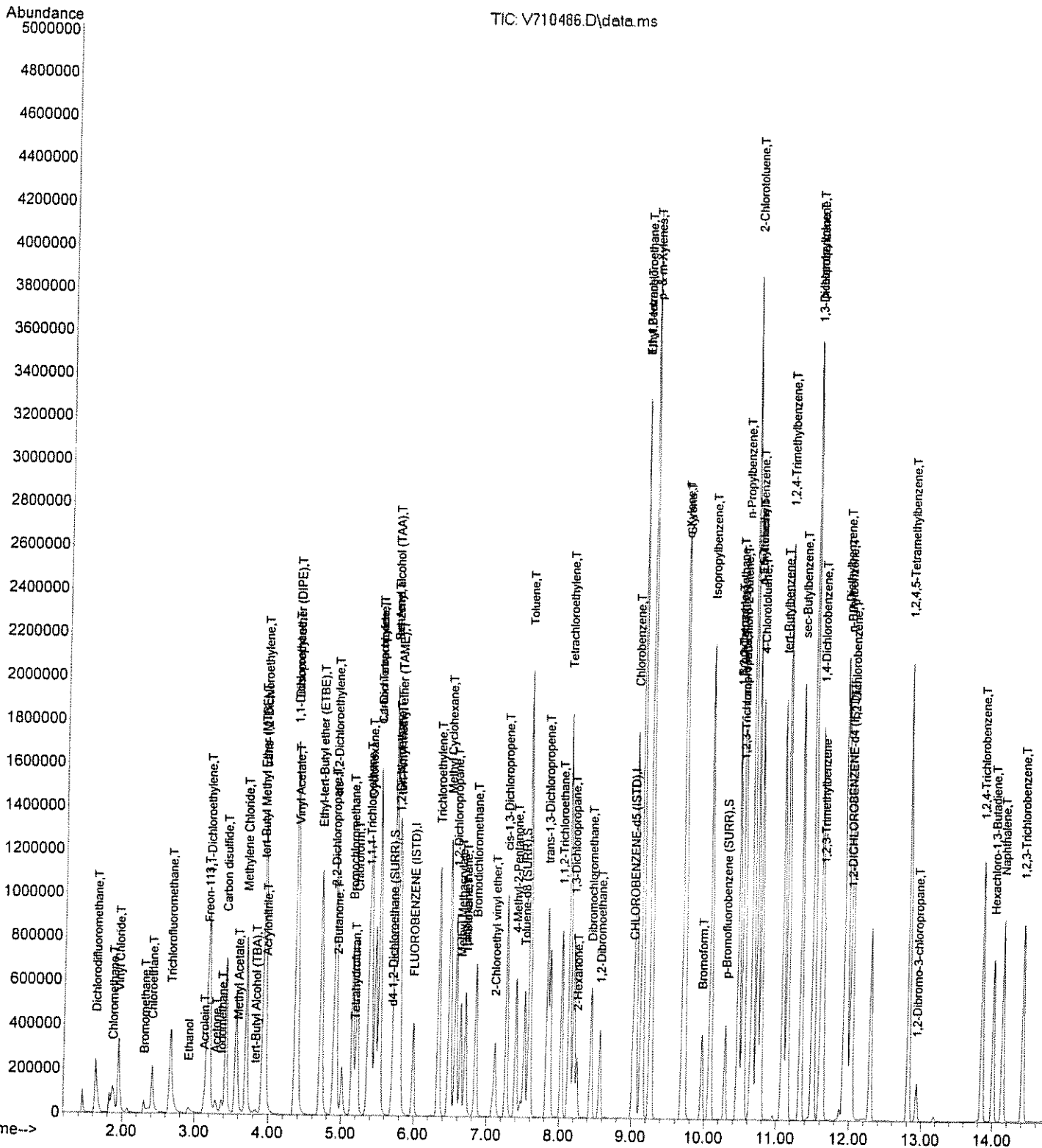
Quant Time: Sep 19 11:20:18 2016
 Quant Method : C:\msdchem\1\methods\V7LO0059.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Sep 13 10:34:16 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Chloroethyl vinyl ether	7.108	63	158959	50.05	ppb	# 100
49) cis-1,3-Dichloropropene	7.269	75	684106	42.91	ppb	91
50) 4-Methyl-2-Pentanone	7.400	43	470212	47.78	ppb	94
52) Toluene	7.584	91	1736869	42.03	ppb	100
53) trans-1,3-Dichloropropene	7.826	75	583243	42.83	ppb	# 100
54) 1,1,2-Trichloroethane	8.026	97	315570	42.20	ppb	97
55) 1,3-Dichloropropane	8.196	76	573237	43.03	ppb	# 70
56) Tetrachloroethylene	8.135	166	649369	57.52	ppb	# 100
57) 2-Hexanone	8.243	43	185149	45.41	ppb	78
58) Dibromochloromethane	8.441	129	377715	42.41	ppb	99
59) 1,2-Dibromoethane	8.566	107	315878	42.94	ppb	100
60) Chlorobenzene	9.050	112	1161662	41.89	ppb	98
61) 1,1,1,2-tetrachloroethane	9.136	131	408754	41.92	ppb	99
62) Ethyl Benzene	9.136	91	1891626	42.43	ppb	100
63) p- & m-Xylenes	9.259	91	2887939	85.42	ppb	99
64) o-Xylene	9.693	91	1490064	42.70	ppb	99
65) Styrene	9.715	104	1216985	44.17	ppb	# 100
66) Bromoform	9.963	173	219160	43.21	ppb	# 99
68) p-Ethyltoluene	10.722	105	1491336	48.45	ppb	# 100
69) Isopropylbenzene	10.079	105	1846174	48.82	ppb	98
71) 1,1,2,2-Tetrachloroethane	10.463	83	352780	47.87	ppb	# 100
72) Bromobenzene	10.458	77	717023	47.71	ppb	95
73) trans-1,4-Dichloro-2-b...	10.516	75	397854	49.42	ppb	84
74) 1,2,3-Trichloropropane	10.513	110	98383	46.23	ppb	85
75) n-Propylbenzene	10.533	91	2116219	48.61	ppb	98
76) 2-Chlorotoluene	10.655	91	1422137	47.48	ppb	100
77) 4-Chlorotoluene	10.775	91	1327190	48.15	ppb	100
78) 1,3,5-Trimethylbenzene	10.722	105	1491336	48.45	ppb	99
79) tert-Butylbenzene	11.087	119	1255971	49.34	ppb	97
80) 1,2,4-Trimethylbenzene	11.145	105	1534743	48.85	ppb	98
81) sec-Butylbenzene	11.331	105	1779111	49.25	ppb	97
82) 1,3-Dichlorobenzene	11.496	146	861604	48.21	ppb	100
83) p-Isopropyltoluene	11.490	119	1545867	49.59	ppb	98
84) 1,4-Dichlorobenzene	11.598	146	877346	48.21	ppb	99
85) 1,2,3-Trimethylbenzene	11.629	105	647006	48.63	ppb	# 1
86) p-Diethylbenzene	11.927	105	816296	49.03	ppb	98
87) 1,2-Dichlorobenzene	12.027	146	785744	47.87	ppb	# 100
88) n-Butylbenzene	11.955	91	1560196	48.60	ppb	99
89) 1,2-Dibromo-3-chloropr...	12.934	75	48880	48.67	ppb	# 69
90) 1,2,4,5-Tetramethylben...	12.814	119	1397308	49.56	ppb	99
91) 1,2,4-Trichlorobenzene	13.849	180	454549	48.24	ppb	99
92) Hexachloro-1,3-Butadiene	14.005	225	188377	44.65	ppb	100
93) Naphthalene	14.139	128	850160	50.34	ppb	100
94) 1,2,3-Trichlorobenzene	14.414	180	353153	47.84	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : C:\msdchem\1\data\V7091616\  
Data File : V710486.D  
Acq On : 16 Sep 2016 4:58 pm  
InstName : MSVOA7  
Operator : SS  
Sample : SEQ-CAL6  
Misc : QBV7091616A  
ALS Vial : 10 Sample Multiplier: 1
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Quant Time: Sep 19 11:20:18 2016
Quant Method : C:\msdchem\1\methods\V7LO0059.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Tue Sep 13 10:34:16 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710487.D
 Acq On : 16 Sep 2016 5:24 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CAL7
 Misc : QBV7091616A
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 19 11:22:37 2016
 Quant Method : C:\msdchem\1\methods\V7LO0059.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Sep 13 10:34:16 2016
 Response via : Initial Calibration .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.987	70	85681	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	357023	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	150596	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	90121	9.52	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.20%		
51) Toluene-d8 (SURR)	7.517	98	447859	12.79	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	127.90%		
70) p-Bromofluorobenzene (...)	10.285	95	172682	10.65	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	106.50%		
Target Compounds						
2) Dichlorodifluoromethane	1.630	85	586447	46.03	ppb	Qvalue 100
3) Chloromethane	1.819	50	683008m	72.30	ppb	
4) Vinyl Chloride	1.941	62	770563	54.31	ppb	100
5) Bromomethane	2.297	94	244134m	131.89	ppb	
6) Chloroethane	2.406	64	413505	47.37	ppb	100
7) Trichlorofluoromethane	2.662	101	860629	45.54	ppb	100
8) Ethanol	2.912	45	104964	4635.20	ppb	100
9) Freon-113	3.168	101	629519	47.93	ppb	98
10) 1,1-Dichloroethylene	3.196	61	944690	49.42	ppb	97
11) Acrolein	3.127	56	91481	65.99	ppb	99
12) Acetone	3.282	43	151926	50.64	ppb	98
13) Iodomethane	3.363	142	373307m	Below Cal		
14) Methyl Acetate	3.588	43	347175	55.85	ppb	99
15) Carbon disulfide	3.424	76	2119811	52.12	ppb	100
16) tert-Butyl Alcohol (TBA)	3.825	59	53261m	67.63	ppb	
17) Methylene Chloride	3.700	49	992898	51.27	ppb	95
18) Acrylonitrile	3.964	53	188493	65.06	ppb	99
19) trans-1,2-Dichloroethy...	3.947	61	1055352	53.37	ppb	100
20) tert-Butyl Methyl Ethe...	3.928	73	2086647	54.73	ppb	99
21) 1,1-Dichloroethane	4.365	63	1349854	52.78	ppb	100
22) Vinyl Acetate	4.387	43	2106108	64.18	ppb	# 100
23) Diisopropyl ether (DIPE)	4.370	45	2409861	55.02	ppb	99
24) Ethyl-tert-Butyl ether...	4.712	59	2494387	55.30	ppb	# 99
25) cis-1,2-Dichloroethylene	4.916	61	1234650	53.61	ppb	99
26) 2-Butanone	4.935	72	72357	53.38	ppb	98
27) 2,2-Dichloropropane	4.899	77	1008001	48.78	ppb	# 100
28) Tetrahydrofuran	5.188	71	65306	62.57	ppb	# 21
29) Bromochloromethane	5.152	49	499486	53.08	ppb	100
30) Chloroform	5.219	83	1338619	53.28	ppb	# 100
31) 1,1,1-Trichloroethane	5.369	97	1099636	51.64	ppb	# 87
32) Cyclohexane	5.400	56	1282761	54.07	ppb	96
33) 1,1-Dichloropropylene	5.522	75	1087826	54.00	ppb	86
35) Carbon Tetrachloride	5.519	117	935838	51.77	ppb	100
36) tert-Amyl alcohol (TAA)	5.731	59	527459	663.09	ppb	# 71
37) 1,2-Dichloroethane	5.770	62	858173	51.96	ppb	100
38) Benzene	5.728	78	3311377	54.41	ppb	98
39) tert-Amyl methyl ether...	5.789	73	2354734	54.53	ppb	# 100
41) Trichloroethylene	6.335	95	845394	83.28	ppb	98
42) Methyl Cyclohexane	6.485	83	1362410	85.40	ppb	94
43) Methyl Methacrylate	6.638	69	478531	90.04	ppb	# 100
44) Dibromomethane	6.705	93	422311	87.06	ppb	100
45) Bromodichloromethane	6.844	83	1048277	84.47	ppb	99
46) 1,2-Dichloropropane	6.571	63	894422	86.94	ppb	# 84
47) 1,4-Dioxane	6.710	88	84094	1679.81	ppb	99

Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710487.D
 Acq On : 16 Sep 2016 5:24 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CAL7
 Misc : QBV7091616A
 ALS Vial : 11 Sample Multiplier: 1

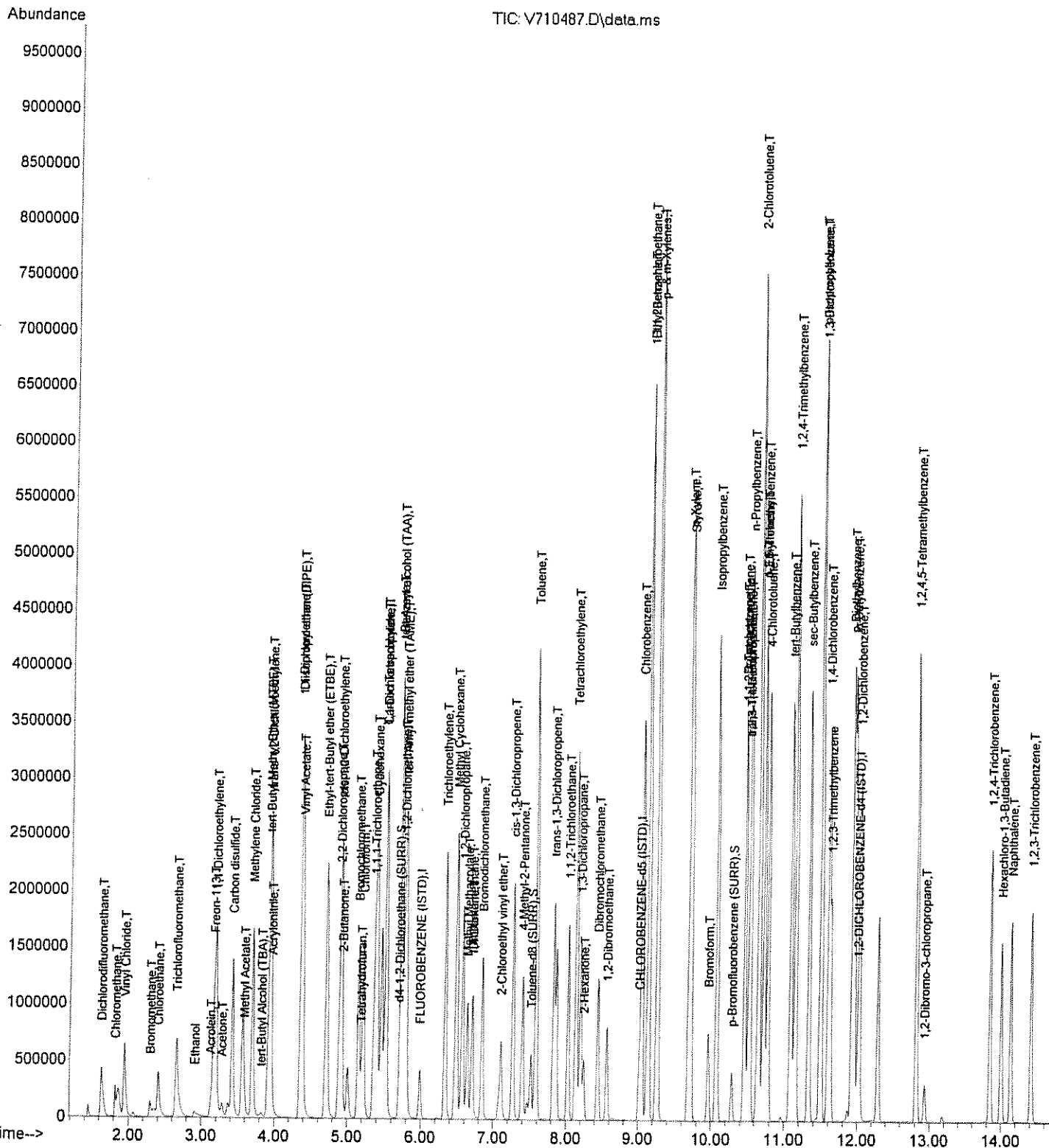
Quant Time: Sep 19 11:22:37 2016
 Quant Method : C:\msdchem\1\methods\V7LO0059.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Sep 13 10:34:16 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Chloroethyl vinyl ether	7.108	63	324821	101.13	ppb	# 100
49) cis-1,3-Dichloropropene	7.269	75	1407759	87.32	ppb	91
50) 4-Methyl-2-Pentanone	7.400	43	935543	94.00	ppb	94
52) Toluene	7.587	91	3519156	84.20	ppb	100
53) trans-1,3-Dichloropropene	7.829	75	1191211	86.49	ppb	# 100
54) 1,1,2-Trichloroethane	8.026	97	638718	84.46	ppb	97
55) 1,3-Dichloropropane	8.196	76	1148382	85.24	ppb	# 95
56) Tetrachloroethylene	8.135	166	1155704	101.21	ppb	# 100
57) 2-Hexanone	8.243	43	359547	87.19	ppb	79
58) Dibromochloromethane	8.441	129	781376	86.76	ppb	99
59) 1,2-Dibromoethane	8.566	107	634065	85.23	ppb	100
60) Chlorobenzene	9.053	112	2358436	84.09	ppb	98
61) 1,1,1,2-tetrachloroethane	9.136	131	831277	84.30	ppb	99
62) Ethyl Benzene	9.139	91	3776029	83.75	ppb	100
63) p- & m-Xylenes	9.261	91	5657061	165.45	ppb	99
64) o-Xylene	9.695	91	2981716	84.48	ppb	99
65) Styrene	9.718	104	2414687	86.66	ppb	# 100
66) Bromoform	9.968	173	443736	86.51	ppb	# 76
68) p-Ethyltoluene	10.725	105	2894007	99.27	ppb	# 100
69) Isopropylbenzene	10.079	105	3657198	102.11	ppb	98
71) 1,1,2,2-Tetrachloroethane	10.466	83	684344	98.05	ppb	# 68
72) Bromobenzene	10.458	77	1424553	100.08	ppb	95
73) trans-1,4-Dichloro-2-b...	10.516	75	773361	101.43	ppb	84
74) 1,2,3-Trichloropropane	10.516	110	190838	94.69	ppb	86
75) n-Propylbenzene	10.536	91	4131694	100.20	ppb	99
76) 2-Chlorotoluene	10.658	91	2792359	98.43	ppb	100
77) 4-Chlorotoluene	10.778	91	2596155	99.45	ppb	100
78) 1,3,5-Trimethylbenzene	10.725	105	2894007	99.27	ppb	99
79) tert-Butylbenzene	11.089	119	2468503	102.38	ppb	96
80) 1,2,4-Trimethylbenzene	11.148	105	2997248	100.74	ppb	98
81) sec-Butylbenzene	11.334	105	3472229	101.48	ppb	98
82) 1,3-Dichlorobenzene	11.498	146	1667634	98.51	ppb	99
83) p-Isopropyltoluene	11.490	119	2998907	101.58	ppb	98
84) 1,4-Dichlorobenzene	11.601	146	1716962	99.62	ppb	99
85) 1,2,3-Trimethylbenzene	11.629	105	1256259	99.69	ppb	# 1
86) p-Diethylbenzene	11.924	105	1614335	102.37	ppb	99
87) 1,2-Dichlorobenzene	12.027	146	1530446	98.45	ppb	# 100
88) n-Butylbenzene	11.957	91	3041348	100.03	ppb	98
89) 1,2-Dibromo-3-chloropr...	12.934	75	95110	100.00	ppb	96
90) 1,2,4,5-Tetramethylben...	12.817	119	2783151	104.22	ppb	99
91) 1,2,4-Trichlorobenzene	13.849	180	912560	102.25	ppb	99
92) Hexachloro-1,3-Butadiene	14.005	225	398886	99.83	ppb	99
93) Naphthalene	14.141	128	1681098	105.10	ppb	100
94) 1,2,3-Trichlorobenzene	14.417	180	712528	101.90	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\V7091616\
Data File : V710487.D
Acq On : 16 Sep 2016 5:24 pm
InstName : MSVOA7
Operator : SS
Sample : SEQ-CAL7
Misc : QBV7091616A
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 19 11:22:37 2016
Quant Method : C:\msdchem\1\methods\V7LO0059.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Tue Sep 13 10:34:16 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710488.D
 Acq On : 16 Sep 2016 5:50 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CAL8
 Misc : QBV7091616A
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 19 11:31:38 2016
 Quant Method : C:\msdchem\1\methods\V7L00059.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Sep 13 10:34:16 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	85007	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	354846	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.007	152	145759	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	90040	9.59	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.90%		
51) Toluene-d8 (SURR)	7.517	98	447018	12.85	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	128.50%		
70) p-Bromofluorobenzene (...)	10.285	95	168892	10.76	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	107.60%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.627	85	910972	72.08	ppb	100
3) Chloromethane	1.819	50	1102384m	117.63	ppb	
4) Vinyl Chloride	1.941	62	1167252	82.92	ppb	100
5) Bromomethane	2.295	94	476679m	193.60	ppb	
6) Chloroethane	2.406	64	607659	70.16	ppb	100
7) Trichlorofluoromethane	2.662	101	1323377	70.57	ppb	100
8) Ethanol	2.915	45	190999	8101.47	ppb	100
9) Freon-113	3.171	101	984051	75.51	ppb	# 68
10) 1,1-Dichloroethylene	3.196	61	1438282	75.85	ppb	98
11) Acrolein	3.127	56	145308	105.65	ppb	100
12) Acetone	3.285	43	230588	77.47	ppb	98
13) Iodomethane	3.366	142	546819m	Below	Cal	
14) Methyl Acetate	3.588	43	536448	86.98	ppb	99
15) Carbon disulfide	3.424	76	3179492	78.80	ppb	100
16) tert-Butyl Alcohol (TBA)	3.825	59	82337m	105.37	ppb	
17) Methylene Chloride	3.700	49	1518059	79.01	ppb	94
18) Acrylonitrile	3.964	53	293359	102.06	ppb	98
19) trans-1,2-Dichloroethy...	3.947	61	1583097	80.69	ppb	# 91
20) tert-Butyl Methyl Ethe...	3.925	73	3226629	85.30	ppb	99
21) 1,1-Dichloroethane	4.365	63	2006198	79.07	ppb	100
22) Vinyl Acetate	4.387	43	3127231	96.06	ppb	# 100
23) Diisopropyl ether (DIPE)	4.370	45	3611884	83.12	ppb	99
24) Ethyl-tert-Butyl ether...	4.715	59	3816740	85.29	ppb	# 80
25) cis-1,2-Dichloroethylene	4.918	61	1855604	81.21	ppb	99
26) 2-Butanone	4.932	72	110947	82.49	ppb	99
27) 2,2-Dichloropropane	4.899	77	1528724	74.57	ppb	# 100
28) Tetrahydrofuran	5.188	71	100553	97.10	ppb	# 21
29) Bromochloromethane	5.155	49	778557	83.39	ppb	99
30) Chloroform	5.219	83	1996579	80.11	ppb	# 100
31) 1,1,1-Trichloroethane	5.369	97	1682198	79.62	ppb	# 87
32) Cyclohexane	5.400	56	1951136	82.90	ppb	95
33) 1,1-Dichloropropylene	5.522	75	1637330	81.92	ppb	86
35) Carbon Tetrachloride	5.519	117	1416775	79.00	ppb	100
36) tert-Amyl alcohol (TAA)	5.728	59	816490	1034.58	ppb	# 86
37) 1,2-Dichloroethane	5.772	62	1283960	78.35	ppb	# 98
38) Benzene	5.728	78	4924028	81.55	ppb	99
39) tert-Amyl methyl ether...	5.792	73	3551752	82.90	ppb	# 90
41) Trichloroethylene	6.334	95	1292702	128.12	ppb	99
42) Methyl Cyclohexane	6.487	83	2091265	131.89	ppb	94
43) Methyl Methacrylate	6.641	69	740924	140.27	ppb	# 82
44) Dibromomethane	6.707	93	561584	116.48	ppb	100
45) Bromodichloromethane	6.844	83	1597052	129.48	ppb	99
46) 1,2-Dichloropropane	6.571	63	1347270	131.76	ppb	98
47) 1,4-Dioxane	6.707	88	132633	2665.65	ppb	97

Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710488.D
 Acq On : 16 Sep 2016 5:50 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CAL8
 Misc : QBV7091616A
 ALS Vial : 12 Sample Multiplier: 1

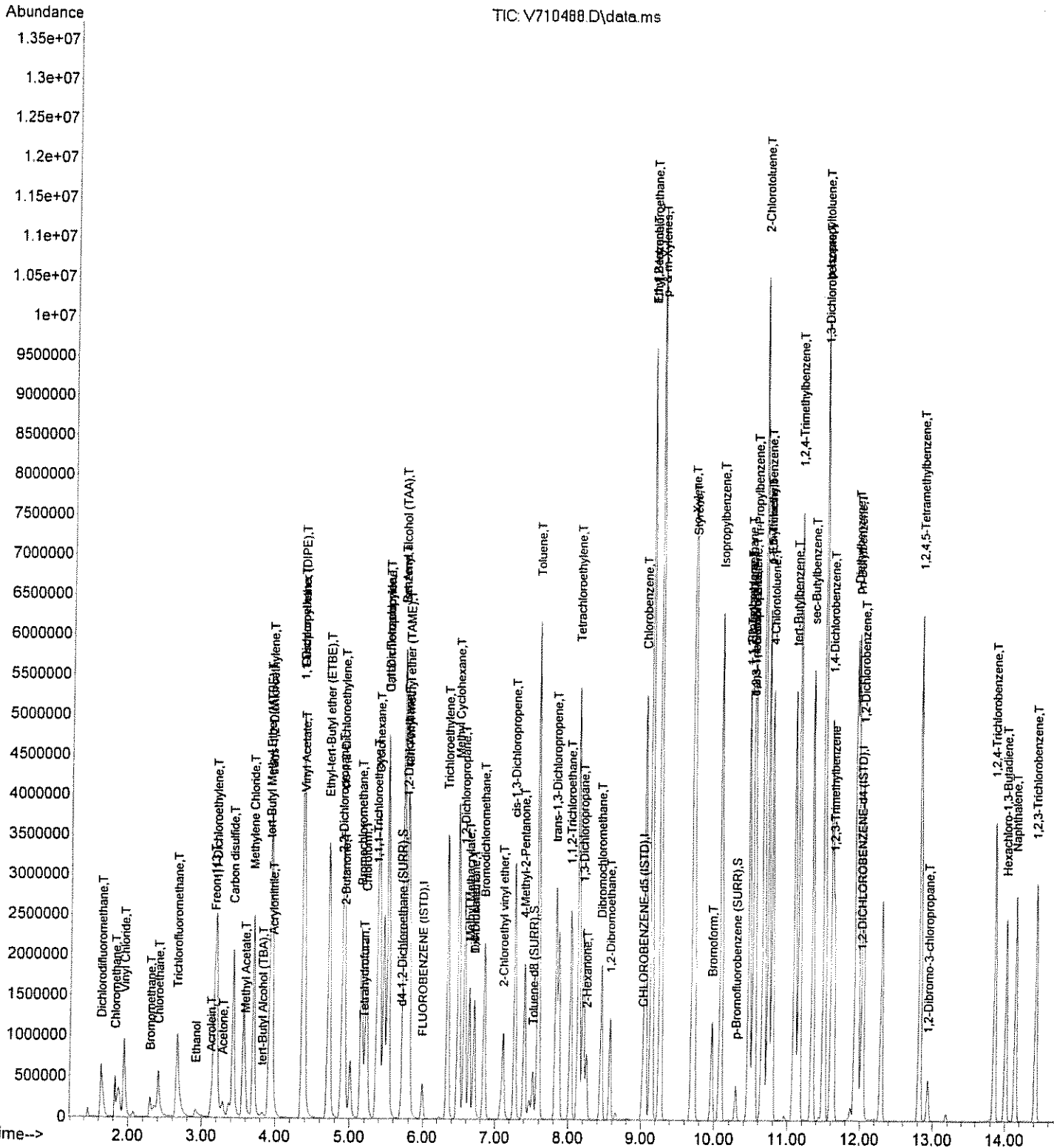
Quant Time: Sep 19 11:31:38 2016
 Quant Method : C:\msdchem\1\methods\V7LO0059.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Sep 13 10:34:16 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Chloroethyl vinyl ether	7.111	63	490970	153.80	ppb	# 100
49) cis-1,3-Dichloropropene	7.269	75	2136037	133.31	ppb	91
50) 4-Methyl-2-Pentanone	7.400	43	1436517	145.23	ppb	93
52) Toluene	7.586	91	5225489	125.79	ppb	100
53) trans-1,3-Dichloropropene	7.829	75	1814996	132.58	ppb	# 100
54) 1,1,2-Trichloroethane	8.029	97	975604	129.80	ppb	97
55) 1,3-Dichloropropane	8.199	76	1732521	129.39	ppb	# 70
56) Tetrachloroethylene	8.137	166	1871903	164.94	ppb	# 100
57) 2-Hexanone	8.246	43	547428	133.57	ppb	77
58) Dibromochloromethane	8.441	129	1195394	133.54	ppb	99
59) 1,2-Dibromoethane	8.566	107	968916	131.04	ppb	100
60) Chlorobenzene	9.053	112	3503532	125.69	ppb	98
61) 1,1,1,2-tetrachloroethane	9.139	131	1216943	124.17	ppb	99
62) Ethyl Benzene	9.139	91	5496555	122.66	ppb	100
63) p- & m-Xylenes	9.261	91	8059712	237.17	ppb	100
64) o-Xylene	9.695	91	4350698	124.03	ppb	99
65) Styrene	9.720	104	3460599	124.96	ppb	# 100
66) Bromoform	9.968	173	682018	133.78	ppb	# 76
68) p-Ethyltoluene	10.728	105	4165571	147.63	ppb	# 100
69) Isopropylbenzene	10.082	105	5333054	153.84	ppb	98
71) 1,1,2,2-Tetrachloroethane	10.466	83	1023595	151.52	ppb	# 100
72) Bromobenzene	10.461	77	2088242	151.58	ppb	95
73) trans-1,4-Dichloro-2-b...	10.519	75	1158687	157.02	ppb	83
74) 1,2,3-Trichloropropane	10.519	110	284525	145.86	ppb	85
75) n-Propylbenzene	10.538	91	5951703	149.12	ppb	99
76) 2-Chlorotoluene	10.661	91	4019397	146.39	ppb	100
77) 4-Chlorotoluene	10.781	91	3705971	146.68	ppb	100
78) 1,3,5-Trimethylbenzene	10.728	105	4165571	147.63	ppb	99
79) tert-Butylbenzene	11.089	119	3608418	154.63	ppb	97
80) 1,2,4-Trimethylbenzene	11.151	105	4324262	150.16	ppb	98
81) sec-Butylbenzene	11.334	105	5090374	153.72	ppb	98
82) 1,3-Dichlorobenzene	11.501	146	2391627	145.97	ppb	99
83) p-Isopropyltoluene	11.493	119	4379052	153.25	ppb	98
84) 1,4-Dichlorobenzene	11.598	146	2493556	149.48	ppb	99
85) 1,2,3-Trimethylbenzene	11.632	105	1825828	149.70	ppb	# 1
86) p-Diethylbenzene	11.930	105	2398813	157.16	ppb	99
87) 1,2-Dichlorobenzene	12.030	146	2244465	149.17	ppb	# 100
88) n-Butylbenzene	11.957	91	4479488	152.22	ppb	98
89) 1,2-Dibromo-3-chloropr...	12.931	75	150045	162.99	ppb	96
90) 1,2,4,5-Tetramethylben...	12.820	119	4211773	162.95	ppb	99
91) 1,2,4-Trichlorobenzene	13.849	180	1441585	166.89	ppb	99
92) Hexachloro-1,3-Butadiene	14.008	225	630428	163.01	ppb	100
93) Naphthalene	14.139	128	2671836	172.59	ppb	100
94) 1,2,3-Trichlorobenzene	14.417	180	1136058	167.87	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\V7091616\
Data File : V710488.D
Acq On : 16 Sep 2016 5:50 pm
InstName : MSVOA7
Operator : SS
Sample : SEQ-CAL8
Misc : QBV7091616A
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 19 11:31:38 2016
Quant Method : C:\msdchem\1\methods\V7LO0059.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Tue Sep 13 10:34:16 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710489.D
 Acq On : 16 Sep 2016 6:16 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CAL9
 Misc : QBV7091616A
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 19 11:32:29 2016
 Quant Method : C:\msdchem\1\methods\V7LQ0059.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Sep 13 10:34:16 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	85045	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	356708	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.007	152	141564	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	84862	9.03	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.30%		
51) Toluene-d8 (SURR)	7.520	98	448248	12.81	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	128.10%		
70) p-Bromofluorobenzene (...)	10.285	95	166486	10.92	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	109.20%		
Target Compounds						
2) Dichlorodifluoromethane	1.627	85	1273614	100.72	ppb	Qvalue 100
3) Chloromethane	1.819	50	1591256m	169.71	ppb	
4) Vinyl Chloride	1.941	62	1671244	118.67	ppb	100
5) Bromomethane	2.295	94	691340m	237.52	ppb	
6) Chloroethane	2.403	64	817109	94.30	ppb	100
7) Trichlorofluoromethane	2.659	101	1835784	97.86	ppb	100
8) Ethanol	2.912	45	245467	10115.75	ppb	100
9) Freon-113	3.171	101	1324859	101.62	ppb	98
10) 1,1-Dichloroethylene	3.193	61	2014436	106.18	ppb	96
11) Acrolein	3.124	56	203104	147.61	ppb	100
12) Acetone	3.285	43	269365	90.46	ppb	98
13) Iodomethane	3.363	142	693118m	Below Cal		
14) Methyl Acetate	3.588	43	743669	120.53	ppb	99
15) Carbon disulfide	3.421	76	4417855	109.44	ppb	100
16) tert-Butyl Alcohol (TBA)	3.822	59	110836m	141.78	ppb	
17) Methylene Chloride	3.697	49	2079310	108.17	ppb	94
18) Acrylonitrile	3.964	53	397950	138.39	ppb	98
19) trans-1,2-Dichloroethy...	3.947	61	2175958	110.86	ppb	# 91
20) tert-Butyl Methyl Ethe...	3.922	73	4357990	115.15	ppb	# 94
21) 1,1-Dichloroethane	4.365	63	2710646	106.78	ppb	100
22) Vinyl Acetate	4.390	43	4390326	134.80	ppb	# 100
23) Diisopropyl ether (DIPE)	4.370	45	4747106	109.20	ppb	98
24) Ethyl-tert-Butyl ether...	4.712	59	5112293	114.19	ppb	# 99
25) cis-1,2-Dichloroethylene	4.915	61	2498713	109.31	ppb	99
26) 2-Butanone	4.932	72	144240	107.20	ppb	94
27) 2,2-Dichloropropane	4.896	77	2021092	98.55	ppb	# 100
28) Tetrahydrofuran	5.188	71	139303	134.46	ppb	# 21
29) Bromochloromethane	5.155	49	1074370	115.03	ppb	98
30) Chloroform	5.219	83	2666783	106.95	ppb	# 100
31) 1,1,1-Trichloroethane	5.369	97	2334737	110.46	ppb	# 87
32) Cyclohexane	5.400	56	2658150	112.89	ppb	95
33) 1,1-Dichloropropylene	5.522	75	2248622	112.46	ppb	85
35) Carbon Tetrachloride	5.519	117	1918564	106.93	ppb	100
36) tert-Amyl alcohol (TAA)	5.728	59	1092941	1384.25	ppb	# 86
37) 1,2-Dichloroethane	5.772	62	1580036	96.38	ppb	100
38) Benzene	5.728	78	6530947	108.11	ppb	98
39) tert-Amyl methyl ether...	5.792	73	4664219	108.82	ppb	# 100
41) Trichloroethylene	6.334	95	1751164	172.66	ppb	98
42) Methyl Cyclohexane	6.487	83	2875247	180.39	ppb	94
43) Methyl Methacrylate	6.640	69	999295	188.20	ppb	# 99
44) Dibromomethane	6.707	93	708009	146.08	ppb	# 73
45) Bromodichloromethane	6.846	83	2142197	172.77	ppb	99
46) 1,2-Dichloropropane	6.571	63	1809102	176.00	ppb	98
47) 1,4-Dioxane	6.707	88	178941	3577.58	ppb	98

Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710489.D
 Acq On : 16 Sep 2016 6:16 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CAL9
 Misc : QBV7091616A
 ALS Vial : 13 Sample Multiplier: 1

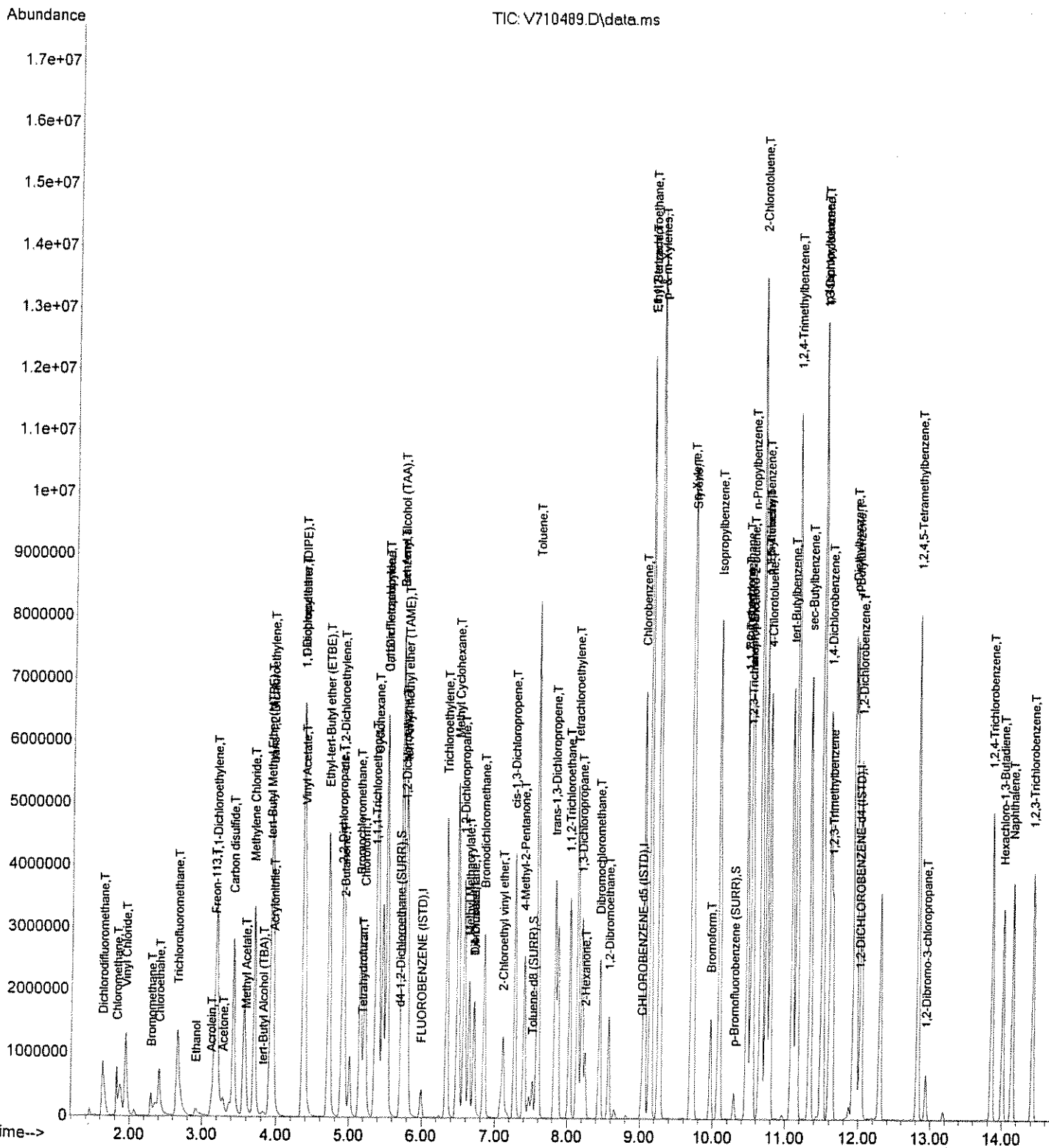
Quant Time: Sep 19 11:32:29 2016
 Quant Method : C:\msdchem\1\methods\V7LO0059.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Sep 13 10:34:16 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Chloroethyl vinyl ether	7.108	63	601819	187.54	ppb	# 100
49) cis-1,3-Dichloropropene	7.269	75	2840520	176.35	ppb	91
50) 4-Methyl-2-Pentanone	7.403	43	1925187	193.61	ppb	93
52) Toluene	7.586	91	6979745	167.14	ppb	100
53) trans-1,3-Dichloropropene	7.831	75	2409587	175.10	ppb	# 86
54) 1,1,2-Trichloroethane	8.029	97	1306457	172.91	ppb	97
55) 1,3-Dichloropropane	8.199	76	2301098	170.96	ppb	# 94
56) Tetrachloroethylene	8.140	166	1886371	165.35	ppb	# 100
57) 2-Hexanone	8.243	43	712732	172.99	ppb	79
58) Dibromochloromethane	8.443	129	1600813	177.90	ppb	99
59) 1,2-Dibromoethane	8.566	107	1287696	173.25	ppb	100
60) Chlorobenzene	9.053	112	4647721	165.87	ppb	99
61) 1,1,1,2-tetrachloroethane	9.139	131	1593045	161.70	ppb	99
62) Ethyl Benzene	9.142	91	7207928	160.02	ppb	100
63) p- & m-Xylenes	9.264	91	10356349	303.16	ppb	100
64) o-Xylene	9.698	91	5695171	161.51	ppb	99
65) Styrene	9.720	104	4466258	160.43	ppb	# 100
66) Bromoform	9.968	173	911244	177.81	ppb	# 76
68) p-Ethyltoluene	10.730	105	5416241	197.64	ppb	# 100
69) Isopropylbenzene	10.082	105	7002054	207.97	ppb	98
71) 1,1,2,2-Tetrachloroethane	10.469	83	1371564	209.05	ppb	# 68
72) Bromobenzene	10.460	77	2740294	204.80	ppb	96
73) trans-1,4-Dichloro-2-b...	10.522	75	1526670	213.01	ppb	83
74) 1,2,3-Trichloropropane	10.519	110	373529	197.17	ppb	86
75) n-Propylbenzene	10.538	91	7736690	199.59	ppb	99
76) 2-Chlorotoluene	10.661	91	5184577	194.42	ppb	100
77) 4-Chlorotoluene	10.783	91	4780599	194.82	ppb	100
78) 1,3,5-Trimethylbenzene	10.730	105	5416241	197.64	ppb	99
79) tert-Butylbenzene	11.092	119	4736457	208.98	ppb	97
80) 1,2,4-Trimethylbenzene	11.153	105	5554859	198.61	ppb	98
81) sec-Butylbenzene	11.334	105	6597553	205.13	ppb	98
82) 1,3-Dichlorobenzene	11.501	146	3092418	194.33	ppb	99
83) p-Isopropyltoluene	11.493	119	5645453	203.42	ppb	99
84) 1,4-Dichlorobenzene	11.601	146	3235061	199.68	ppb	99
85) 1,2,3-Trimethylbenzene	11.635	105	2349280	198.32	ppb	# 1
86) p-Diethylbenzene	11.930	105	3118844	210.39	ppb	99
87) 1,2-Dichlorobenzene	12.030	146	2916280	199.56	ppb	# 100
88) n-Butylbenzene	11.960	91	5793236	202.69	ppb	97
89) 1,2-Dibromo-3-chloropr...	12.934	75	201581	225.46	ppb	95
90) 1,2,4,5-Tetramethylben...	12.820	119	5480225	218.31	ppb	99
91) 1,2,4-Trichlorobenzene	13.849	180	1920842	228.96	ppb	99
92) Hexachloro-1,3-Butadiene	14.008	225	853091	227.13	ppb	99
93) Naphthalene	14.141	128	3585934	238.50	ppb	100
94) 1,2,3-Trichlorobenzene	14.417	180	1527751	232.43	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : C:\msdchem\1\data\V7091616\  
Data File : V710489.D  
Acq On : 16 Sep 2016 6:16 pm  
InstName : MSVOA7  
Operator : SS  
Sample : SEQ-CAL9  
Misc : QBV7091616A  
ALS Vial : 13 Sample Multiplier: 1
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Quant Time: Sep 19 11:32:29 2016
Quant Method : C:\msdchem\1\methods\V7\LO0059.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Tue Sep 13 10:34:16 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710492.D
 Acq On : 16 Sep 2016 7:34 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-SCV1
 Misc : QBV7091616A
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 19 11:48:50 2016
 Quant Method : C:\msdchem\1\methods\V7LO0060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.984	70	81935	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.019	117	353367	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	158965	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.694	65	88047	10.08	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.80%		
51) Toluene-d8 (SURR)	7.514	98	433684	9.87	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.70%		
70) p-Bromofluorobenzene (...)	10.282	95	173901	9.74	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.40%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.627	85	79343	10.03	ppb	100
3) Chloromethane	1.863	50	70990m	9.37	ppb	
4) Vinyl Chloride	1.941	62	97789	10.16	ppb	# 86
5) Bromomethane	2.297	94	28650m	15.87	ppb	
6) Chloroethane	2.409	64	54768	10.04	ppb	100
7) Trichlorofluoromethane	2.662	101	116850	10.74	ppb	99
8) Ethanol	2.918	45	13811m	453.94	ppb	
9) Freon-113	3.171	101	85364	10.28	ppb	98
10) 1,1-Dichloroethylene	3.193	61	125127	10.40	ppb	98
11) Acrolein	3.126	56	8490	7.95	ppb	100
12) Acetone	3.285	43	23387	11.17	ppb	99
13) Iodomethane	3.368	142	36405m	11.34	ppb	
14) Methyl Acetate	3.594	43	42794	9.81	ppb	99
15) Carbon disulfide	3.424	76	278055	10.52	ppb	100
16) tert-Butyl Alcohol (TBA)	3.828	59	6118m	9.78	ppb	
17) Methylene Chloride	3.697	49	114081	9.21	ppb	95
18) Acrylonitrile	3.967	53	19788	9.31	ppb	95
19) trans-1,2-Dichloroethy...	3.944	61	135224	10.42	ppb	100
20) tert-Butyl Methyl Ethe...	3.925	73	251626	10.23	ppb	# 92
21) 1,1-Dichloroethane	4.362	63	177930	10.66	ppb	100
22) Vinyl Acetate	4.384	43	243038	9.73	ppb	100
23) Diisopropyl ether (DIPE)	4.367	45	305521	10.48	ppb	99
24) Ethyl-tert-Butyl ether...	4.715	59	293932	9.93	ppb	# 99
25) cis-1,2-Dichloroethylene	4.915	61	151668	10.19	ppb	100
26) 2-Butanone	4.935	72	9297	9.32	ppb	92
27) 2,2-Dichloropropane	4.896	77	119552	9.74	ppb	# 100
28) Tetrahydrofuran	5.196	71	7658	10.26	ppb	91
29) Bromochloromethane	5.155	49	69088	10.85	ppb	# 68
30) Chloroform	5.216	83	167456	10.48	ppb	# 100
31) 1,1,1-Trichloroethane	5.372	97	136703	10.37	ppb	100
32) Cyclohexane	5.399	56	167147	10.26	ppb	96
33) 1,1-Dichloropropylene	5.522	75	135524	10.27	ppb	86
35) Carbon Tetrachloride	5.519	117	115075	10.51	ppb	# 58
36) tert-Amyl alcohol (TAA)	5.731	59	63150	100.79	ppb	# 70
37) 1,2-Dichloroethane	5.770	62	102394	10.30	ppb	# 87
38) Benzene	5.728	78	416093	10.37	ppb	95
39) tert-Amyl methyl ether...	5.789	73	287989	10.34	ppb	# 100
41) Trichloroethylene	6.334	95	104775	10.15	ppb	99
42) Methyl Cyclohexane	6.487	83	171506	9.98	ppb	94
43) Methyl Methacrylate	6.638	69	56225	10.02	ppb	# 99
44) Dibromomethane	6.707	93	51655	10.49	ppb	99
45) Bromodichloromethane	6.846	83	121896	9.96	ppb	98
46) 1,2-Dichloropropane	6.571	63	106329	9.91	ppb	# 84
47) 1,4-Dioxane	6.707	88	10976	212.58	ppb	96

Data Path : C:\msdchem\1\data\V7091616\
 Data File : V710492.D
 Acq On : 16 Sep 2016 7:34 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-SCV1
 Misc : QBV7091616A
 ALS Vial : 16 Sample Multiplier: 1

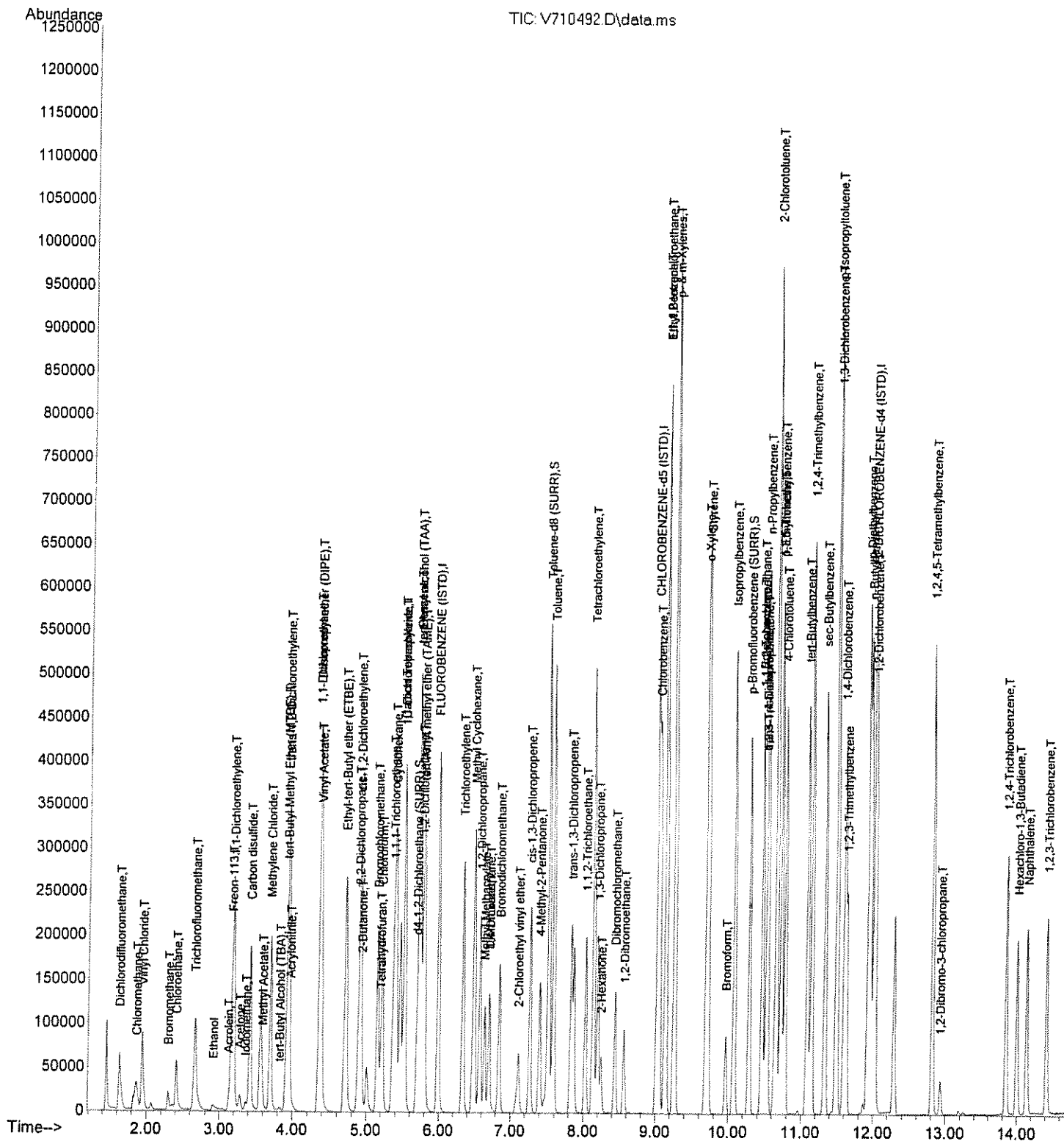
Quant Time: Sep 19 11:48:50 2016
 Quant Method : C:\msdchem\1\methods\V7LO0060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Chloroethyl vinyl ether	7.108	63	31459	8.73	ppb	# 100
49) cis-1,3-Dichloropropene	7.266	75	161314	9.85	ppb	92
50) 4-Methyl-2-Pentanone	7.400	43	114185	10.04	ppb	95
52) Toluene	7.584	91	435938	9.95	ppb	100
53) trans-1,3-Dichloropropene	7.828	75	134082	9.80	ppb	# 100
54) 1,1,2-Trichloroethane	8.023	97	75780	9.84	ppb	96
55) 1,3-Dichloropropane	8.198	76	136938	9.93	ppb	# 70
56) Tetrachloroethylene	8.134	166	180305	12.57	ppb	# 100
57) 2-Hexanone	8.243	43	45137	10.44	ppb	78
58) Dibromochloromethane	8.440	129	86931	9.80	ppb	99
59) 1,2-Dibromoethane	8.566	107	74321	9.83	ppb	99
60) Chlorobenzene	9.053	112	276831	9.55	ppb	99
61) 1,1,1,2-tetrachloroethane	9.136	131	99342	10.04	ppb	99
62) Ethyl Benzene	9.136	91	476753	10.18	ppb	100
63) p- & m-Xylenes	9.256	91	719749	20.41	ppb	99
64) o-Xylene	9.692	91	355296	9.72	ppb	99
65) Styrene	9.715	104	317625	10.88	ppb	# 100
66) Bromoform	9.968	173	51132	10.18	ppb	# 99
68) p-Ethyltoluene	10.719	105	390008	10.26	ppb	# 100
69) Isopropylbenzene	10.079	105	448645	9.58	ppb	98
71) 1,1,2,2-Tetrachloroethane	10.463	83	82569	9.34	ppb	# 99
72) Bromobenzene	10.460	77	178627	9.88	ppb	96
73) trans-1,4-Dichloro-2-b...	10.513	75	93478	9.88	ppb	85
74) 1,2,3-Trichloropropane	10.513	110	23873	9.75	ppb	82
75) n-Propylbenzene	10.533	91	517112	9.63	ppb	99
76) 2-Chlorotoluene	10.655	91	346985	9.59	ppb	100
77) 4-Chlorotoluene	10.775	91	319243	9.53	ppb	100
78) 1,3,5-Trimethylbenzene	10.719	105	390008	10.26	ppb	99
79) tert-Butylbenzene	11.086	119	307485	9.66	ppb	97
80) 1,2,4-Trimethylbenzene	11.145	105	399031	10.30	ppb	98
81) sec-Butylbenzene	11.328	105	431716	9.53	ppb	97
82) 1,3-Dichlorobenzene	11.498	146	208057	9.63	ppb	99
83) p-Isopropyltoluene	11.490	119	405357	10.37	ppb	98
84) 1,4-Dichlorobenzene	11.596	146	210696	9.52	ppb	99
85) 1,2,3-Trimethylbenzene	11.629	105	160753m	9.92	ppb	
86) p-Diethylbenzene	11.924	105	223222	10.55	ppb	98
87) 1,2-Dichlorobenzene	12.027	146	188142	9.51	ppb	# 100
88) n-Butylbenzene	11.954	91	413259	10.32	ppb	97
89) 1,2-Dibromo-3-chloropr...	12.931	75	11480	9.76	ppb	99
90) 1,2,4,5-Tetramethylben...	12.814	119	356684	9.92	ppb	99
91) 1,2,4-Trichlorobenzene	13.846	180	113617	9.85	ppb	99
92) Hexachloro-1,3-Butadiene	14.005	225	50117	9.82	ppb	99
93) Naphthalene	14.141	128	203395	9.65	ppb	100
94) 1,2,3-Trichlorobenzene	14.417	180	86674	9.73	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\V7091616\
Data File : V710492.D
Acq On : 16 Sep 2016 7:34 pm
InstName : MSVOA7
Operator : SS
Sample : SEQ-SCV1
Misc : QBV7091616A
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 19 11:48:50 2016
Quant Method : C:\msdchem\1\methods\V7LO0060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\V7092216\
 Data File : V710649.D
 Acq On : 22 Sep 2016 8:55 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CCV1
 Misc : QBV7092216A Y16I078
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 23 10:32:45 2016
 Quant Method : C:\msdchem\1\methods\V7LO0060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	FLUOROBENZENE (ISTD)	1.000	1.000	0.0	84	0.00
2 T	Dichlorodifluoromethane	0.966	0.916	5.1	78	0.00
3 T	Chloromethane	0.924	0.492	46.8#	52	-0.01
4 T	Vinyl Chloride	1.175	1.086	7.6	80	0.00
5 T	Bromomethane	0.275	0.085	69.1#	40#	0.00
6 T	Chloroethane	0.666	0.642	3.5	83	0.00
7 T	Trichlorofluoromethane	1.328	1.422	-7.1	90	0.00
8	Ethanol	0.004	0.004	-13.5	89	-0.01
9 T	Freon-113	1.013	1.102	-8.8	89	0.00
10 T	1,1-Dichloroethylene	1.469	1.497	-1.9	85	0.00
11 T	Acrolein	0.130	0.148	-13.8	97	0.00
12 T	Acetone	0.255	0.288	-12.9	79	0.00
13 T	Iodomethane	0.371	0.274	26.2#	73	0.00
14 T	Methyl Acetate	0.533	0.530	0.5	83	0.00
15 T	Carbon disulfide	3.227	3.261	-1.1	86	0.00
16 T	tert-Butyl Alcohol (TBA)	0.076	0.086	-11.9	97	0.00
17 T	Methylene Chloride	1.512	1.701	-12.5	102	0.00
18 T	Acrylonitrile	0.259	0.224	13.8	79	0.00
19 T	trans-1,2-Dichloroethylene	1.584	1.602	-1.2	86	0.00
20 T	tert-Butyl Methyl Ether (MT)	3.001	2.965	1.2	84	0.00
21 T	1,1-Dichloroethane	2.038	2.092	-2.7	87	0.00
22 T	Vinyl Acetate	3.048	3.067	-0.6	83	0.00
23 T	Diisopropyl ether (DIPE)	3.559	3.555	0.1	82	0.00
24 T	Ethyl-tert-Butyl ether (ETB)	3.613	3.574	1.1	81	0.00
25 T	cis-1,2-Dichloroethylene	1.817	1.829	-0.7	87	0.00
26 T	2-Butanone	0.122	0.132	-8.6	83	0.00
27 T	2,2-Dichloropropane	1.498	1.600	-6.8	92	0.00
28 T	Tetrahydrofuran	0.091	0.092	-1.5	88	0.00
29 T	Bromochloromethane	0.777	0.761	2.0	83	0.00
30 T	Chloroform	1.950	2.004	-2.7	89	0.00
31 T	1,1,1-Trichloroethane	1.609	1.630	-1.3	87	0.00
32 T	Cyclohexane	1.989	2.077	-4.4	85	0.00
33 T	1,1-Dichloropropylene	1.611	1.666	-3.4	89	0.00
34 S	d4-1,2-Dichloroethane (SURR)	1.066	1.075	-0.8	82	0.00
35 T	Carbon Tetrachloride	1.336	1.440	-7.8	91	0.00
36 T	tert-Amyl alcohol (TAA)	0.076	0.062	18.4	70	0.00
37 T	1,2-Dichloroethane	1.214	1.277	-5.2	87	0.00
38 T	Benzene	4.897	5.088	-3.9	89	0.00
39 T	tert-Amyl methyl ether (TAM)	3.399	3.323	2.2	79	0.00
40 I	CHLOROBENZENE-d5 (ISTD)	1.000	1.000	0.0	85	0.00
41 T	Trichloroethylene	0.292	0.292	0.1	89	0.00
42 T	Methyl Cyclohexane	0.486	0.502	-3.2	88	0.00
43 T	Methyl Methacrylate	0.159	0.155	2.5	86	0.00
44 T	Dibromomethane	0.139	0.146	-4.7	89	0.00
45 T	Bromodichloromethane	0.346	0.336	3.1	88	0.00
46 T	1,2-Dichloropropane	0.304	0.291	4.1	85	0.00
47 T	1,4-Dioxane	0.002	0.002	-6.7	93	-0.02
48 T	2-Chloroethyl vinyl ether	0.102	0.077	24.2	63	0.48
49 T	cis-1,3-Dichloropropene	0.464	0.443	4.4	84	0.00
50 T	4-Methyl-2-Pentanone	0.322	0.300	6.6	81	0.00
51 S	Toluene-d8 (SURR)	1.243	1.208	2.8	84	0.00
52 T	Toluene	1.240	1.237	0.2	89	0.00
53 T	trans-1,3-Dichloropropene	0.387	0.368	5.0	84	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\V7092216\
 Data File : V710649.D
 Acq On : 22 Sep 2016 8:55 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CCV1
 Misc : QBV7092216A Y16I078
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 23 10:32:45 2016
 Quant Method : C:\msdchem\1\methods\V7LO0060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54 T	1,1,2-Trichloroethane	0.218	0.221	-1.2	89	0.00
55 T	1,3-Dichloropropane	0.390	0.384	1.5	87	0.00
56 T	Tetrachloroethylene	0.406	0.410	-0.9	93	0.00
57 T	2-Hexanone	0.122	0.126	-3.3	81	0.00
58 T	Dibromochloromethane	0.251	0.248	1.3	89	0.00
59 T	1,2-Dibromoethane	0.214	0.214	0.0	88	0.00
60 T	Chlorobenzene	0.820	0.812	1.0	87	0.00
61 T	1,1,1,2-tetrachloroethane	0.280	0.272	2.7	86	0.00
62 T	Ethyl Benzene	1.325	1.330	-0.3	87	0.00
63 T	p- & m-Xylenes	0.998	1.022	-2.4	87	0.00
64 T	o-Xylene	1.034	1.035	-0.1	86	0.00
65 T	Styrene	0.826	0.835	-1.1	86	0.00
66 T	Bromoform	0.142	0.136	4.6	86	0.00
67 I	1,2-DICHLOROBENZENE-d4 (IST	1.000	1.000	0.0	81	0.00
68 T	p-Ethyltoluene	2.390	2.443	-2.2	86	0.00
69 T	Isopropylbenzene	2.945	2.968	-0.8	85	0.00
70 S	p-Bromofluorobenzene (SURR)	1.123	1.108	1.3	83	0.00
71 T	1,1,2,2-Tetrachloroethane	0.556	0.540	3.0	82	0.00
72 T	Bromobenzene	1.137	1.091	4.0	84	0.00
73 T	trans-1,4-Dichloro-2-butene	0.595	0.568	4.5	81	0.00
74 T	1,2,3-Trichloropropane	0.154	0.152	1.2	84	0.00
75 T	n-Propylbenzene	3.378	3.410	-0.9	85	0.00
76 T	2-Chlorotoluene	2.276	2.261	0.6	85	0.00
77 T	4-Chlorotoluene	2.107	2.119	-0.6	86	0.00
78 T	1,3,5-Trimethylbenzene	2.390	2.443	-2.2	86	0.00
79 T	tert-Butylbenzene	2.003	2.031	-1.4	86	0.00
80 T	1,2,4-Trimethylbenzene	2.438	2.466	-1.2	85	0.00
81 T	sec-Butylbenzene	2.848	2.860	-0.4	83	0.00
82 T	1,3-Dichlorobenzene	1.359	1.384	-1.8	86	0.00
83 T	p-Isopropyltoluene	2.460	2.505	-1.8	84	0.00
84 T	1,4-Dichlorobenzene	1.392	1.414	-1.6	87	0.00
85	1,2,3-Trimethylbenzene	1.020	1.039	-1.8	85	0.00
86 T	p-Diethylbenzene	1.331	1.332	-0.1	83	0.00
87 T	1,2-Dichlorobenzene	1.244	1.231	1.1	83	0.00
88 T	n-Butylbenzene	2.519	2.521	-0.1	83	0.00
89 T	1,2-Dibromo-3-chloropropane	0.074	0.070	4.9	82	0.00
90 T	1,2,4,5-Tetramethylbenzene	2.261	2.203	2.6	82	0.00
91 T	1,2,4-Trichlorobenzene	0.725	0.709	2.2	85	0.00
92 T	Hexachloro-1,3-Butadiene	0.321	0.321	0.1	89	0.00
93 T	Naphthalene	1.325	1.259	5.0	82	0.00
94 T	1,2,3-Trichlorobenzene	0.560	0.531	5.3	84	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : C:\msdchem\1\data\V7092216\
 Data File : V710649.D
 Acq On : 22 Sep 2016 8:55 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CCV1
 Misc : QBV7092216A Y16I078
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 23 10:32:45 2016
 Quant Method : C:\msdchem\1\methods\V7LO0060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.987	70	67408	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	294661	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	128103	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	72430	10.08	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.80%		
51) Toluene-d8 (SURR)	7.517	98	356037	9.72	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.20%		
70) p-Bromofluorobenzene (...)	10.282	95	141966	9.87	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.70%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.627	85	61775	9.49	ppb	100
3) Chloromethane	1.849	50	33154	5.32	ppb	# 95
4) Vinyl Chloride	1.938	62	73186	9.24	ppb	100
5) Bromomethane	2.297	94	5721m	6.63	ppb	
6) Chloroethane	2.409	64	43298	9.65	ppb	99
7) Trichlorofluoromethane	2.659	101	95843	10.71	ppb	100
8) Ethanol	2.907	45	14065m	561.91	ppb	
9) Freon-113	3.174	101	74300	10.88	ppb	99
10) 1,1-Dichloroethylene	3.196	61	100897	10.19	ppb	98
11) Acrolein	3.129	56	9999	11.38	ppb	99
12) Acetone	3.285	43	19436	11.29	ppb	98
13) Iodomethane	3.366	142	18459m	8.50	ppb	
14) Methyl Acetate	3.591	43	35721	9.95	ppb	99
15) Carbon disulfide	3.421	76	219782	10.11	ppb	100
16) tert-Butyl Alcohol (TBA)	3.825	59	5762m	11.19	ppb	
17) Methylene Chloride	3.700	49	114685	11.25	ppb	93
18) Acrylonitrile	3.967	53	15078	8.62	ppb	92
19) trans-1,2-Dichloroethy...	3.944	61	107993	10.12	ppb	99
20) tert-Butyl Methyl Ethe...	3.928	73	199846	9.88	ppb	99
21) 1,1-Dichloroethane	4.359	63	141049	10.27	ppb	100
22) Vinyl Acetate	4.390	43	206773	10.06	ppb	# 100
23) Diisopropyl ether (DIPE)	4.370	45	239666	9.99	ppb	98
24) Ethyl-tert-Butyl ether...	4.712	59	240912	9.89	ppb	# 98
25) cis-1,2-Dichloroethylene	4.915	61	123314	10.07	ppb	98
26) 2-Butanone	4.935	72	8921	10.87	ppb	94
27) 2,2-Dichloropropane	4.896	77	107861	10.68	ppb	# 100
28) Tetrahydrofuran	5.188	71	6238	10.16	ppb	# 65
29) Bromochloromethane	5.155	49	51331	9.80	ppb	97
30) Chloroform	5.219	83	135063	10.27	ppb	# 99
31) 1,1,1-Trichloroethane	5.372	97	109898	10.13	ppb	# 86
32) Cyclohexane	5.400	56	140014	10.44	ppb	94
33) 1,1-Dichloropropylene	5.522	75	112266	10.34	ppb	86
35) Carbon Tetrachloride	5.516	117	97075	10.78	ppb	100
36) tert-Amyl alcohol (TAA)	5.731	59	42036	81.55	ppb	97
37) 1,2-Dichloroethane	5.770	62	86046	10.52	ppb	100
38) Benzene	5.728	78	342945	10.39	ppb	96
39) tert-Amyl methyl ether...	5.792	73	224001	9.78	ppb	# 100
41) Trichloroethylene	6.334	95	86020	9.99	ppb	96
42) Methyl Cyclohexane	6.487	83	147957	10.33	ppb	93
43) Methyl Methacrylate	6.640	69	45665	9.75	ppb	# 99
44) Dibromomethane	6.704	93	42995	10.47	ppb	98
45) Bromodichloromethane	6.844	83	98878	9.69	ppb	98
46) 1,2-Dichloropropane	6.571	63	85846	9.60	ppb	99
47) 1,4-Dioxane	6.704	88	9562m	222.09	ppb	

Data Path : C:\msdchem\1\data\V7092216\
 Data File : V710649.D
 Acq On : 22 Sep 2016 8:55 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CCV1
 Misc : QBV7092216A Y16I078
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 23 10:32:45 2016
 Quant Method : C:\msdchem\1\methods\V7LO0060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

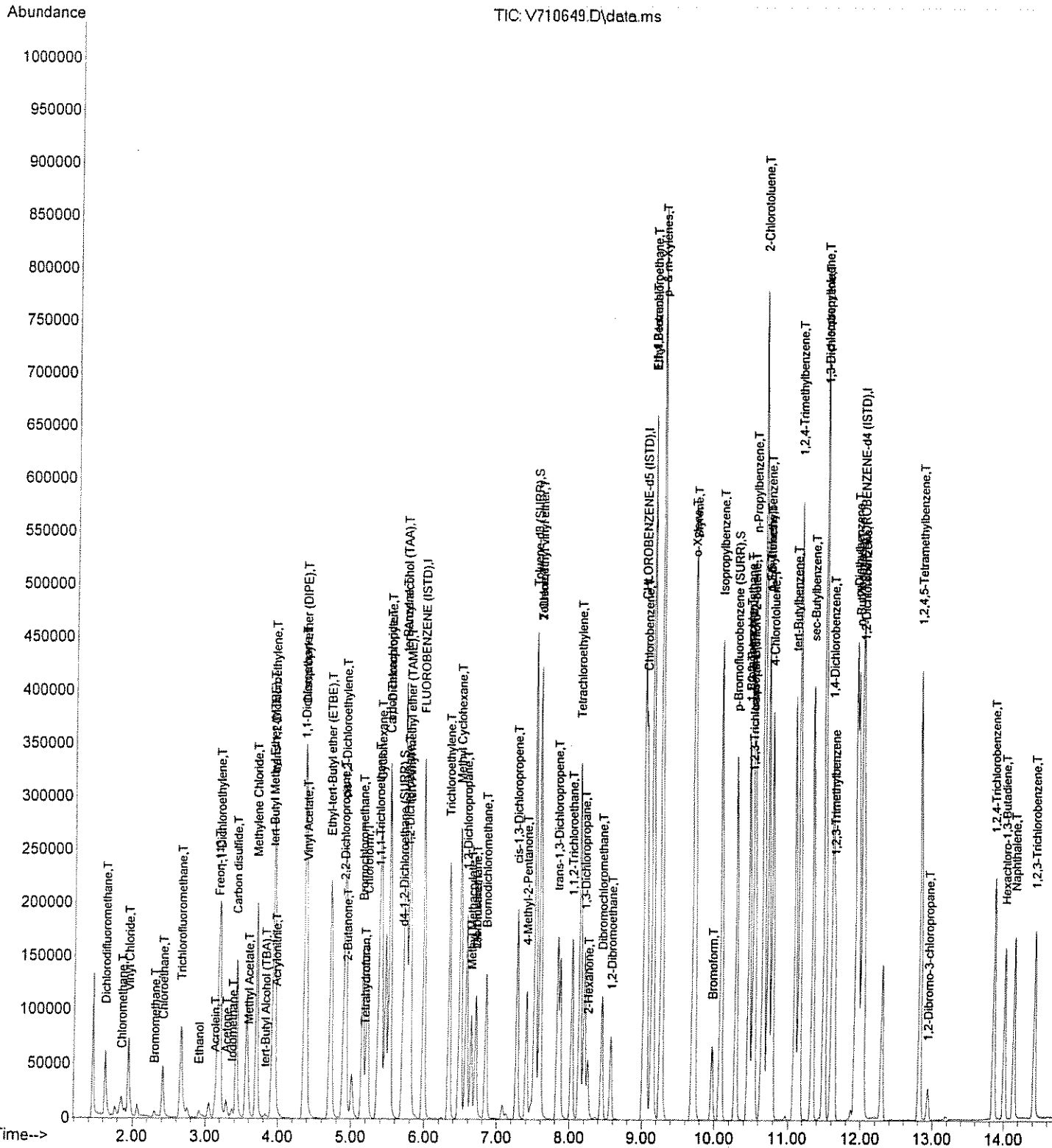
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Chloroethyl vinyl ether	7.584	63	22776	7.58	ppb	# 100
49) cis-1,3-Dichloropropene	7.269	75	130628	9.56	ppb	91
50) 4-Methyl-2-Pentanone	7.403	43	88547	9.34	ppb	92
52) Toluene	7.584	91	364612	9.98	ppb	100
53) trans-1,3-Dichloropropene	7.828	75	108339	9.50	ppb	# 100
54) 1,1,2-Trichloroethane	8.026	97	64968	10.12	ppb	96
55) 1,3-Dichloropropane	8.198	76	113257	9.85	ppb	# 70
56) Tetrachloroethylene	8.134	166	120707	10.09	ppb	# 100
57) 2-Hexanone	8.249	43	37256	10.33	ppb	74
58) Dibromochloromethane	8.441	129	72996	9.87	ppb	98
59) 1,2-Dibromoethane	8.569	107	62985	9.99	ppb	98
60) Chlorobenzene	9.050	112	239199	9.90	ppb	98
61) 1,1,1,2-tetrachloroethane	9.136	131	80262	9.73	ppb	98
62) Ethyl Benzene	9.136	91	391823	10.03	ppb	99
63) p- & m-Xylenes	9.259	91	602467	20.49	ppb	99
64) o-Xylene	9.693	91	305025	10.01	ppb	99
65) Styrene	9.715	104	246133	10.11	ppb	# 100
66) Bromoform	9.965	173	39986	9.54	ppb	# 99
68) p-Ethyltoluene	10.722	105	312944	10.22	ppb	# 100
69) Isopropylbenzene	10.079	105	380202	10.08	ppb	98
71) 1,1,2,2-Tetrachloroethane	10.463	83	69122	9.70	ppb	# 100
72) Bromobenzene	10.460	77	139818	9.60	ppb	97
73) trans-1,4-Dichloro-2-b...	10.516	75	72788	9.55	ppb	85
74) 1,2,3-Trichloropropane	10.513	110	19500	9.88	ppb	81
75) n-Propylbenzene	10.533	91	436788	10.09	ppb	99
76) 2-Chlorotoluene	10.658	91	289658	9.94	ppb	100
77) 4-Chlorotoluene	10.775	91	271504	10.06	ppb	100
78) 1,3,5-Trimethylbenzene	10.722	105	312944	10.22	ppb	99
79) tert-Butylbenzene	11.086	119	260144	10.14	ppb	96
80) 1,2,4-Trimethylbenzene	11.148	105	315910	10.12	ppb	98
81) sec-Butylbenzene	11.331	105	366416	10.04	ppb	97
82) 1,3-Dichlorobenzene	11.498	146	177245	10.18	ppb	99
83) p-Isopropyltoluene	11.487	119	320867	10.18	ppb	98
84) 1,4-Dichlorobenzene	11.598	146	181193	10.16	ppb	99
85) 1,2,3-Trimethylbenzene	11.629	105	133044	10.18	ppb	# 1
86) p-Diethylbenzene	11.924	105	170623	10.01	ppb	97
87) 1,2-Dichlorobenzene	12.024	146	157665	9.89	ppb	# 100
88) n-Butylbenzene	11.954	91	322917	10.01	ppb	97
89) 1,2-Dibromo-3-chloropr...	12.931	75	9020	9.52	ppb	97
90) 1,2,4,5-Tetramethylben...	12.814	119	282190	9.74	ppb	99
91) 1,2,4-Trichlorobenzene	13.849	180	90874	9.78	ppb	99
92) Hexachloro-1,3-Butadiene	14.008	225	41095	9.99	ppb	99
93) Naphthalene	14.141	128	161286	9.50	ppb	99
94) 1,2,3-Trichlorobenzene	14.420	180	67968	9.47	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

```
Data Path : C:\msdchem\1\data\V7092216\
Data File : V710649.D
Acq On    : 22 Sep 2016    8:55 pm
InstName  : MSVOA7
Operator  : SS
Sample    : SEQ-CCV1
Misc      : QBV7092216A Y16I078
ALS Vial  : 27    Sample Multiplier: 1
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Quant Time: Sep 23 10:32:45 2016
Quant Method : C:\msdchem\1\methods\V7LO0060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\V7092316\
 Data File : V710649.D
 Acq On : 23 Sep 2016 7:59 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CCV1
 Misc : QBV7092316B Y16I078
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 26 13:01:16 2016
 Quant Method : C:\msdchem\1\methods\V7LO0060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	FLUOROBENZENE (ISTD)	1.000	1.000	0.0	78	0.00
2 T	Dichlorodifluoromethane	0.966	1.023	-5.9	81	0.00
3 T	Chloromethane	0.924	0.433	53.2#	43#	-0.01
4 T	Vinyl Chloride	1.175	1.089	7.3	74	0.00
5 T	Bromomethane	0.275	0.052	81.1#	23#	0.00
6 T	Chloroethane	0.666	0.661	0.6	79	0.00
7 T	Trichlorofluoromethane	1.328	1.458	-9.8	86	0.00
8	Ethanol	0.004	0.004	-13.5	83	-0.01
9 T	Freon-113	1.013	1.177	-16.1	88	0.00
10 T	1,1-Dichloroethylene	1.469	1.593	-8.4	84	0.00
11 T	Acrolein	0.130	0.167	-28.1#	101	0.00
12 T	Acetone	0.255	0.210	17.6	54	0.00
13 T	Iodomethane	0.371	0.171	54.0#	42#	0.00
14 T	Methyl Acetate	0.533	0.485	8.9	70	0.00
15 T	Carbon disulfide	3.227	3.516	-9.0	86	0.00
16 T	tert-Butyl Alcohol (TBA)	0.076	0.091	-19.8	97	0.00
17 T	Methylene Chloride	1.512	1.401	7.4	78	0.00
18 T	Acrylonitrile	0.259	0.190	26.9#	62	0.00
19 T	trans-1,2-Dichloroethylene	1.584	1.599	-1.0	80	0.00
20 T	tert-Butyl Methyl Ether (MT)	3.001	2.981	0.7	78	0.00
21 T	1,1-Dichloroethane	2.038	2.088	-2.5	80	0.00
22 T	Vinyl Acetate	3.048	2.631	13.7	66	0.00
23 T	Diisopropyl ether (DIPE)	3.559	3.395	4.6	73	0.00
24 T	Ethyl-tert-Butyl ether (ETB)	3.613	3.364	6.9	71	0.00
25 T	cis-1,2-Dichloroethylene	1.817	1.844	-1.5	81	0.00
26 T	2-Butanone	0.122	0.097	20.8	56	0.00
27 T	2,2-Dichloropropane	1.498	1.611	-7.5	86	0.00
28 T	Tetrahydrofuran	0.091	0.095	-4.6	84	0.01
29 T	Bromochloromethane	0.777	0.736	5.3	74	0.00
30 T	Chloroform	1.950	2.035	-4.4	84	0.00
31 T	1,1,1-Trichloroethane	1.609	1.701	-5.7	84	0.00
32 T	Cyclohexane	1.989	2.015	-1.3	76	0.00
33 T	1,1-Dichloropropylene	1.611	1.676	-4.0	83	0.00
34 S	d4-1,2-Dichloroethane (SURR)	1.066	1.084	-1.7	77	0.00
35 T	Carbon Tetrachloride	1.336	1.420	-6.3	84	0.00
36 T	tert-Amyl alcohol (TAA)	0.076	0.064	16.9	66	0.00
37 T	1,2-Dichloroethane	1.214	1.286	-5.9	81	0.00
38 T	Benzene	4.897	5.072	-3.6	82	0.00
39 T	tert-Amyl methyl ether (TAM)	3.399	3.030	10.9	67	0.00
40 I	CHLOROBENZENE-d5 (ISTD)	1.000	1.000	0.0	82	0.00
41 T	Trichloroethylene	0.292	0.294	-0.5	86	0.00
42 T	Methyl Cyclohexane	0.486	0.487	-0.1	82	0.00
43 T	Methyl Methacrylate	0.159	0.153	3.7	81	0.00
44 T	Dibromomethane	0.139	0.144	-3.4	84	0.00
45 T	Bromodichloromethane	0.346	0.331	4.4	83	0.00
46 T	1,2-Dichloropropane	0.304	0.287	5.3	80	0.00
47 T	1,4-Dioxane	0.002	0.002	-6.7	88	-0.02
48 T	2-Chloroethyl vinyl ether	0.102	0.000	100.0#	0#	-7.11#
49 T	cis-1,3-Dichloropropene	0.464	0.439	5.4	80	0.00
50 T	4-Methyl-2-Pentanone	0.322	0.283	11.9	73	0.00
51 S	Toluene-d8 (SURR)	1.243	1.215	2.3	80	0.00
52 T	Toluene	1.240	1.222	1.4	84	0.00
53 T	trans-1,3-Dichloropropene	0.387	0.359	7.3	79	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\V7092316\
 Data File : V710649.D
 Acq On : 23 Sep 2016 7:59 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CCV1
 Misc : QBV7092316B Y16I078
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 26 13:01:16 2016
 Quant Method : C:\msdchem\1\methods\V7LO0060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54 T	1,1,2-Trichloroethane	0.218	0.215	1.4	83	0.00
55 T	1,3-Dichloropropane	0.390	0.375	3.8	81	0.00
56 T	Tetrachloroethylene	0.406	0.377	7.0	82	0.00
57 T	2-Hexanone	0.122	0.106	13.2	65	0.00
58 T	Dibromochloromethane	0.251	0.244	2.8	84	0.00
59 T	1,2-Dibromoethane	0.214	0.211	1.1	84	0.00
60 T	Chlorobenzene	0.820	0.807	1.6	83	0.00
61 T	1,1,1,2-tetrachloroethane	0.280	0.277	1.1	84	0.00
62 T	Ethyl Benzene	1.325	1.311	1.1	82	0.00
63 T	p- & m-Xylenes	0.998	1.010	-1.2	82	0.00
64 T	o-Xylene	1.034	1.034	0.1	83	0.00
65 T	Styrene	0.826	0.836	-1.2	83	0.00
66 T	Bromoform	0.142	0.134	5.8	81	0.00
67 I	1,2-DICHLOROBENZENE-d4 (IST	1.000	1.000	0.0	79	0.00
68 T	p-Ethyltoluene	2.390	2.382	0.4	82	0.00
69 T	Isopropylbenzene	2.945	2.927	0.6	82	0.00
70 S	p-Bromofluorobenzene (SURR)	1.123	1.094	2.6	80	0.00
71 T	1,1,2,2-Tetrachloroethane	0.556	0.521	6.3	78	0.00
72 T	Bromobenzene	1.137	1.059	6.9	79	0.00
73 T	trans-1,4-Dichloro-2-butene	0.595	0.535	10.0	74	0.00
74 T	1,2,3-Trichloropropane	0.154	0.150	2.5	81	0.00
75 T	n-Propylbenzene	3.378	3.338	1.2	81	0.00
76 T	2-Chlorotoluene	2.276	2.198	3.4	80	0.00
77 T	4-Chlorotoluene	2.107	2.057	2.4	81	0.00
78 T	1,3,5-Trimethylbenzene	2.390	2.382	0.4	82	0.00
79 T	tert-Butylbenzene	2.003	1.982	1.0	82	0.00
80 T	1,2,4-Trimethylbenzene	2.438	2.414	1.0	81	0.00
81 T	sec-Butylbenzene	2.848	2.837	0.4	81	0.00
82 T	1,3-Dichlorobenzene	1.359	1.355	0.3	82	0.00
83 T	p-Isopropyltoluene	2.460	2.478	-0.7	82	0.00
84 T	1,4-Dichlorobenzene	1.392	1.388	0.3	83	0.00
85	1,2,3-Trimethylbenzene	1.020	0.979	4.0	78	0.00
86 T	p-Diethylbenzene	1.331	1.290	3.1	79	0.00
87 T	1,2-Dichlorobenzene	1.244	1.211	2.7	80	0.00
88 T	n-Butylbenzene	2.519	2.450	2.7	79	0.00
89 T	1,2-Dibromo-3-chloropropane	0.074	0.067	9.5	76	0.00
90 T	1,2,4,5-Tetramethylbenzene	2.261	2.138	5.4	78	0.00
91 T	1,2,4-Trichlorobenzene	0.725	0.690	4.9	81	0.00
92 T	Hexachloro-1,3-Butadiene	0.321	0.311	3.2	84	0.00
93 T	Naphthalene	1.325	1.205	9.1	76	0.00
94 T	1,2,3-Trichlorobenzene	0.560	0.516	7.9	79	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : C:\msdchem\1\data\V7092316\
 Data File : V710649.D
 Acq On : 23 Sep 2016 7:59 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CCV1
 Misc : QBV7092316B Y161078
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 26 13:01:16 2016
 Quant Method : C:\msdchem\1\methods\V7LO0060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.987	70	62681	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	282039	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	125024	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	67960	10.17	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.70%		
51) Toluene-d8 (SURR)	7.514	98	342598	9.77	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.70%		
70) p-Bromofluorobenzene (...)	10.285	95	136775	9.74	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.40%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.630	85	64093	10.59	ppb	100
3) Chloromethane	1.849	50	27143	4.68	ppb	98
4) Vinyl Chloride	1.941	62	68274	9.27	ppb	# 86
5) Bromomethane	2.300	94	3261	5.41	ppb	97
6) Chloroethane	2.409	64	41449	9.93	ppb	98
7) Trichlorofluoromethane	2.659	101	91367	10.98	ppb	100
8) Ethanol	2.907	45	13150m	564.97	ppb	
9) Freon-113	3.165	101	73751	11.61	ppb	99
10) 1,1-Dichloroethylene	3.196	61	99825	10.84	ppb	97
11) Acrolein	3.129	56	10463	12.81	ppb	97
12) Acetone	3.288	43	13189	8.24	ppb	94
13) Iodomethane	3.363	142	10690	6.79	ppb	97
14) Methyl Acetate	3.591	43	30418	9.11	ppb	99
15) Carbon disulfide	3.424	76	220380	10.90	ppb	100
16) tert-Butyl Alcohol (TBA)	3.830	59	5738m	11.99	ppb	
17) Methylene Chloride	3.700	49	87806	9.26	ppb	91
18) Acrylonitrile	3.969	53	11877	7.31	ppb	# 61
19) trans-1,2-Dichloroethy...	3.947	61	100234	10.10	ppb	99
20) tert-Butyl Methyl Ethe...	3.930	73	186829	9.93	ppb	99
21) 1,1-Dichloroethane	4.362	63	130902	10.25	ppb	100
22) Vinyl Acetate	4.392	43	164917m	8.63	ppb	
23) Diisopropyl ether (DIPE)	4.373	45	212781	9.54	ppb	98
24) Ethyl-tert-Butyl ether...	4.712	59	210858	9.31	ppb	# 99
25) cis-1,2-Dichloroethylene	4.918	61	115568	10.15	ppb	98
26) 2-Butanone	4.938	72	6049	7.92	ppb	97
27) 2,2-Dichloropropane	4.899	77	100946	10.75	ppb	# 100
28) Tetrahydrofuran	5.196	71	5971m	10.46	ppb	
29) Bromochloromethane	5.155	49	46131	9.47	ppb	94
30) Chloroform	5.221	83	127588	10.44	ppb	# 68
31) 1,1,1-Trichloroethane	5.372	97	106634	10.57	ppb	100
32) Cyclohexane	5.402	56	126304	10.13	ppb	94
33) 1,1-Dichloropropylene	5.522	75	105066	10.41	ppb	86
35) Carbon Tetrachloride	5.519	117	89022	10.63	ppb	99
36) tert-Amyl alcohol (TAA)	5.731	59	39887	83.22	ppb	94
37) 1,2-Dichloroethane	5.770	62	80598	10.60	ppb	99
38) Benzene	5.728	78	317910	10.36	ppb	# 94
39) tert-Amyl methyl ether...	5.792	73	189894	8.91	ppb	# 100
41) Trichloroethylene	6.334	95	82799	10.05	ppb	96
42) Methyl Cyclohexane	6.485	83	137352	10.01	ppb	93
43) Methyl Methacrylate	6.643	69	43140	9.63	ppb	# 82
44) Dibromomethane	6.707	93	40643	10.34	ppb	98
45) Bromodichloromethane	6.846	83	93407	9.56	ppb	98
46) 1,2-Dichloropropane	6.571	63	81053	9.47	ppb	98
47) 1,4-Dioxane	6.704	88	8978m	217.86	ppb	

Data Path : C:\msdchem\1\data\V7092316\
 Data File : V710649.D
 Acq On : 23 Sep 2016 7:59 pm
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CCV1
 Misc : QBV7092316B Y16I078
 ALS Vial : 25 Sample Multiplier: 1

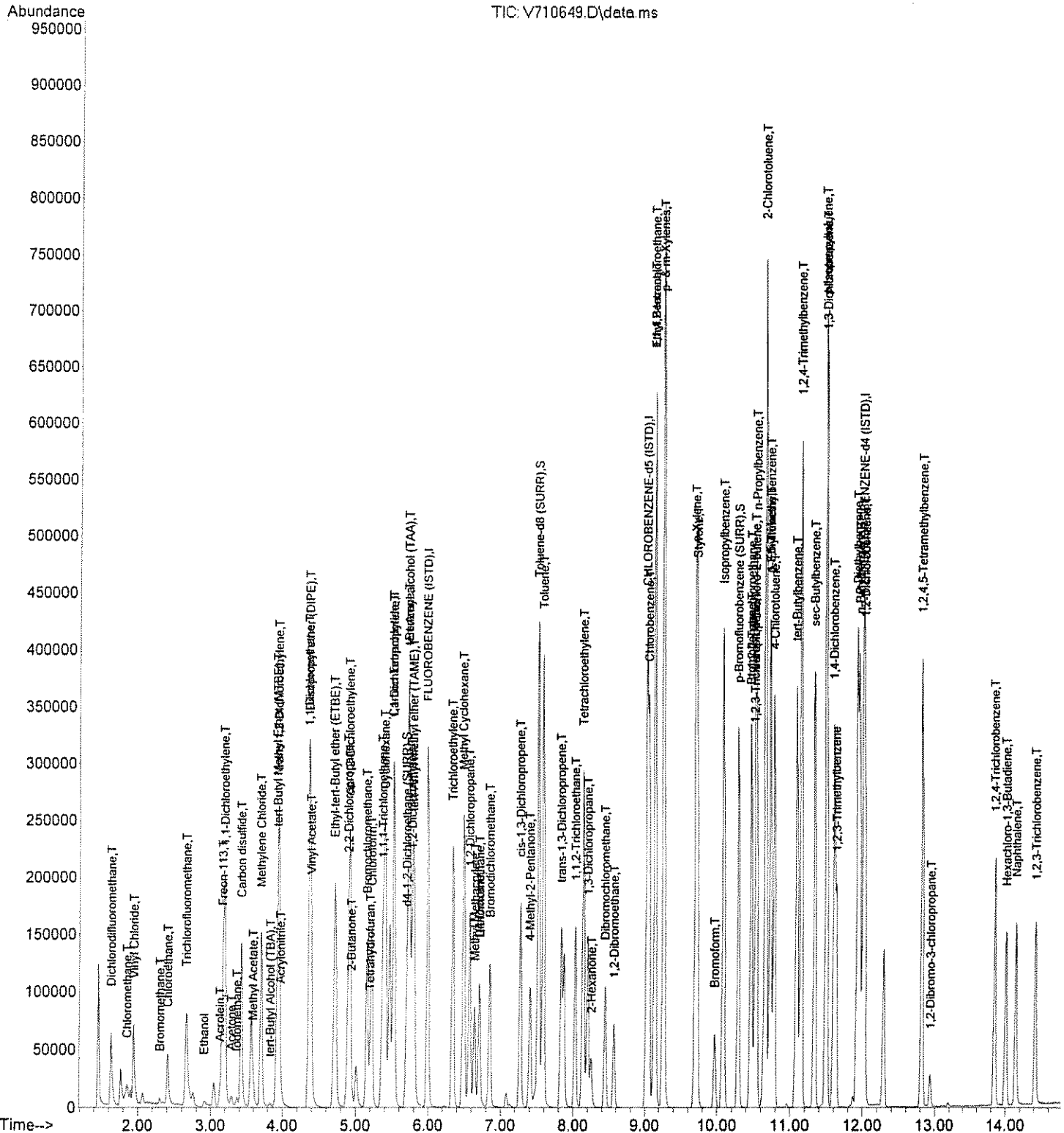
Quant Time: Sep 26 13:01:16 2016
 Quant Method : C:\msdchem\1\methods\V7LO0060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) cis-1,3-Dichloropropene	7.272	75	123738	9.46	ppb	91
50) 4-Methyl-2-Pentanone	7.400	43	79930	8.81	ppb	93
52) Toluene	7.584	91	344629	9.86	ppb	100
53) trans-1,3-Dichloropropene	7.828	75	101229	9.27	ppb #	100
54) 1,1,2-Trichloroethane	8.026	97	60576	9.86	ppb	96
55) 1,3-Dichloropropane	8.198	76	105786	9.61	ppb #	70
56) Tetrachloroethylene	8.137	166	106433	9.29	ppb #	100
57) 2-Hexanone	8.251	43	29939	8.68	ppb	85
58) Dibromochloromethane	8.440	129	68809	9.72	ppb	99
59) 1,2-Dibromoethane	8.566	107	59661	9.89	ppb	100
60) Chlorobenzene	9.053	112	227557	9.84	ppb	98
61) 1,1,1,2-tetrachloroethane	9.136	131	78132	9.89	ppb	99
62) Ethyl Benzene	9.136	91	369650	9.89	ppb	100
63) p- & m-Xylenes	9.258	91	569500	20.24	ppb	98
64) o-Xylene	9.692	91	291501	9.99	ppb	99
65) Styrene	9.717	104	235904	10.12	ppb #	100
66) Bromoform	9.965	173	37784	9.42	ppb #	99
68) p-Ethyltoluene	10.722	105	297747	9.96	ppb #	99
69) Isopropylbenzene	10.082	105	365891	9.94	ppb	97
71) 1,1,2,2-Tetrachloroethane	10.463	83	65192	9.37	ppb #	100
72) Bromobenzene	10.460	77	132391	9.32	ppb	98
73) trans-1,4-Dichloro-2-b...	10.519	75	66939	8.99	ppb	84
74) 1,2,3-Trichloropropane	10.516	110	18777	9.75	ppb	80
75) n-Propylbenzene	10.533	91	417364	9.88	ppb	99
76) 2-Chlorotoluene	10.655	91	274840	9.66	ppb	99
77) 4-Chlorotoluene	10.778	91	257135	9.76	ppb	100
78) 1,3,5-Trimethylbenzene	10.722	105	297747	9.96	ppb	98
79) tert-Butylbenzene	11.086	119	247762	9.90	ppb	96
80) 1,2,4-Trimethylbenzene	11.148	105	301823	9.90	ppb	99
81) sec-Butylbenzene	11.331	105	354745	9.96	ppb	97
82) 1,3-Dichlorobenzene	11.498	146	169468	9.97	ppb	99
83) p-Isopropyltoluene	11.490	119	309814	10.08	ppb	98
84) 1,4-Dichlorobenzene	11.598	146	173504	9.97	ppb	100
85) 1,2,3-Trimethylbenzene	11.632	105	122390	9.60	ppb #	1
86) p-Diethylbenzene	11.924	105	161218	9.69	ppb	98
87) 1,2-Dichlorobenzene	12.027	146	151354	9.73	ppb #	100
88) n-Butylbenzene	11.957	91	306249	9.73	ppb	99
89) 1,2-Dibromo-3-chloropr...	12.937	75	8378	9.06	ppb	95
90) 1,2,4,5-Tetramethylben...	12.817	119	267350	9.46	ppb	99
91) 1,2,4-Trichlorobenzene	13.846	180	86294	9.52	ppb	99
92) Hexachloro-1,3-Butadiene	14.005	225	38835	9.68	ppb	98
93) Naphthalene	14.138	128	150620	9.09	ppb	99
94) 1,2,3-Trichlorobenzene	14.419	180	64541	9.21	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\V7092316\
Data File : V710649.D
Acq On : 23 Sep 2016 7:59 pm
InstName : MSVOA7
Operator : SS
Sample : SEQ-CCV1
Misc : QBV7092316B Y16I078
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 26 13:01:16 2016
Quant Method : C:\msdchem\1\methods\V7LO0060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\V7092316\
 Data File : V710671.D
 Acq On : 24 Sep 2016 5:30 am
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CCV1
 Misc : QBV7092316B Y16I078
 ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 27 10:22:09 2016
 Quant Method : C:\msdchem\1\methods\V7LO0060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	FLUOROBENZENE (ISTD)	1.000	1.000	0.0	76	0.00
2 T	Dichlorodifluoromethane	0.966	1.067	-10.5	83	0.00
3 T	Chloromethane	0.924	0.543	41.3#	52	0.00
4 T	Vinyl Chloride	1.175	1.163	1.0	77	0.00
5 T	Bromomethane	0.275	0.142	48.3#	61	0.00
6 T	Chloroethane	0.666	0.694	-4.3	81	0.00
7 T	Trichlorofluoromethane	1.328	1.571	-18.3	90	0.00
8	Ethanol	0.004	0.003	29.7#	50	0.00
9 T	Freon-113	1.013	1.089	-7.5	79	0.00
10 T	1,1-Dichloroethylene	1.469	1.509	-2.7	77	0.00
11 T	Acrolein	0.130	0.146	-11.9	86	0.00
12 T	Acetone	0.255	0.228	10.6	57	0.00
13 T	Iodomethane	0.371	0.180	51.5#	44#	0.00
14 T	Methyl Acetate	0.533	0.526	1.2	74	0.00
15 T	Carbon disulfide	3.227	3.681	-14.1	88	0.00
16 T	tert-Butyl Alcohol (TBA)	0.076	0.111	-44.9#	114	0.00
17 T	Methylene Chloride	1.512	1.460	3.5	79	0.00
18 T	Acrylonitrile	0.259	0.227	12.5	73	0.00
19 T	trans-1,2-Dichloroethylene	1.584	1.691	-6.8	82	0.00
20 T	tert-Butyl Methyl Ether (MT)	3.001	3.223	-7.4	83	0.00
21 T	1,1-Dichloroethane	2.038	2.191	-7.5	82	0.00
22 T	Vinyl Acetate	3.048	2.938	3.6	72	0.00
23 T	Diisopropyl ether (DIPE)	3.559	3.586	-0.8	75	0.00
24 T	Ethyl-tert-Butyl ether (ETB)	3.613	3.539	2.0	73	0.00
25 T	cis-1,2-Dichloroethylene	1.817	1.891	-4.1	81	0.00
26 T	2-Butanone	0.122	0.091	24.9	52	0.00
27 T	2,2-Dichloropropane	1.498	1.347	10.1	70	0.00
28 T	Tetrahydrofuran	0.091	0.101	-10.9	87	0.00
29 T	Bromochloromethane	0.777	0.800	-2.9	79	0.00
30 T	Chloroform	1.950	2.193	-12.4	88	0.00
31 T	1,1,1-Trichloroethane	1.609	1.799	-11.8	87	0.00
32 T	Cyclohexane	1.989	2.104	-5.8	78	0.00
33 T	1,1-Dichloropropylene	1.611	1.732	-7.5	84	0.00
34 S	d4-1,2-Dichloroethane (SURR)	1.066	1.088	-2.0	76	0.00
35 T	Carbon Tetrachloride	1.336	1.506	-12.7	86	0.00
36 T	tert-Amyl alcohol (TAA)	0.076	0.069	9.7	70	0.00
37 T	1,2-Dichloroethane	1.214	1.380	-13.7	85	0.00
38 T	Benzene	4.897	5.390	-10.1	85	0.00
39 T	tert-Amyl methyl ether (TAM)	3.399	3.167	6.8	68	0.00
40 I	CHLOROBENZENE-d5 (ISTD)	1.000	1.000	0.0	80	0.00
41 T	Trichloroethylene	0.292	0.310	-6.1	88	0.00
42 T	Methyl Cyclohexane	0.486	0.502	-3.2	82	0.00
43 T	Methyl Methacrylate	0.159	0.162	-1.9	84	0.00
44 T	Dibromomethane	0.139	0.155	-11.4	89	0.00
45 T	Bromodichloromethane	0.346	0.350	-1.0	85	0.00
46 T	1,2-Dichloropropane	0.304	0.303	0.1	83	0.00
47 T	1,4-Dioxane	0.002	0.002	-13.3	90	0.00
48 T	2-Chloroethyl vinyl ether	0.102	0.000	100.0#	0#	-7.11#
49 T	cis-1,3-Dichloropropene	0.464	0.448	3.4	79	0.00
50 T	4-Methyl-2-Pentanone	0.322	0.305	5.3	77	0.00
51 S	Toluene-d8 (SURR)	1.243	1.209	2.8	78	0.00
52 T	Toluene	1.240	1.285	-3.7	86	0.00
53 T	trans-1,3-Dichloropropene	0.387	0.374	3.4	80	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\V7092316\
 Data File : V710671.D
 Acq On : 24 Sep 2016 5:30 am
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CCV1
 Misc : QBV7092316B Y16I078
 ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 27 10:22:09 2016
 Quant Method : C:\msdchem\1\methods\V7LO0060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54 T	1,1,2-Trichloroethane	0.218	0.233	-6.7	88	0.00
55 T	1,3-Dichloropropane	0.390	0.401	-2.7	84	0.00
56 T	Tetrachloroethylene	0.406	0.513	-26.5#	109	0.00
57 T	2-Hexanone	0.122	0.114	7.2	68	0.00
58 T	Dibromochloromethane	0.251	0.263	-4.6	88	0.00
59 T	1,2-Dibromoethane	0.214	0.227	-6.3	87	0.00
60 T	Chlorobenzene	0.820	0.859	-4.7	86	0.00
61 T	1,1,1,2-tetrachloroethane	0.280	0.292	-4.2	86	0.00
62 T	Ethyl Benzene	1.325	1.373	-3.6	84	0.00
63 T	p- & m-Xylenes	0.998	1.052	-5.4	84	0.00
64 T	o-Xylene	1.034	1.091	-5.5	85	0.00
65 T	Styrene	0.826	0.880	-6.6	85	0.00
66 T	Bromoform	0.142	0.145	-2.0	85	0.00
67 I	1,2-DICHLOROBENZENE-d4 (IST)	1.000	1.000	0.0	78	0.00
68 T	p-Ethyltoluene	2.390	2.454	-2.6	84	0.00
69 T	Isopropylbenzene	2.945	3.040	-3.2	84	0.00
70 S	p-Bromofluorobenzene (SURR)	1.123	1.079	4.0	78	0.00
71 T	1,1,2,2-Tetrachloroethane	0.556	0.541	2.7	80	0.00
72 T	Bromobenzene	1.137	1.097	3.5	81	0.00
73 T	trans-1,4-Dichloro-2-butene	0.595	0.557	6.4	77	0.00
74 T	1,2,3-Trichloropropane	0.154	0.158	-2.6	84	0.00
75 T	n-Propylbenzene	3.378	3.411	-1.0	82	0.00
76 T	2-Chlorotoluene	2.276	2.278	-0.1	82	0.00
77 T	4-Chlorotoluene	2.107	2.110	-0.2	83	0.00
78 T	1,3,5-Trimethylbenzene	2.390	2.454	-2.6	84	0.00
79 T	tert-Butylbenzene	2.003	2.072	-3.5	85	0.00
80 T	1,2,4-Trimethylbenzene	2.438	2.492	-2.2	83	0.00
81 T	sec-Butylbenzene	2.848	2.908	-2.1	82	0.00
82 T	1,3-Dichlorobenzene	1.359	1.423	-4.7	85	0.00
83 T	p-Isopropyltoluene	2.460	2.556	-3.9	83	0.00
84 T	1,4-Dichlorobenzene	1.392	1.450	-4.1	86	0.00
85	1,2,3-Trimethylbenzene	1.020	1.025	-0.5	81	0.00
86 T	p-Diethylbenzene	1.331	1.316	1.1	80	0.00
87 T	1,2-Dichlorobenzene	1.244	1.265	-1.7	83	0.00
88 T	n-Butylbenzene	2.519	2.466	2.1	78	0.00
89 T	1,2-Dibromo-3-chloropropane	0.074	0.072	2.3	81	0.00
90 T	1,2,4,5-Tetramethylbenzene	2.261	2.233	1.2	80	0.00
91 T	1,2,4-Trichlorobenzene	0.725	0.725	0.0	84	0.00
92 T	Hexachloro-1,3-Butadiene	0.321	0.323	-0.7	86	0.00
93 T	Naphthalene	1.325	1.287	2.9	81	0.00
94 T	1,2,3-Trichlorobenzene	0.560	0.552	1.4	84	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : C:\msdchem\1\data\V7092316\
 Data File : V710671.D
 Acq On : 24 Sep 2016 5:30 am
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CCV1
 Misc : QBV7092316B Y16I078
 ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 27 10:22:09 2016
 Quant Method : C:\msdchem\1\methods\V7LO0060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	61092	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.019	117	274816	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	123527	10.00	ppb	0.00

System Monitoring Compounds

34) d4-1,2-Dichloroethane ...	5.700	65	66463	10.20	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.00%		
51) Toluene-d8 (SURR)	7.517	98	332264	9.73	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.30%		
70) p-Bromofluorobenzene (...)	10.282	95	133264	9.60	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.00%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.627	85	65203	11.05	ppb	100
3) Chloromethane	1.861	50	33157m	5.87	ppb	
4) Vinyl Chloride	1.938	62	71038	9.90	ppb	100
5) Bromomethane	2.303	94	8663m	8.71	ppb	
6) Chloroethane	2.409	64	42421	10.43	ppb	100
7) Trichlorofluoromethane	2.665	101	95984	11.83	ppb	99
8) Ethanol	2.912	45	7940	350.01	ppb	100
9) Freon-113	3.171	101	66528	10.75	ppb	# 79
10) 1,1-Dichloroethylene	3.196	61	92164	10.27	ppb	99
11) Acrolein	3.129	56	8905	11.18	ppb	98
12) Acetone	3.285	43	13939	8.93	ppb	98
13) Iodomethane	3.366	142	10997	6.95	ppb	98
14) Methyl Acetate	3.591	43	32157	9.88	ppb	99
15) Carbon disulfide	3.424	76	224894	11.41	ppb	100
16) tert-Butyl Alcohol (TBA)	3.830	59	6761m	14.49	ppb	
17) Methylene Chloride	3.700	49	89164	9.65	ppb	90
18) Acrylonitrile	3.967	53	13872	8.75	ppb	93
19) trans-1,2-Dichloroethy...	3.947	61	103320	10.68	ppb	# 89
20) tert-Butyl Methyl Ethe...	3.928	73	196925	10.74	ppb	# 91
21) 1,1-Dichloroethane	4.362	63	133867	10.75	ppb	100
22) Vinyl Acetate	4.390	43	179502	9.64	ppb	# 100
23) Diisopropyl ether (DIPE)	4.367	45	219100	10.08	ppb	98
24) Ethyl-tert-Butyl ether...	4.715	59	216214	9.80	ppb	# 98
25) cis-1,2-Dichloroethylene	4.918	61	115536	10.41	ppb	# 70
26) 2-Butanone	4.943	72	5591	7.51	ppb	85
27) 2,2-Dichloropropane	4.896	77	82300	8.99	ppb	# 100
28) Tetrahydrofuran	5.191	71	6168	11.08	ppb	# 51
29) Bromochloromethane	5.152	49	48850	10.29	ppb	95
30) Chloroform	5.219	83	133996	11.25	ppb	# 100
31) 1,1,1-Trichloroethane	5.369	97	109914	11.18	ppb	# 86
32) Cyclohexane	5.399	56	128529	10.58	ppb	94
33) 1,1-Dichloropropylene	5.522	75	105779	10.75	ppb	87
35) Carbon Tetrachloride	5.522	117	91998	11.27	ppb	99
36) tert-Amyl alcohol (TAA)	5.731	59	42225	90.38	ppb	90
37) 1,2-Dichloroethane	5.772	62	84308	11.37	ppb	# 98
38) Benzene	5.728	78	329297	11.01	ppb	97
39) tert-Amyl methyl ether...	5.789	73	193497	9.32	ppb	# 100
41) Trichloroethylene	6.337	95	85149	10.61	ppb	95
42) Methyl Cyclohexane	6.485	83	137985	10.32	ppb	92
43) Methyl Methacrylate	6.640	69	44501	10.19	ppb	# 99
44) Dibromomethane	6.707	93	42651	11.14	ppb	# 62
45) Bromodichloromethane	6.846	83	96093	10.09	ppb	98
46) 1,2-Dichloropropane	6.571	63	83384	9.99	ppb	98
47) 1,4-Dioxane	6.715	88	9253m	230.44	ppb	

Data Path : C:\msdchem\1\data\V7092316\
 Data File : V710671.D
 Acq On : 24 Sep 2016 5:30 am
 InstName : MSVOA7
 Operator : SS
 Sample : SEQ-CCV1
 Misc : QBV7092316B Y16I078
 ALS Vial : 47 Sample Multiplier: 1

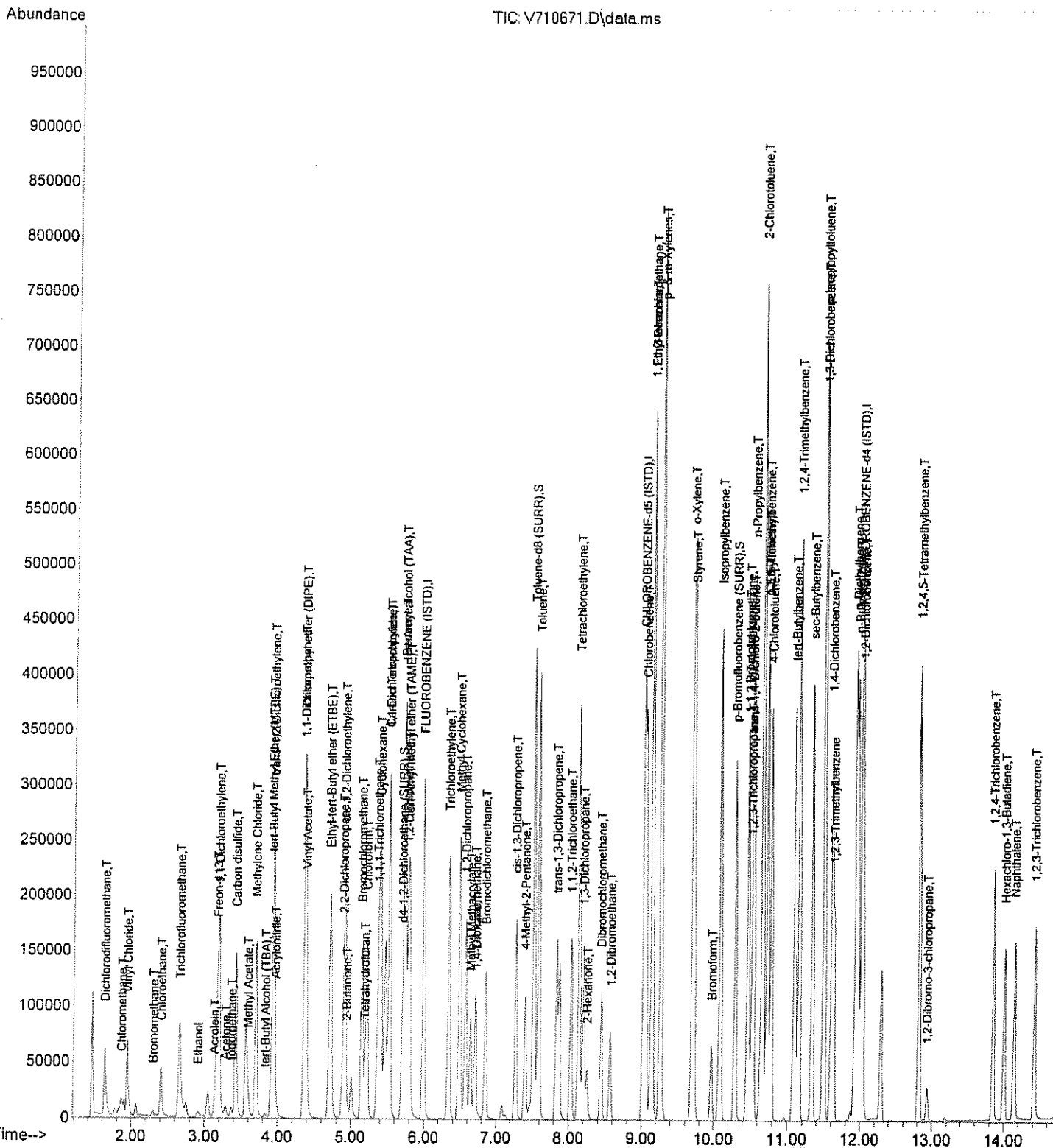
Quant Time: Sep 27 10:22:09 2016
 Quant Method : C:\msdchem\1\methods\V7LO0060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) cis-1,3-Dichloropropene	7.269	75	123055	9.66	ppb	91
50) 4-Methyl-2-Pentanone	7.400	43	83750	9.47	ppb	91
52) Toluene	7.586	91	353163	10.37	ppb	100
53) trans-1,3-Dichloropropene	7.831	75	102738	9.66	ppb	# 100
54) 1,1,2-Trichloroethane	8.023	97	63903	10.67	ppb	97
55) 1,3-Dichloropropane	8.196	76	110080	10.27	ppb	# 94
56) Tetrachloroethylene	8.134	166	141092	12.64	ppb	# 100
57) 2-Hexanone	8.249	43	31217	9.28	ppb	85
58) Dibromochloromethane	8.440	129	72151	10.46	ppb	98
59) 1,2-Dibromoethane	8.568	107	62458	10.62	ppb	99
60) Chlorobenzene	9.053	112	236064	10.47	ppb	97
61) 1,1,1,2-tetrachloroethane	9.136	131	80226	10.43	ppb	99
62) Ethyl Benzene	9.139	91	377362	10.36	ppb	99
63) p- & m-Xylenes	9.258	91	578105	21.08	ppb	98
64) o-Xylene	9.695	91	299944	10.55	ppb	99
65) Styrene	9.718	104	241969	10.66	ppb	# 100
66) Bromoform	9.968	173	39867	10.20	ppb	# 100
68) p-Ethyltoluene	10.722	105	303099	10.26	ppb	# 100
69) Isopropylbenzene	10.079	105	375516	10.32	ppb	97
71) 1,1,2,2-Tetrachloroethane	10.466	83	66862	9.73	ppb	# 100
72) Bromobenzene	10.460	77	135494	9.65	ppb	98
73) trans-1,4-Dichloro-2-b...	10.516	75	68832	9.36	ppb	83
74) 1,2,3-Trichloropropane	10.510	110	19522	10.26	ppb	79
75) n-Propylbenzene	10.533	91	421298	10.10	ppb	99
76) 2-Chlorotoluene	10.655	91	281448	10.01	ppb	99
77) 4-Chlorotoluene	10.775	91	260612	10.01	ppb	100
78) 1,3,5-Trimethylbenzene	10.722	105	303099	10.26	ppb	99
79) tert-Butylbenzene	11.086	119	256015	10.35	ppb	96
80) 1,2,4-Trimethylbenzene	11.148	105	307871	10.22	ppb	98
81) sec-Butylbenzene	11.331	105	359210	10.21	ppb	97
82) 1,3-Dichlorobenzene	11.498	146	175776	10.47	ppb	98
83) p-Isopropyltoluene	11.490	119	315764	10.39	ppb	97
84) 1,4-Dichlorobenzene	11.598	146	179083	10.41	ppb	99
85) 1,2,3-Trimethylbenzene	11.629	105	126644	10.05	ppb	# 1
86) p-Diethylbenzene	11.924	105	162536	9.89	ppb	99
87) 1,2-Dichlorobenzene	12.027	146	156260	10.17	ppb	# 100
88) n-Butylbenzene	11.954	91	304654	9.79	ppb	97
89) 1,2-Dibromo-3-chloropr...	12.928	75	8928	9.77	ppb	98
90) 1,2,4,5-Tetramethylben...	12.817	119	275867	9.88	ppb	99
91) 1,2,4-Trichlorobenzene	13.846	180	89590	10.00	ppb	99
92) Hexachloro-1,3-Butadiene	14.005	225	39914	10.07	ppb	97
93) Naphthalene	14.136	128	159000	9.71	ppb	100
94) 1,2,3-Trichlorobenzene	14.417	180	68246	9.86	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : C:\msdchem\1\data\V7092316\
Data File : V710671.D
Acq On    : 24 Sep 2016    5:30 am
InstName  : MSVOA7
Operator  : SS
Sample    : SEQ-CCV1
Misc      : QBV7092316B Y16I078
ALS Vial  : 47    Sample Multiplier: 1
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Quant Time: Sep 27 10:22:09 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration



Response Factor Report MSVOA6

Method Path : C:\msdchem\1\METHODS\
 Method File : V6LO0099.M
 Title : Volatile Organics EPA 8260C
 Last Update : Fri Sep 23 12:01:14 2016
 Response Via : Initial Calibration

Calibration Files

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 80.0=V6020139.D 120 =V6020140.D 160 =V6020141.D

Compound		0.5	2.0	4.0	10.0	20.0	40.0	80.0	120	160	Avg	%RSD
		-----ISTD-----										
1) I	FLUOROBENZENE (ISTD)											
2) T	Dichlorodifl...	1.9438	1.9224	1.8923	1.8661	1.7991	2.3560	1.3349	1.8503	1.4569	1.825	16.08
3) T	Chloromethane	1.5653	1.4924	1.5232	1.5515	1.5237	2.0481	1.6379	1.8474	1.8686	1.673	11.85
4) T	Vinyl Chloride	1.8014	1.6751	1.6276	1.6323	1.6136	2.1151	1.4696	1.7520	1.7558	1.716	10.45
5) T	Bromomethane	0.6387	0.6122	0.6622	0.7390	0.8186	1.1646	0.9914	1.0502	1.1068	0.865	24.96
6) T	Chloroethane	1.0329	1.0291	1.0004	0.9790	0.9584	1.2808	0.9334	1.0202	1.0050	1.027	9.83
7) T	Trichloroflu...	3.0112	2.9491	2.8620	2.8044	2.6666	3.5247	2.2190	2.8106	2.4450	2.810	13.05
8) T	Ethanol		0.0022	0.0024	0.0020	0.0015	0.0024	0.0021	0.0020	0.0028	0.002	17.48
9) T	Freon-113	1.7620	1.7338	1.6748	1.6283	1.6602	2.0796	1.2672	1.7632	1.4381	1.667	13.52
10) T	1,1-Dichloro...	2.8307	2.7748	2.8419	2.7934	2.8412	3.5458	2.4409	2.8399	2.6824	2.843	10.32
11) T	Acrolein		0.0917	0.0926	0.0830	0.0806	0.1017	0.0969	0.0985	0.1041	0.094	9.00
12) T	Acetone		0.3242	0.2351	0.2291	0.2029	0.2737	0.2107	0.2289	0.2271	0.241	16.33
13) T	Iodomethane	0.5143	0.4740	0.5668	0.8006	1.0521	1.4452	1.1009	1.0226	0.9808	0.884	36.46
14) T	Methyl Acetate	0.5460	0.4628	0.3881	0.4332	0.4529	0.5928	0.5026	0.5115	0.5306	0.491	12.81
15) T	Carbon disul...	5.1092	4.9352	4.9913	4.9260	4.9992	6.1855	4.3984	5.0728	4.8182	5.048	9.41
16) T	tert-Butyl A...		0.0689	0.0475	0.0651	0.0580	0.0826	0.0693	0.0686	0.0812	0.068	16.91
17) T	Methylene Ch...		2.7084	2.2242	2.0370	2.0470	2.4970	2.0048	2.0105	2.0086	2.192	12.28
18) T	Acrylonitrile		0.1747	0.1712	0.1826	0.1710	0.2664	0.2164	0.2248	0.2488	0.207	18.16
19) T	trans-1,2-Di...	2.7424	2.5892	2.6887	2.6591	2.7533	3.4151	2.5626	2.7800	2.6907	2.765	9.20
20) T	tert-Butyl M...	3.7257	3.8653	3.9594	3.8912	4.0899	5.0958	4.2758	4.2602	4.2745	4.160	9.71
21) T	1,1-Dichloro...	3.3691	3.2060	3.2915	3.2267	3.3755	4.1877	3.2932	3.3485	3.2698	3.396	8.91
22) T	Vinyl Acetate	3.5994	3.7017	3.9874	3.9146	4.1242	5.0862	4.2670	4.2009	4.2243	4.123	10.43
23) T	Diisopropyl ...	4.4232	4.5590	4.6677	4.5616	4.7853	5.9686	4.7945	4.8125	5.5500	5.464	10.14
24) T	Ethyl-tert-B...	4.8447	5.1724	5.2280	5.0903	5.3532	6.7853	5.5700	5.5813	5.5500	5.464	9.39
25) T	cis-1,2-Dich...	3.0017	2.8552	3.0075	3.0179	3.1666	3.9303	3.1098	3.1918	3.1303	3.157	9.76
26) T	n-Butanone		0.0574	0.0769	0.0841	0.0879	0.1060	0.0991	0.0857	0.0907	0.086	17.05
27) T	2,2-Dichloro...	3.2512	3.1705	3.1384	3.1106	3.1437	3.9065	2.8066	3.1101	2.9415	3.175	9.59
28) T	Tetrahydrofuran		0.1539	0.1918	0.0965	0.1833	0.2458	0.2141	0.2137	0.2215	0.190	24.64
29) T	Bromochlorom...	0.9426	1.0296	1.0602	1.0212	1.0452	1.2963	1.0465	1.0091	1.0213	1.052	9.26
30) T	Chloroform	3.4386	3.2935	3.3707	3.3330	3.4962	4.3561	3.4728	3.5639	3.4976	3.536	9.04
31) T	1,1,1-Trichl...	3.2610	3.0546	3.1606	3.1889	3.2284	4.0506	2.9045	3.3311	3.1511	3.259	9.86
32) T	Cyclohexane	2.7550	2.8881	2.8303	2.8051	2.9000	3.6149	2.1940	3.0308	2.5310	2.839	13.44
33) T	1,1-Dichloro...	2.4927	2.6550	2.6356	2.6347	2.7264	3.5334	2.4479	2.9245	2.7508	2.756	11.74
34) S	d4-1,2-Dichl...	1.3553	1.3690	1.3299	1.2855	1.3121	1.3311	1.2830	1.2834	1.3177	1.319	2.37
35) T	Carbon Tetra...	2.8072	2.7050	2.7537	2.6672	2.7927	3.4928	2.3817	2.8668	2.6352	2.789	10.71
36) T	tert-Amyl al...	0.0682	0.0703	0.0767	0.0731	0.0731	0.0992	0.0876	0.0892	0.0963	0.082	14.33

	1,2-Dichloro...	2.1505	2.2433	2.1000	2.0178	2.2167	2.7793	2.3067	2.2804	2.2755	2.263	9.51
	Benzene	6.5666	6.4955	6.8167	6.5888	6.8864	8.5938	6.6894	6.9691	6.7786	6.932	9.27
	tert-Amyl me...	4.4376	4.5036	4.7035	4.5402	4.8488	6.0709	5.1772	5.1670	5.1693	4.958	10.34
37) T	CHLOROBENZENE-d5 (...)						ISTD					
38) T	Trichloroeth...	0.6062	0.5369	0.5582	0.5599	0.5797	0.7442	0.5825	0.6465	0.6227	0.604	10.37
39) T	Methyl Cyclo...	0.8833	0.8726	0.8618	0.8542	0.8909	1.1247	0.7136	0.9919	0.7966	0.888	13.07
	Methyl Metha...		0.1614	0.1686	0.1651	0.1878	0.2543	0.2292	0.2355	0.2359	0.205	18.48
	Dibromomethane	0.2079	0.2151	0.2248	0.2238	0.2357	0.3045	0.2643	0.2617	0.2595	0.244	12.63
	Bromodichlor...	0.6826	0.7198	0.7357	0.7146	0.7470	0.9588	0.8143	0.8200	0.8010	0.777	10.72
	1,2-Dichloro...	0.4122	0.4763	0.4883	0.4793	0.5083	0.6415	0.5491	0.5529	0.5513	0.518	12.58
	1,4-Dioxane		0.0005	0.0007	0.0009	0.0007	0.0016	0.0016	0.0018	0.0018	0.001	47.00
	2-Chloroethy...		0.1431	0.1431	0.1588	0.1772	0.2408	0.2138	0.2151	0.2143	0.188	19.95
	cis-1,3-Dich...	0.6752	0.7473	0.7930	0.8235	0.8684	1.1045	0.9438	0.9321	0.9170	0.867	14.56
	4-Methyl-2-P...		0.2340	0.3083	0.3433	0.3825	0.5059	0.4594	0.4585	0.4541	0.393	23.58
	Toluene-d8 (...)	1.4293	1.4255	1.4103	1.4434	1.4216	1.4261	1.4421	1.4623	1.4582	1.435	1.21
	Toluene	2.2623	2.1023	2.1880	2.1421	2.1892	2.7550	2.1817	2.2972	2.1693	2.254	8.72
	trans-1,3-Di...	0.5286	0.5673	0.6612	0.6888	0.7466	0.9581	0.8267	0.8150	0.7982	0.732	18.51
	1,1,2-Trichl...	0.3138	0.2979	0.3010	0.2980	0.3132	0.3917	0.3394	0.3334	0.3319	0.324	9.16
	1,3-Dichloro...	0.5282	0.5569	0.5495	0.5608	0.5892	0.7510	0.6375	0.6337	0.6232	0.603	11.27
	Tetrachloroe...	0.4421	0.4545	0.4769	0.4830	0.4951	0.7509	0.4717	0.6268	0.5530	0.528	19.14
	2-Hexanone		0.0455	0.0444	0.1183	0.1424	0.1764	0.1585	0.1675	0.1672	0.128	42.39
	Dibromochlor...	0.3114	0.3887	0.3830	0.3840	0.4050	0.5271	0.4505	0.4475	0.4416	0.415	14.52
	1,2-Dibromoe...	0.2446	0.2583	0.2729	0.2756	0.3015	0.3855	0.3324	0.3325	0.3269	0.303	14.82
	Chlorobenzene	1.2345	1.2180	1.2849	1.2610	1.2949	1.6175	1.3262	1.3636	1.3147	1.324	8.99
	1,1,1,2-tetr...	0.4082	0.4334	0.4426	0.4530	0.4631	0.5832	0.4796	0.4850	0.4702	0.469	10.50
	Ethyl Benzene	2.2420	2.3851	2.5139	2.5022	2.5558	3.1733	2.4040	2.5843	2.3552	2.524	10.56
	p- & m-Xylenes	1.7832	1.9054	2.0305	2.0054	2.0384	2.5177	1.8726	1.8885	1.5967	1.960	12.80
	o-Xylene	1.8429	1.9259	2.0537	2.0627	2.0895	2.5798	2.0339	2.1404	2.0017	2.081	9.95
	Styrene	1.0894	1.1339	1.2513	1.2920	1.3572	1.6806	1.3816	1.4267	1.3822	1.333	13.06
	Bromofrom	0.1662	0.1670	0.1895	0.1933	0.2026	0.2628	0.2278	0.2288	0.2266	0.207	15.44

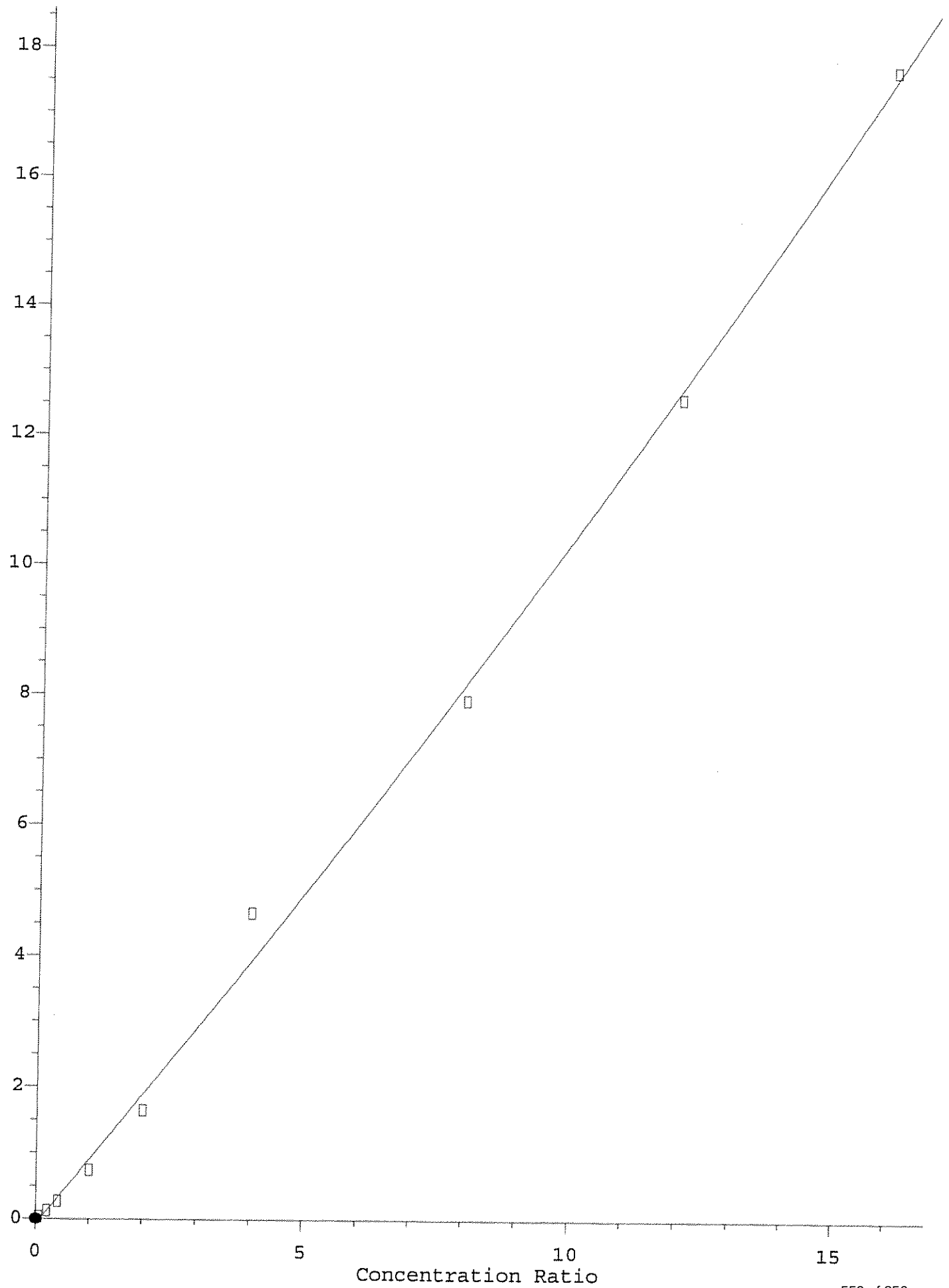
86)	T	p-Diethylben...	2.9715	2.5256	2.6530	2.7368	2.7899	3.4179	2.4632	2.8815	2.5684	2.779	10.51
87)	T	1,2-Dichloro...	1.8870	1.8495	1.9122	2.1179	1.8930	2.3069	1.9233	1.9357	1.8725	1.966	7.60
88)	T	n-Butylbenzene	6.0944	5.5680	5.7471	5.9728	6.0125	7.2249	5.1086	5.9756	5.2051	5.879	10.51
89)	T	1,2-Dibromo-...		0.0975	0.0450	0.1328	0.1416	0.1912	0.1754	0.1707	0.1697	0.141	34.64
90)	T	1,2,4,5-Tetr...	4.1688	3.8813	4.1115	4.3598	4.6281	5.6082	4.3091	4.7017	4.2694	4.449	11.28
91)	T	1,2,4-Trichl...		1.0334	1.1023	1.1729	1.2663	1.5783	1.3000	1.3753	1.2943	1.230	15.52
92)	T	Hexachloro-1...		0.7329	0.6722	0.6715	0.6837	0.8143	0.5723	0.7243	0.6232	0.684	10.05
93)	T	Naphthalene		1.6344	1.5311	1.6424	1.8665	2.3601	2.0910	2.1150	2.0808	1.865	16.70
94)	T	1,2,3-Trichl...	0.8092	0.8594	0.8459	0.9250	0.9724	1.2093	1.0209	1.0774	1.0180	0.971	13.09

(#) = Out of Range

V6LO0099.M Fri Sep 23 12:01:48 2016

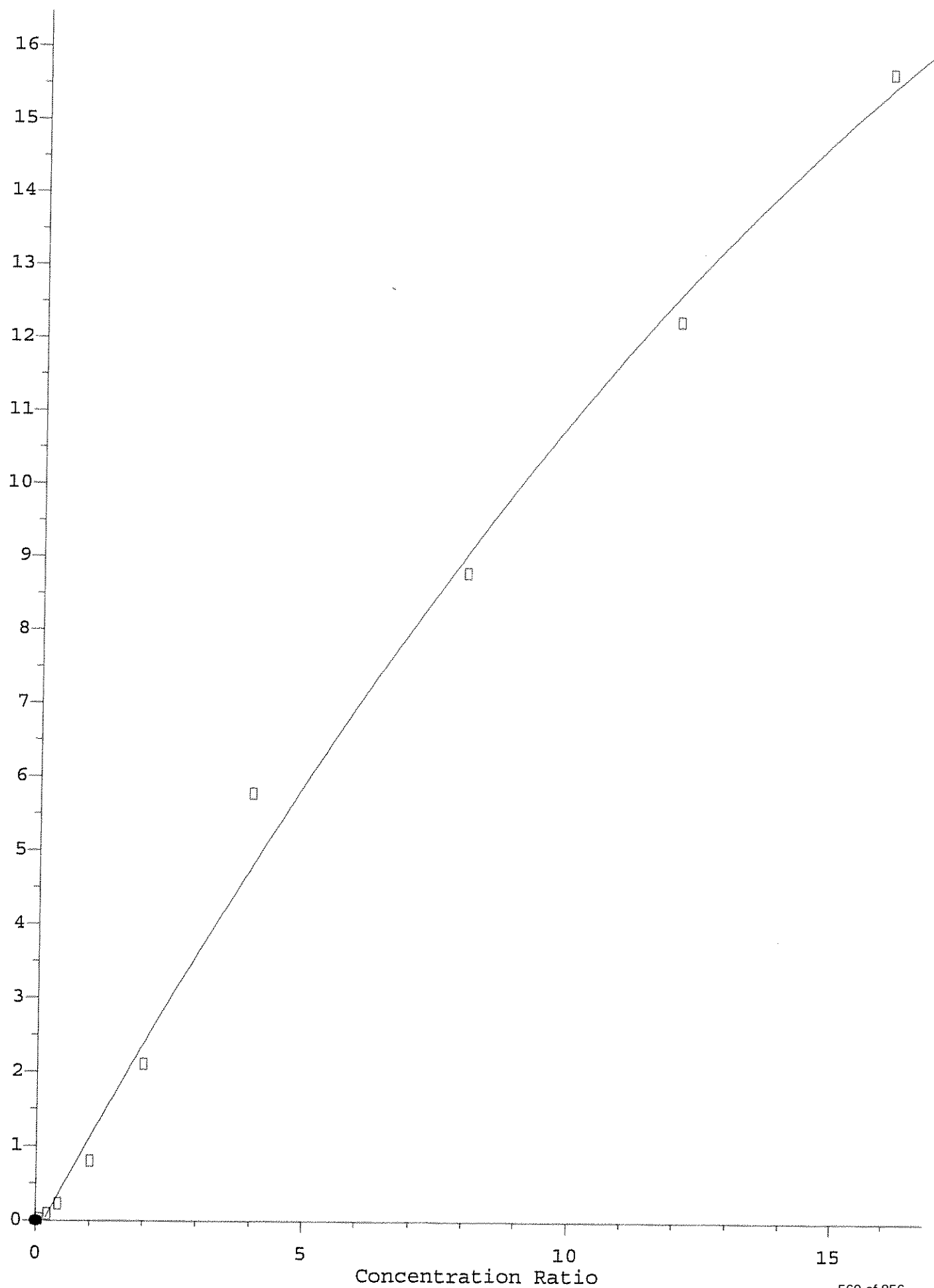
Bromomethane

Response Ratio

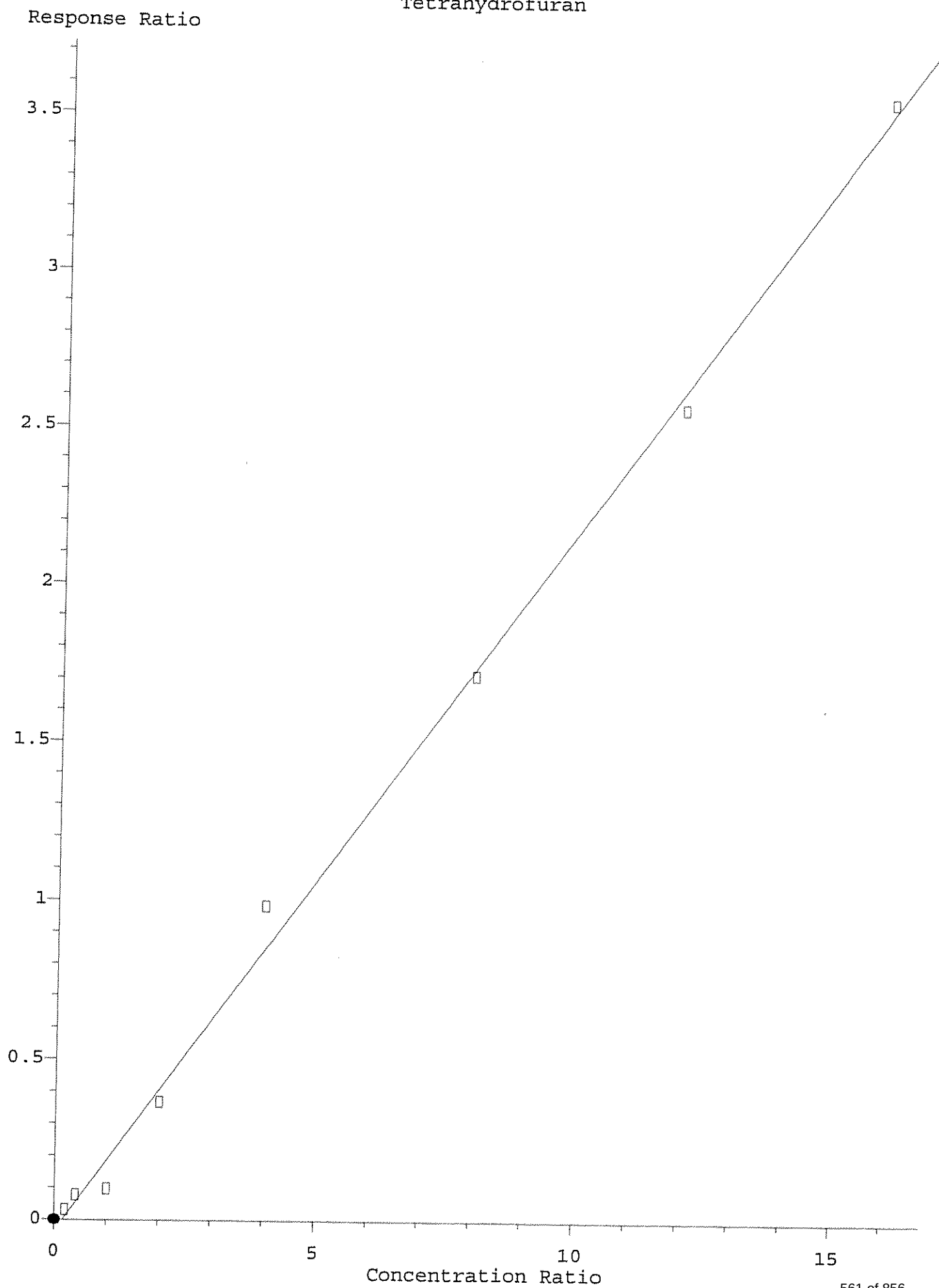


Iodomethane

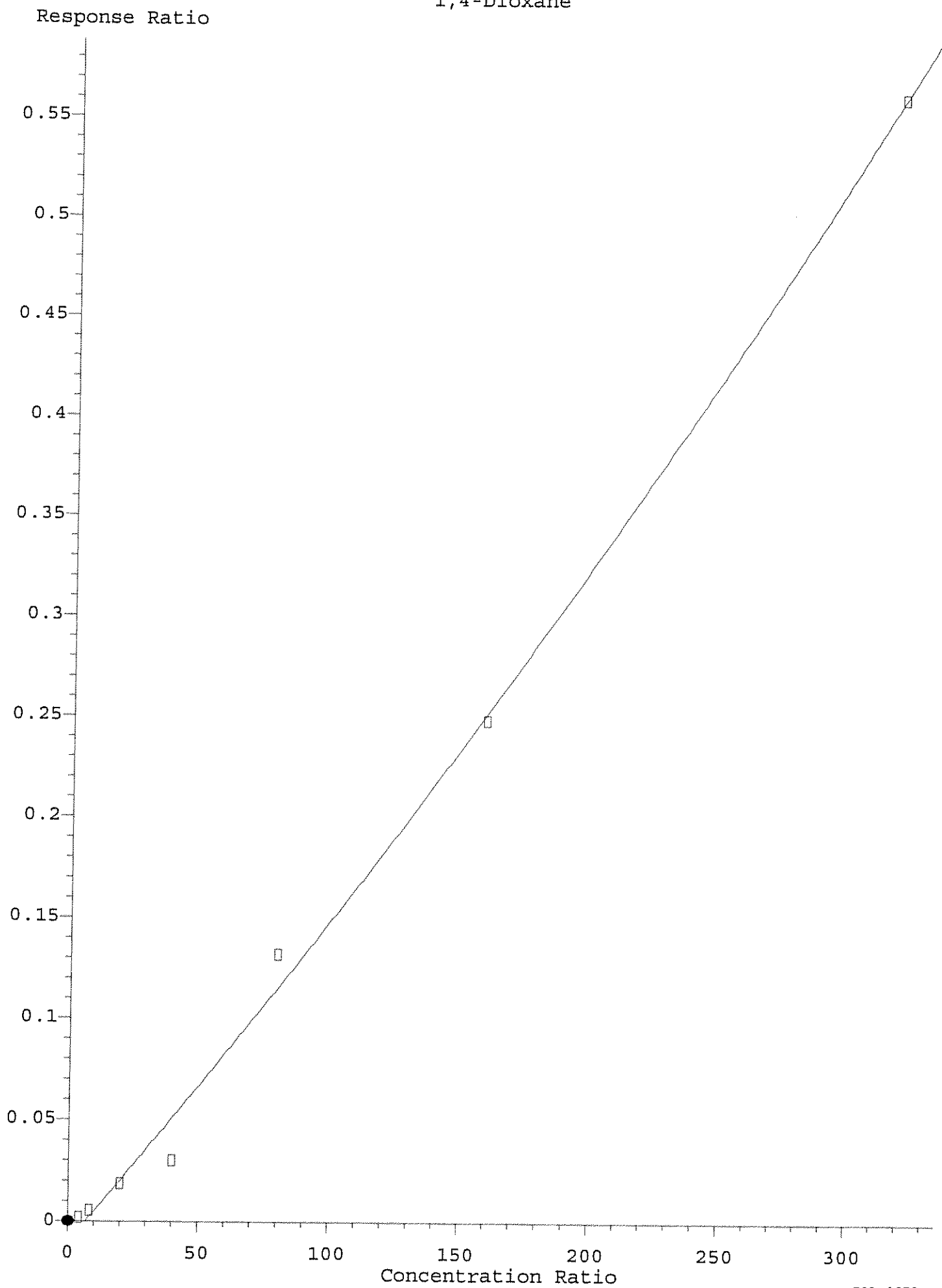
Response Ratio



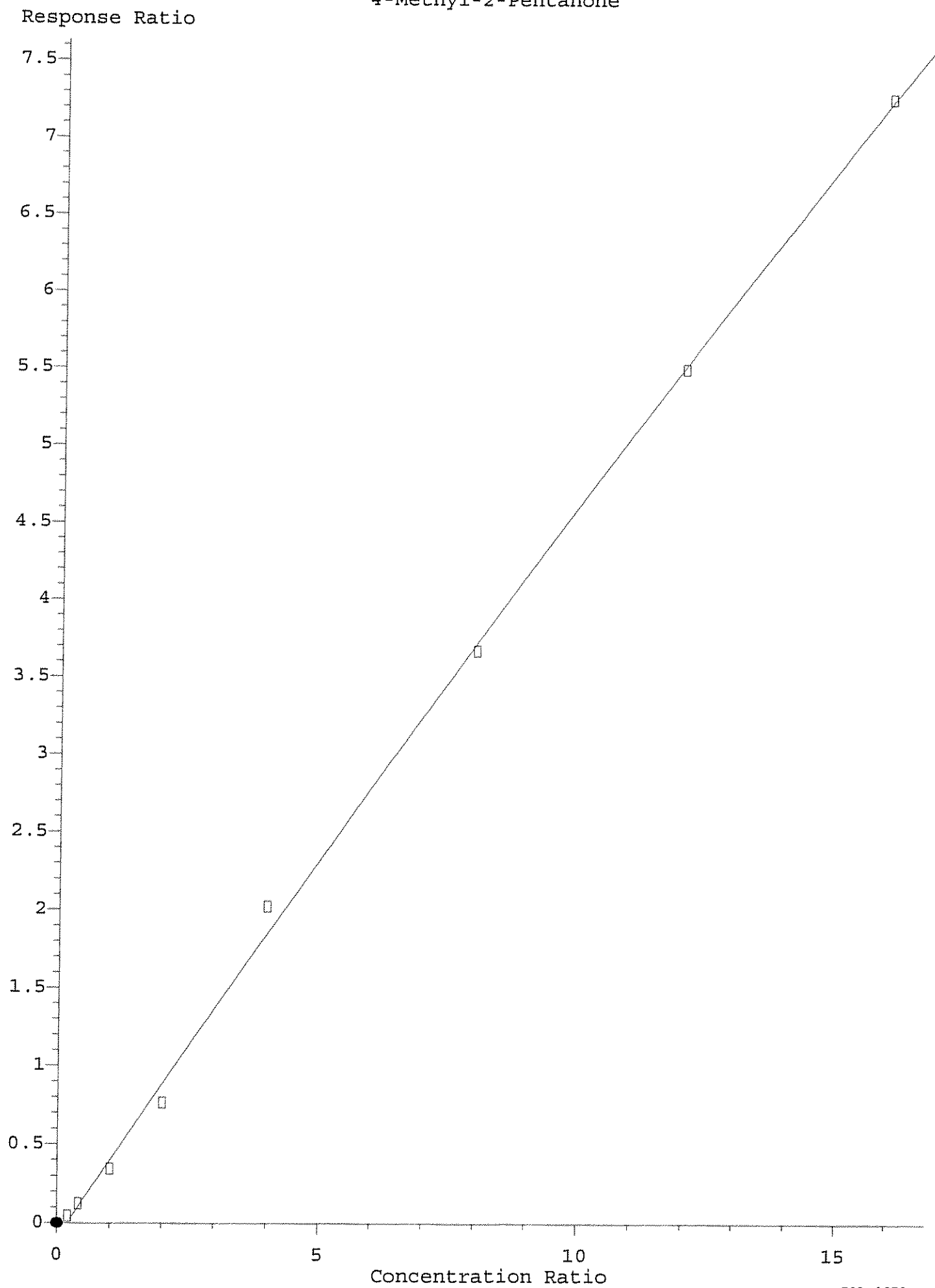
Tetrahydrofuran



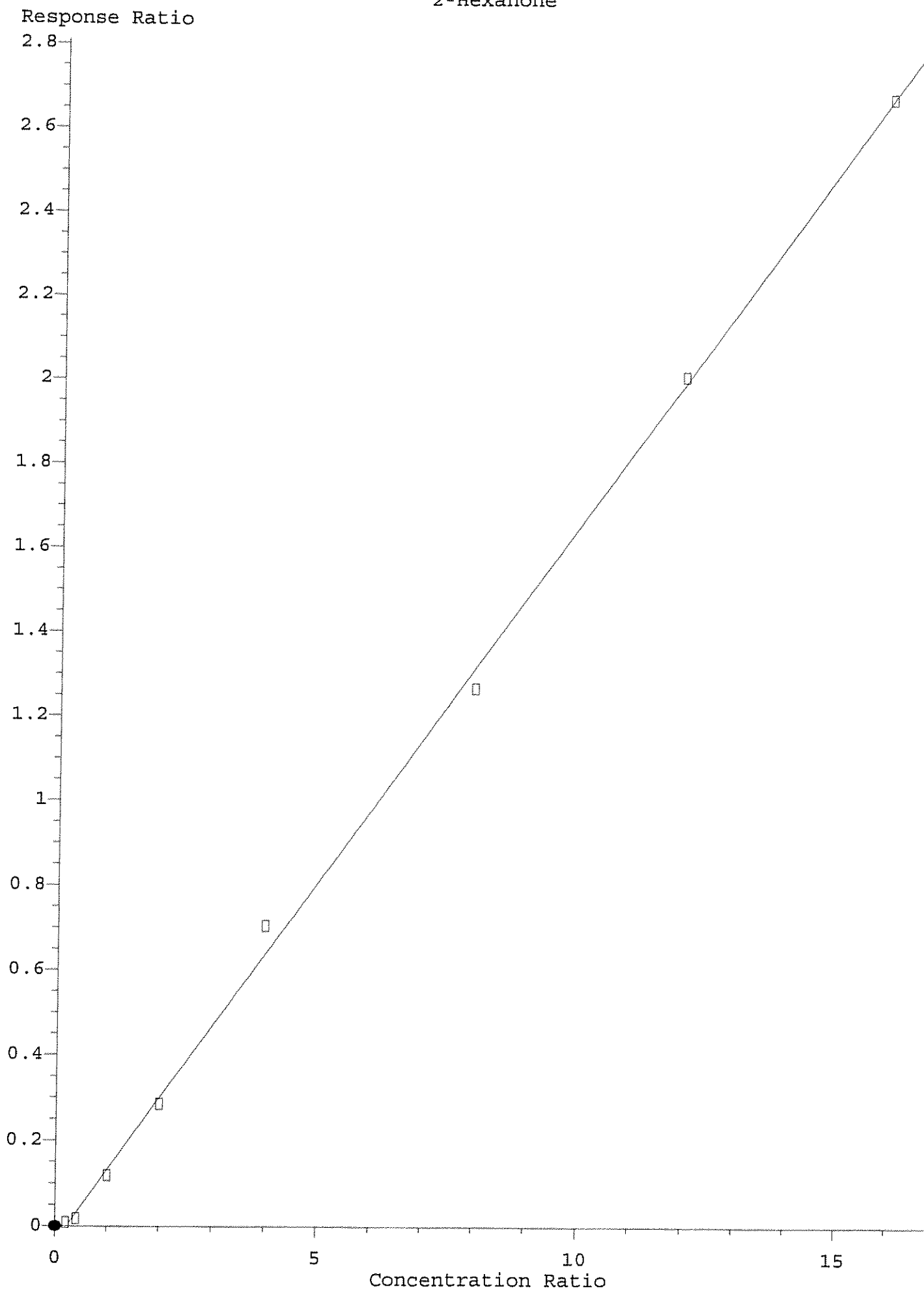
1,4-Dioxane



4-Methyl-2-Pentanone

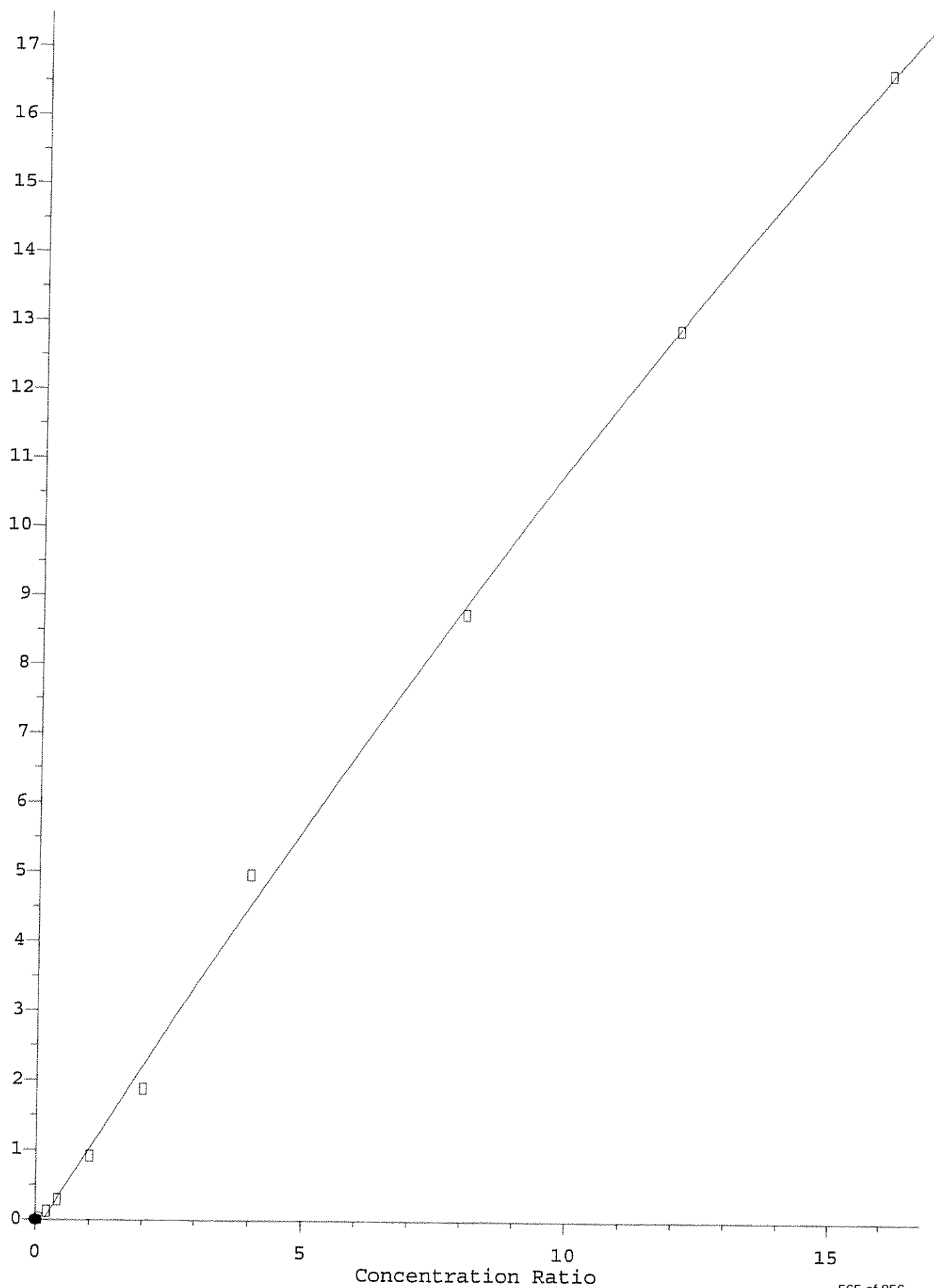


2-Hexanone

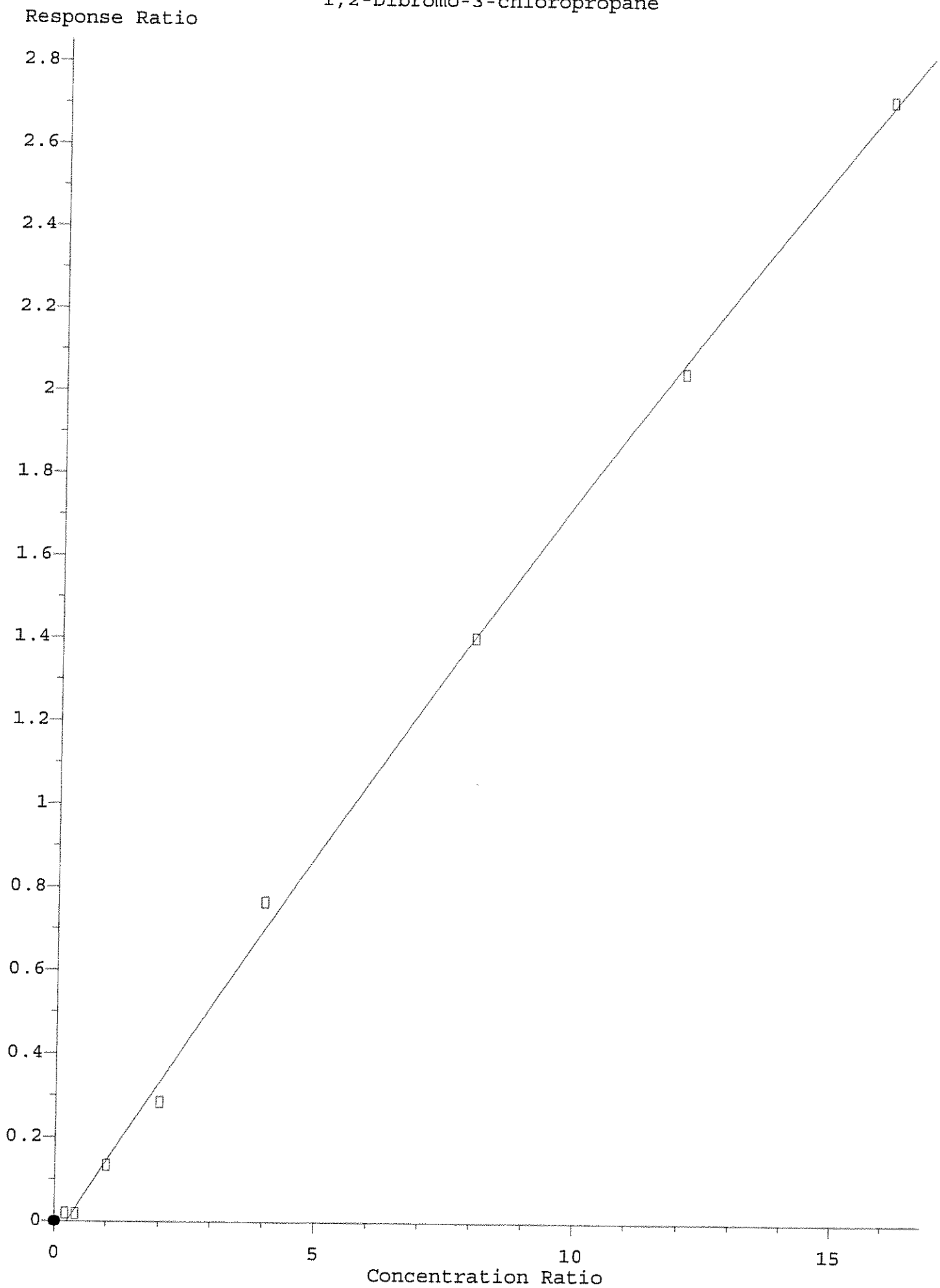


trans-1,4-Dichloro-2-butene

Response Ratio



1,2-Dibromo-3-chloropropane



Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020133.D
 Acq On : 22 Sep 2016 4:58 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL1
 Misc : QBV6092216A
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 23 11:17:26 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.742	70	109591	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	8.777	117	361987	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.743	152	138655	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.450	65	148524	9.58	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	95.80%	
51) Toluene-d8 (SURR)	7.275	98	517374	12.63	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	126.30%	
70) p-Bromofluorobenzene (...)	10.043	95	204235	10.39	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	103.90%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.338	85	10651m	0.38	ppb	
3) Chloromethane	1.532	50	8577	0.41	ppb	# 75
4) Vinyl Chloride	1.624	62	9871m	0.38	ppb	
5) Bromomethane	1.975	94	3500m	5.63	ppb	
6) Chloroethane	2.081	64	5660m	0.38	ppb	
7) Trichlorofluoromethane	2.337	101	16500	0.41	ppb	99
8) Ethanol	2.662	45	1115m	30.36	ppb	
9) Freon-113	2.868	101	9655	0.39	ppb	# 53
10) 1,1-Dichloroethylene	2.882	61	15511	0.37	ppb	# 90
12) Acetone	3.010	43	2318m	0.76	ppb	
13) Iodomethane	3.054	142	2818m	3.44	ppb	
14) Methyl Acetate	3.330	43	2992m	0.42	ppb	
15) Carbon disulfide	3.091	76	27996	0.37	ppb	100
16) tert-Butyl Alcohol (TBA)	3.600	59	810m	0.68	ppb	
17) Methylene Chloride	3.416	49	20920	0.69	ppb	# 89
19) trans-1,2-Dichloroethy...	3.658	61	15027	0.37	ppb	97
20) tert-Butyl Methyl Ethe...	3.655	73	20415	0.34	ppb	# 92
21) 1,1-Dichloroethane	4.087	63	18461	0.37	ppb	# 88
22) Vinyl Acetate	4.120	43	19723m	0.47	ppb	
23) Diisopropyl ether (DIPE)	4.120	45	24237	0.34	ppb	# 88
24) Ethyl-tert-Butyl ether...	4.468	59	26547	0.33	ppb	# 85
25) cis-1,2-Dichloroethylene	4.662	61	16448m	0.36	ppb	
27) 2,2-Dichloropropane	4.635	77	17815	0.40	ppb	# 81
29) Bromochloromethane	4.899	49	5165	0.33	ppb	# 66
30) Chloroform	4.971	83	18842	0.37	ppb	# 98
31) 1,1,1-Trichloroethane	5.099	97	17869m	0.37	ppb	
32) Cyclohexane	5.122	56	15096	0.36	ppb	89

Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020133.D
 Acq On : 22 Sep 2016 4:58 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL1
 Misc : QBV6092216A
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 23 11:17:26 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,1-Dichloropropylene	5.263	75	13659	0.33	ppb	# 27
35) Carbon Tetrachloride	5.252	117	15382	0.39	ppb	# 56
36) tert-Amyl alcohol (TAA)	5.547	59	3739m	3.03	ppb	
37) 1,2-Dichloroethane	5.533	62	11784m	0.36	ppb	
38) Benzene	5.469	78	35982	0.35	ppb	# 73
39) tert-Amyl methyl ether...	5.558	73	24316m	0.34	ppb	
41) Trichloroethylene	6.095	95	10972	0.59	ppb	# 34
42) Methyl Cyclohexane	6.232	83	15987m	0.57	ppb	
43) Methyl Methacrylate	6.463	69	1367m	0.22	ppb	
44) Dibromomethane	6.488	93	3763m	0.49	ppb	
45) Bromodichloromethane	6.624	83	12355m	0.53	ppb	
46) 1,2-Dichloropropane	6.326	63	7460m	0.47	ppb	
49) cis-1,3-Dichloropropene	7.047	75	12220m	0.46	ppb	
52) Toluene	7.347	91	40947	0.58	ppb	98
53) trans-1,3-Dichloropropene	7.642	75	9568m	0.42	ppb	
54) 1,1,2-Trichloroethane	7.823	97	5680m	0.57	ppb	
55) 1,3-Dichloropropane	7.987	76	9560m	0.52	ppb	
56) Tetrachloroethylene	7.893	166	8001	0.49	ppb	# 88
58) Dibromochloromethane	8.215	129	5637	0.44	ppb	# 28
59) 1,2-Dibromoethane	8.349	107	4428m	0.46	ppb	
60) Chlorobenzene	8.802	112	22343	0.55	ppb	# 71
61) 1,1,1,2-tetrachloroethane	8.900	131	7388	0.51	ppb	# 52
62) Ethyl Benzene	8.908	91	40578	0.51	ppb	94
63) p- & m-Xylenes	9.028	91	64548	1.03	ppb	# 94
64) o-Xylene	9.462	91	33356	0.51	ppb	98
65) Styrene	9.501	104	19718m	0.47	ppb	
66) Bromofrom	9.754	173	3008m	0.46	ppb	
68) p-Ethyltoluene	10.486	105	39724m	0.74	ppb	
69) Isopropylbenzene	9.846	105	38248	0.60	ppb	# 84
71) 1,1,2,2-Tetrachloroethane	10.255	83	5101m	0.55	ppb	
72) Bromobenzene	10.219	77	13454	0.54	ppb	# 74
73) trans-1,4-Dichloro-2-b...	10.402	75	2419m	0.23	ppb	
74) 1,2,3-Trichloropropane	10.305	110	1445m	0.56	ppb	
75) n-Propylbenzene	10.305	91	44180	0.57	ppb	# 82
76) 2-Chlorotoluene	10.413	91	31432	0.57	ppb	# 94
77) 4-Chlorotoluene	10.544	91	25878m	0.51	ppb	
78) 1,3,5-Trimethylbenzene	10.486	105	39468m	0.73	ppb	
79) tert-Butylbenzene	10.850	119	27251m	0.66	ppb	
80) 1,2,4-Trimethylbenzene	10.911	105	32318	0.60	ppb	# 72
81) sec-Butylbenzene	11.087	105	40462m	0.65	ppb	
82) 1,3-Dichlorobenzene	11.262	146	14005m	0.60	ppb	

Data Path : C:\msdchem\1\DATA\V6092216\
Data File : V6020133.D
Acq On : 22 Sep 2016 4:58 pm
InstName : MSVOA6
Operator : SS
Sample : SEQ-CAL1
Misc : QBV6092216A
ALS Vial : 10 Sample Multiplier: 1

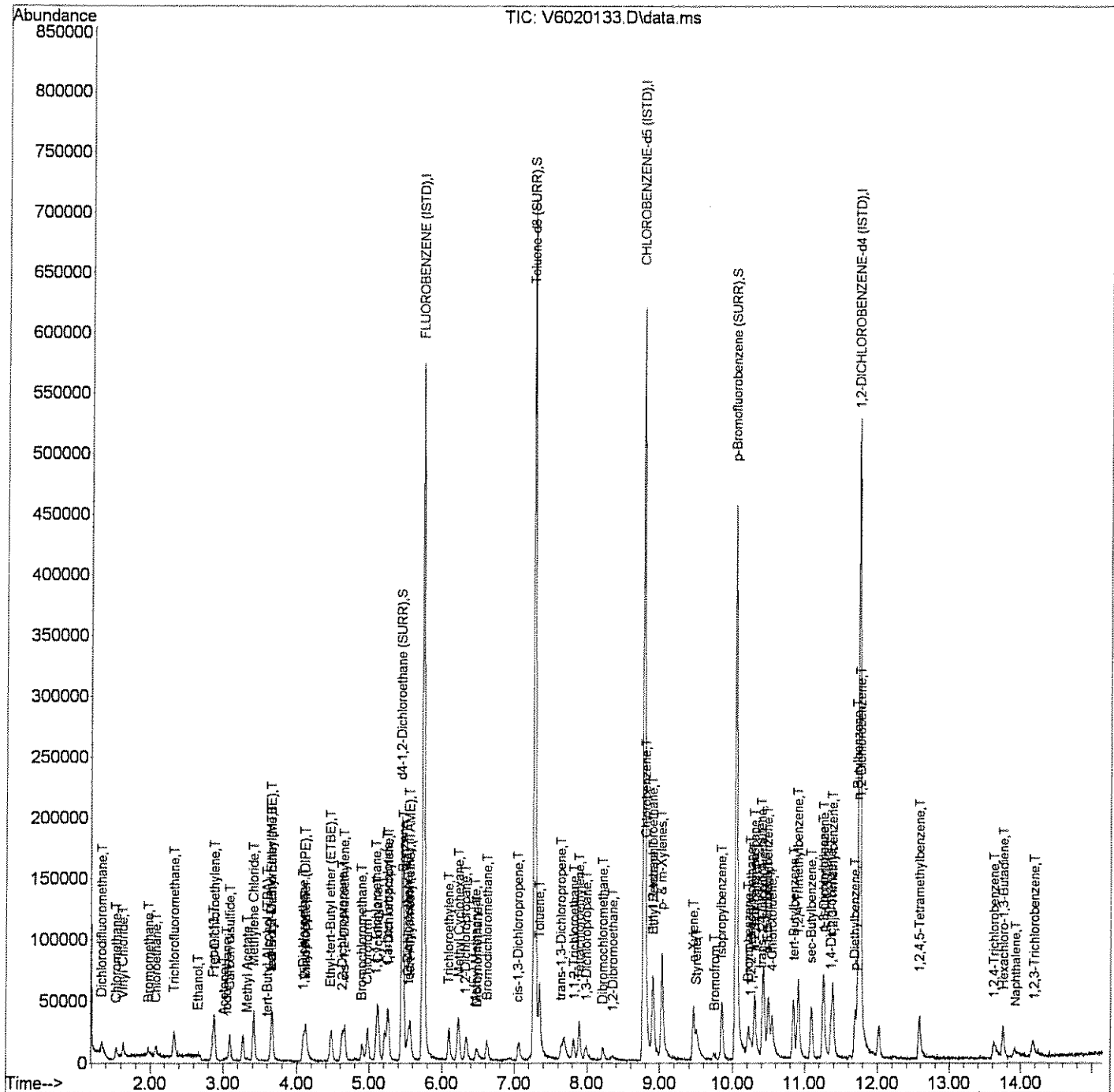
Quant Time: Sep 23 11:17:26 2016
Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 12 10:02:31 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) p-Isopropyltoluene	11.259	119	33752m	0.65	ppb	
84) 1,4-Dichlorobenzene	11.362	146	16631m	0.71	ppb	
85) 1,2,3-Trimethylbenzene	11.382	105	35827	1.59	ppb	# 95
86) p-Diethylbenzene	11.688	105	20601m	0.70	ppb	
87) 1,2-Dichlorobenzene	11.768	146	13082	0.63	ppb	94
88) n-Butylbenzene	11.727	91	42251m	0.66	ppb	
90) 1,2,4,5-Tetramethylben...	12.584	119	28901m	0.60	ppb	
91) 1,2,4-Trichlorobenzene	13.619	180	7164m	0.52	ppb	
92) Hexachloro-1,3-Butadiene	13.752	225	5081m	0.69	ppb	
93) Naphthalene	13.922	128	11331m	0.55	ppb	
94) 1,2,3-Trichlorobenzene	14.186	180	5610m	0.50	ppb	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\V6092216\
Data File : V6020133.D
Acq On : 22 Sep 2016 4:58 pm
InstName : MSVOA6
Operator : SS
Sample : SEQ-CAL1
Misc : QBV6092216A
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 23 11:17:26 2016
Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 12 10:02:31 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020134.D
 Acq On : 22 Sep 2016 5:38 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL2
 Misc : QBV6092216A
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 23 11:53:02 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.745	70	110294	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.780	117	360353	10.00	ppb	0.00
67) 1,2-DICHLORO BENZENE-d4...	11.746	152	145782	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.452	65	150998	9.68	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	96.80%	
51) Toluene-d8 (SURR)	7.278	98	513697	12.60	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	126.00%	
70) p-Bromofluorobenzene (...)	10.046	95	214981	10.40	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	104.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.338	85	42405m	1.52	ppb	
3) Chloromethane	1.532	50	32921	1.55	ppb	93
4) Vinyl Chloride	1.627	62	36951	1.43	ppb	100
5) Bromomethane	1.972	94	13504m	7.64	ppb	
6) Chloroethane	2.083	64	22700m	1.51	ppb	
7) Trichlorofluoromethane	2.331	101	65054	1.60	ppb	99
8) Ethanol	2.645	45	2399m	64.90	ppb	
9) Freon-113	2.868	101	38245m	1.55	ppb	
10) 1,1-Dichloroethylene	2.879	61	61209	1.46	ppb	# 96
11) Acrolein	2.834	56	2023m	1.37	ppb	
12) Acetone	3.012	43	7152m	2.32	ppb	
13) Iodomethane	3.054	142	10456m	4.28	ppb	
14) Methyl Acetate	3.330	43	10209m	1.42	ppb	
15) Carbon disulfide	3.090	76	108864	1.44	ppb	100
16) tert-Butyl Alcohol (TBA)	3.580	59	1519m	1.27	ppb	
17) Methylene Chloride	3.416	49	59743	1.97	ppb	# 94
18) Acrylonitrile	3.727	53	3853m	1.32	ppb	
19) trans-1,2-Dichloroethy...	3.661	61	57115	1.41	ppb	97
20) tert-Butyl Methyl Ethe...	3.655	73	85263	1.40	ppb	# 92
21) 1,1-Dichloroethane	4.089	63	70721	1.41	ppb	# 96
22) Vinyl Acetate	4.131	43	81655m	1.93	ppb	
23) Diisopropyl ether (DIPE)	4.123	45	100565	1.41	ppb	# 92
24) Ethyl-tert-Butyl ether...	4.476	59	114098	1.41	ppb	100
25) cis-1,2-Dichloroethylene	4.660	61	62982	1.37	ppb	# 68
26) 2-Butanone	4.729	72	1266m	1.11	ppb	
27) 2,2-Dichloropropane	4.626	77	69938	1.55	ppb	94
28) Tetrahydrofuran	4.977	42	3395m	1.09	ppb	

Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020134.D
 Acq On : 22 Sep 2016 5:38 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL2
 Misc : QBV6092216A
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 23 11:53:02 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Bromochloromethane	4.902	49	22711	1.44	ppb	# 81
30) Chloroform	4.971	83	72651	1.41	ppb	# 98
31) 1,1,1-Trichloroethane	5.105	97	67380	1.40	ppb	# 98
32) Cyclohexane	5.127	56	63709	1.50	ppb	# 88
33) 1,1-Dichloropropylene	5.263	75	58566	1.43	ppb	# 75
35) Carbon Tetrachloride	5.252	117	59668	1.52	ppb	# 92
36) tert-Amyl alcohol (TAA)	5.539	59	15514m	12.48	ppb	
37) 1,2-Dichloroethane	5.528	62	49485m	1.50	ppb	
38) Benzene	5.466	78	143282	1.39	ppb	# 70
39) tert-Amyl methyl ether...	5.553	73	99343	1.36	ppb	# 92
41) Trichloroethylene	6.090	95	38693	2.08	ppb	# 86
42) Methyl Cyclohexane	6.231	83	62888	2.25	ppb	# 93
43) Methyl Methacrylate	6.454	69	11630m	1.86	ppb	
44) Dibromomethane	6.468	93	15502	2.04	ppb	# 92
45) Bromodichloromethane	6.618	83	51878m	2.23	ppb	
46) 1,2-Dichloropropane	6.326	63	34329	2.15	ppb	# 99
47) 1,4-Dioxane	6.507	88	696m	10.38	ppb	
48) 2-Chloroethyl vinyl ether	6.916	63	10314m	2.19	ppb	
49) cis-1,3-Dichloropropene	7.044	75	53856	2.06	ppb	# 96
50) 4-Methyl-2-Pentanone	7.202	43	16864	1.44	ppb	# 50
52) Toluene	7.344	91	151513	2.17	ppb	# 99
53) trans-1,3-Dichloropropene	7.620	75	40888	1.81	ppb	# 92
54) 1,1,2-Trichloroethane	7.803	97	21468	2.17	ppb	# 78
55) 1,3-Dichloropropane	7.968	76	40137m	2.19	ppb	
56) Tetrachloroethylene	7.893	166	32756	2.00	ppb	# 55
57) 2-Hexanone	8.146	43	3279m	2.85	ppb	
58) Dibromochloromethane	8.212	129	28011	2.20	ppb	# 94
59) 1,2-Dibromoethane	8.332	107	18619	1.94	ppb	# 95
60) Chlorobenzene	8.805	112	87779	2.16	ppb	# 89
61) 1,1,1,2-tetrachloroethane	8.891	131	31237	2.17	ppb	# 91
62) Ethyl Benzene	8.905	91	171897	2.17	ppb	# 95
63) p- & m-Xylenes	9.028	91	274640	4.40	ppb	# 97
64) o-Xylene	9.453	91	138798	2.13	ppb	# 97
65) Styrene	9.484	104	81722	1.98	ppb	# 77
66) Bromofrom	9.726	173	12035	1.85	ppb	# 91
68) p-Ethyltoluene	10.486	105	144651	2.56	ppb	# 79
69) Isopropylbenzene	9.846	105	161145	2.42	ppb	# 96
71) 1,1,2,2-Tetrachloroethane	10.238	83	24856m	2.56	ppb	
72) Bromobenzene	10.205	77	62854	2.39	ppb	# 72
73) trans-1,4-Dichloro-2-b...	10.288	75	18014	1.64	ppb	# 58
74) 1,2,3-Trichloropropane	10.282	110	6752m	2.48	ppb	

Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020134.D
 Acq On : 22 Sep 2016 5:38 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL2
 Misc : QBV6092216A
 ALS Vial : 11 Sample Multiplier: 1

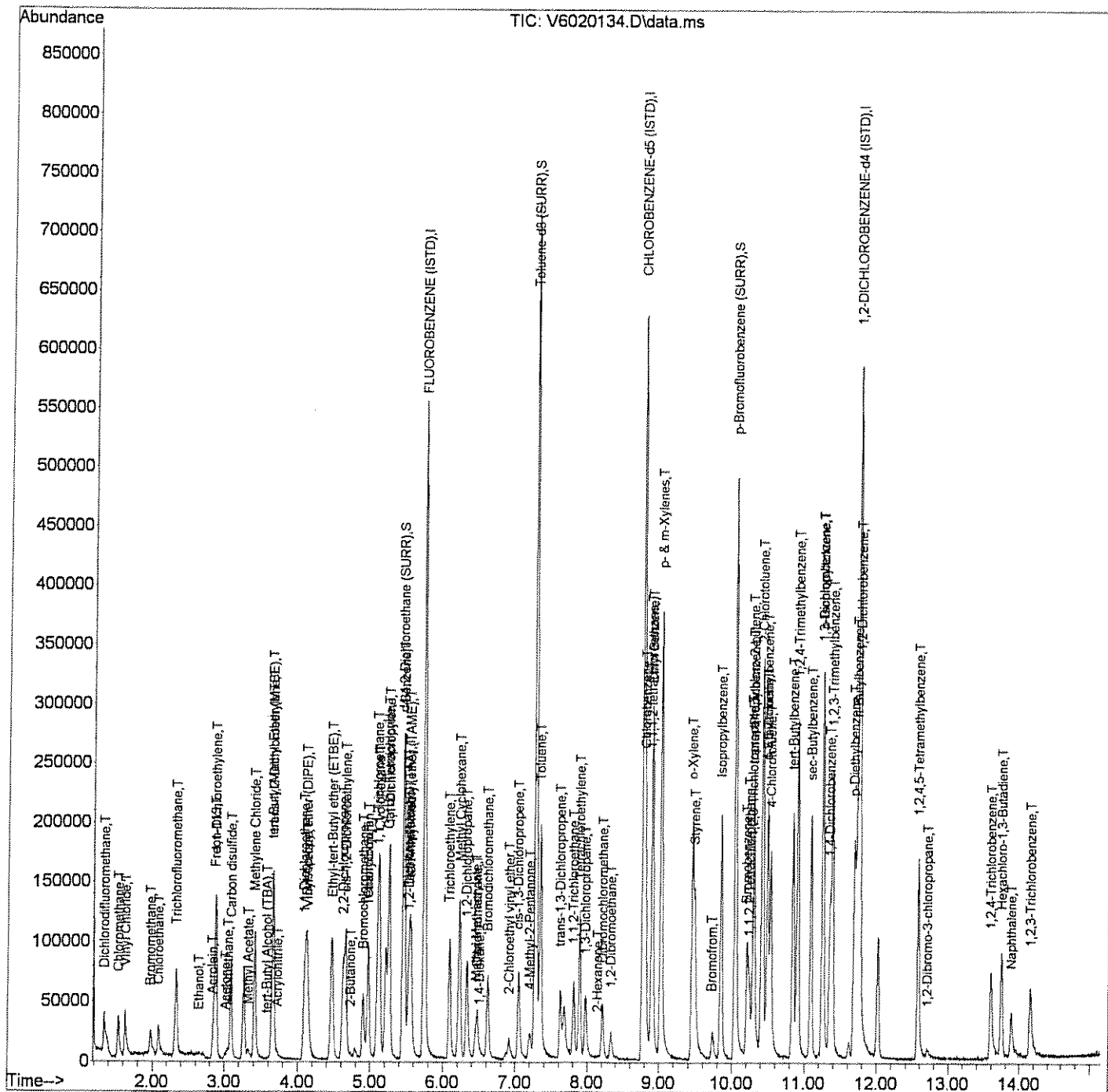
Quant Time: Sep 23 11:53:02 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) n-Propylbenzene	10.296	91	197344	2.44	ppb	95
76) 2-Chlorotoluene	10.410	91	143832	2.47	ppb	98
77) 4-Chlorotoluene	10.530	91	123640	2.33	ppb	97
78) 1,3,5-Trimethylbenzene	10.486	105	144651	2.56	ppb	89
79) tert-Butylbenzene	10.842	119	111167	2.54	ppb	90
80) 1,2,4-Trimethylbenzene	10.906	105	138764	2.47	ppb	# 93
81) sec-Butylbenzene	11.087	105	164548	2.53	ppb	95
82) 1,3-Dichlorobenzene	11.245	146	57344	2.34	ppb	# 87
83) p-Isopropyltoluene	11.248	119	133724	2.46	ppb	94
84) 1,4-Dichlorobenzene	11.348	146	54135	2.21	ppb	# 86
85) 1,2,3-Trimethylbenzene	11.381	105	149980	6.34	ppb	96
86) p-Diethylbenzene	11.685	105	73637	2.37	ppb	# 26
87) 1,2-Dichlorobenzene	11.765	146	53924	2.47	ppb	96
88) n-Butylbenzene	11.721	91	162342	2.41	ppb	# 77
89) 1,2-Dibromo-3-chloropr...	12.703	75	2842m	1.57	ppb	
90) 1,2,4,5-Tetramethylben...	12.572	119	113166	2.24	ppb	96
91) 1,2,4-Trichlorobenzene	13.591	180	27592	1.89	ppb	96
92) Hexachloro-1,3-Butadiene	13.741	225	19600m	2.51	ppb	
93) Naphthalene	13.883	128	42808m	1.97	ppb	
94) 1,2,3-Trichlorobenzene	14.153	180	25057m	2.11	ppb	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\V6092216\
Data File : V6020134.D
Acq On : 22 Sep 2016 5:38 pm
InstName : MSVOA6
Operator : SS
Sample : SEQ-CAL2
Misc : QBV6092216A
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 23 11:53:02 2016
Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 12 10:02:31 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020135.D
 Acq On : 22 Sep 2016 6:18 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL3
 Misc : QBV6092216A
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 23 11:48:45 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.742	70	111701	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	8.775	117	365979	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.746	152	147188	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.450	65	148552	9.40	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	94.00%	
51) Toluene-d8 (SURR)	7.278	98	516129	12.46	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	124.60%	
70) p-Bromofluorobenzene (...)	10.043	95	218934	10.49	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	104.90%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.338	85	84550	2.98	ppb	# 94
3) Chloromethane	1.532	50	68056	3.17	ppb	98
4) Vinyl Chloride	1.627	62	72720	2.78	ppb	98
5) Bromomethane	1.969	94	29588	10.66	ppb	96
6) Chloroethane	2.080	64	44697	2.93	ppb	97
7) Trichlorofluoromethane	2.334	101	127877	3.10	ppb	99
8) Ethanol	2.648	45	5323m	142.19	ppb	
9) Freon-113	2.871	101	74830	2.99	ppb	# 51
10) 1,1-Dichloroethylene	2.882	61	126979	2.99	ppb	# 94
11) Acrolein	2.834	56	4138m	2.77	ppb	
12) Acetone	3.010	43	10506m	3.37	ppb	
13) Iodomethane	3.043	142	25325m	5.88	ppb	
14) Methyl Acetate	3.324	43	17340	2.38	ppb	100
15) Carbon disulfide	3.090	76	223015	2.91	ppb	100
16) tert-Butyl Alcohol (TBA)	3.602	59	2124m	1.76	ppb	
17) Methylene Chloride	3.410	49	99377	3.23	ppb	98
18) Acrylonitrile	3.714	53	7650m	2.58	ppb	
19) trans-1,2-Dichloroethy...	3.664	61	120133	2.94	ppb	98
20) tert-Butyl Methyl Ethe...	3.652	73	176909	2.87	ppb	# 93
21) 1,1-Dichloroethane	4.089	63	147064	2.90	ppb	98
22) Vinyl Acetate	4.148	43	178159m	4.16	ppb	
23) Diisopropyl ether (DIPE)	4.120	45	208556	2.88	ppb	# 88
24) Ethyl-tert-Butyl ether...	4.468	59	233587	2.85	ppb	# 83
25) cis-1,2-Dichloroethylene	4.660	61	134378	2.88	ppb	92
26) 2-Butanone	4.724	72	3434m	2.97	ppb	
27) 2,2-Dichloropropane	4.623	77	140224	3.08	ppb	# 91
28) Tetrahydrofuran	4.957	42	8569m	2.72	ppb	

Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020135.D
 Acq On : 22 Sep 2016 6:18 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL3
 Misc : QBV6092216A
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 23 11:48:45 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Bromochloromethane	4.902	49	47370	2.96	ppb	93
30) Chloroform	4.977	83	150605	2.88	ppb #	98
31) 1,1,1-Trichloroethane	5.105	97	141215	2.90	ppb	99
32) Cyclohexane	5.121	56	126461	2.95	ppb	94
33) 1,1-Dichloropropylene	5.261	75	117760	2.83	ppb #	69
35) Carbon Tetrachloride	5.252	117	123035	3.09	ppb	99
36) tert-Amyl alcohol (TAA)	5.530	59	34249m	27.21	ppb	
37) 1,2-Dichloroethane	5.525	62	93829	2.82	ppb #	86
38) Benzene	5.469	78	304575	2.92	ppb #	83
39) tert-Amyl methyl ether...	5.555	73	210156	2.84	ppb #	92
41) Trichloroethylene	6.090	95	81722	4.33	ppb	85
42) Methyl Cyclohexane	6.229	83	126154	4.44	ppb	92
43) Methyl Methacrylate	6.440	69	24681m	3.89	ppb	
44) Dibromomethane	6.465	93	32911	4.26	ppb	94
45) Bromodichloromethane	6.616	83	107706	4.56	ppb	97
46) 1,2-Dichloropropane	6.332	63	71480	4.41	ppb	94
47) 1,4-Dioxane	6.515	88	1982m	29.10	ppb	
48) 2-Chloroethyl vinyl ether	6.908	63	20946	4.37	ppb	96
49) cis-1,3-Dichloropropene	7.044	75	116083	4.37	ppb	96
50) 4-Methyl-2-Pentanone	7.197	43	45132	3.79	ppb #	72
52) Toluene	7.342	91	320305	4.52	ppb	99
53) trans-1,3-Dichloropropene	7.614	75	96798	4.22	ppb	98
54) 1,1,2-Trichloroethane	7.801	97	44062	4.38	ppb	88
55) 1,3-Dichloropropane	7.968	76	80448	4.32	ppb #	77
56) Tetrachloroethylene	7.887	166	69814	4.19	ppb	97
57) 2-Hexanone	8.115	43	6503m	3.52	ppb	
58) Dibromochloromethane	8.210	129	56065	4.34	ppb	97
59) 1,2-Dibromoethane	8.327	107	39943	4.10	ppb	90
60) Chlorobenzene	8.802	112	188104	4.56	ppb #	86
61) 1,1,1,2-tetrachloroethane	8.894	131	64794	4.42	ppb	92
62) Ethyl Benzene	8.903	91	368018	4.57	ppb	97
63) p- & m-Xylenes	9.019	91	594497	9.38	ppb	96
64) o-Xylene	9.451	91	300650	4.53	ppb	98
65) Styrene	9.478	104	183184	4.36	ppb #	91
66) Bromofrom	9.732	173	27736	4.20	ppb #	87
68) p-Ethyltoluene	10.486	105	295142	5.17	ppb	97
69) Isopropylbenzene	9.843	105	351432	5.23	ppb	95
71) 1,1,2,2-Tetrachloroethane	10.238	83	46300	4.73	ppb #	55
72) Bromobenzene	10.205	77	128988	4.85	ppb	87
73) trans-1,4-Dichloro-2-b...	10.288	75	42260	3.81	ppb #	59
74) 1,2,3-Trichloropropane	10.283	110	13127	4.78	ppb #	9

Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020135.D
 Acq On : 22 Sep 2016 6:18 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL3
 Misc : QBV6092216A
 ALS Vial : 12 Sample Multiplier: 1

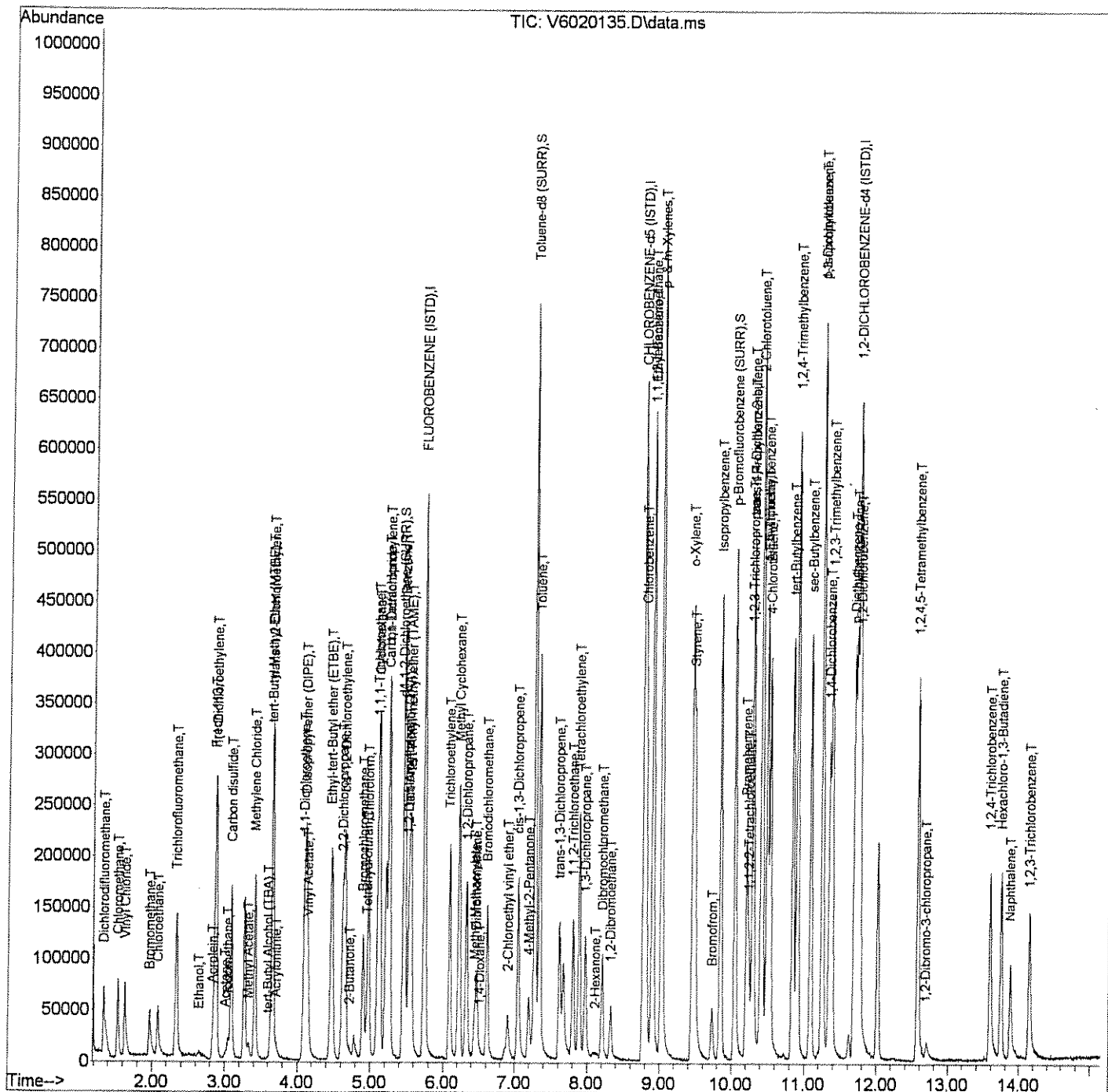
Quant Time: Sep 23 11:48:45 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) n-Propylbenzene	10.294	91	427280	5.24	ppb	94
76) 2-Chlorotoluene	10.405	91	297544	5.05	ppb	98
77) 4-Chlorotoluene	10.527	91	262950	4.91	ppb	98
78) 1,3,5-Trimethylbenzene	10.486	105	295142	5.17	ppb	92
79) tert-Butylbenzene	10.845	119	230654	5.23	ppb	87
80) 1,2,4-Trimethylbenzene	10.906	105	295945	5.21	ppb	# 91
81) sec-Butylbenzene	11.087	105	342836	5.21	ppb	95
82) 1,3-Dichlorobenzene	11.245	146	127084	5.13	ppb	# 89
83) p-Isopropyltoluene	11.245	119	289621	5.28	ppb	93
84) 1,4-Dichlorobenzene	11.345	146	122164	4.93	ppb	# 89
85) 1,2,3-Trimethylbenzene	11.382	105	299250	12.53	ppb	97
86) p-Diethylbenzene	11.679	105	156194	4.97	ppb	# 29
87) 1,2-Dichlorobenzene	11.768	146	112579m	5.11	ppb	
88) n-Butylbenzene	11.710	91	338364	4.98	ppb	# 85
89) 1,2-Dibromo-3-chloropr...	12.686	75	2651	1.45	ppb	97
90) 1,2,4,5-Tetramethylben...	12.570	119	242066	4.74	ppb	96
91) 1,2,4-Trichlorobenzene	13.585	180	64896	4.40	ppb	# 89
92) Hexachloro-1,3-Butadiene	13.741	225	39138	4.97	ppb	96
93) Naphthalene	13.872	128	90145	4.12	ppb	# 89
94) 1,2,3-Trichlorobenzene	14.150	180	49800	4.16	ppb	# 90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\V6092216\
Data File : V6020135.D
Acq On : 22 Sep 2016 6:18 pm
InstName : MSVOA6
Operator : SS
Sample : SEQ-CAL3
Misc : QBV6092216A
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 23 11:48:45 2016
Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 12 10:02:31 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020136.D
 Acq On : 22 Sep 2016 6:58 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL4
 Misc : QBV6092216A
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 23 11:33:32 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.739	70	109963	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	8.775	117	361478	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.740	152	143653	10.00	ppb	-0.01
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.450	65	141362	9.09	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	90.90%	
51) Toluene-d8 (SURR)	7.275	98	521759	12.76	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	127.60%	
70) p-Bromofluorobenzene (...)	10.043	95	211580	10.39	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	103.90%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.338	85	205207	7.36	ppb	# 95
3) Chloromethane	1.530	50	170612	8.06	ppb	97
4) Vinyl Chloride	1.624	62	179495	6.98	ppb	98
5) Bromomethane	1.969	94	81258m	19.77	ppb	
6) Chloroethane	2.080	64	107651	7.16	ppb	99
7) Trichlorofluoromethane	2.336	101	308375	7.60	ppb	99
8) Ethanol	2.645	45	11061m	300.13	ppb	
9) Freon-113	2.862	101	179049	7.26	ppb	# 67
10) 1,1-Dichloroethylene	2.879	61	307171	7.34	ppb	# 94
11) Acrolein	2.832	56	9127m	6.20	ppb	
12) Acetone	3.004	43	25194m	8.21	ppb	
13) Iodomethane	3.046	142	88037	12.78	ppb	98
14) Methyl Acetate	3.321	43	47636	6.64	ppb	99
15) Carbon disulfide	3.090	76	541679	7.17	ppb	100
16) tert-Butyl Alcohol (TBA)	3.597	59	7160m	6.01	ppb	
17) Methylene Chloride	3.413	49	223996	7.40	ppb	98
18) Acrylonitrile	3.708	53	20080m	6.89	ppb	
19) trans-1,2-Dichloroethy...	3.664	61	292404	7.26	ppb	97
20) tert-Butyl Methyl Ethe...	3.650	73	427886	7.04	ppb	# 89
21) 1,1-Dichloroethane	4.089	63	354819	7.10	ppb	# 88
22) Vinyl Acetate	4.145	43	430465m	10.21	ppb	
23) Diisopropyl ether (DIPE)	4.117	45	501602	7.04	ppb	100
24) Ethyl-tert-Butyl ether...	4.468	59	559744	6.94	ppb	99
25) cis-1,2-Dichloroethylene	4.660	61	331852	7.22	ppb	# 81
26) 2-Butanone	4.707	72	9248m	8.11	ppb	
27) 2,2-Dichloropropane	4.629	77	342051	7.63	ppb	# 92
28) Tetrahydrofuran	4.946	42	10608	3.42	ppb	81

Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020136.D
 Acq On : 22 Sep 2016 6:58 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL4
 Misc : QBV6092216A
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 23 11:33:32 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Bromochloromethane	4.896	49	112292	7.13	ppb	# 67
30) Chloroform	4.971	83	366510	7.11	ppb	# 98
31) 1,1,1-Trichloroethane	5.102	97	350662	7.32	ppb	98
32) Cyclohexane	5.124	56	308458	7.31	ppb	95
33) 1,1-Dichloropropylene	5.263	75	289721	7.07	ppb	# 73
35) Carbon Tetrachloride	5.247	117	293290	7.47	ppb	99
36) tert-Amyl alcohol (TAA)	5.525	59	80403m	64.89	ppb	
37) 1,2-Dichloroethane	5.525	62	221888	6.77	ppb	# 98
38) Benzene	5.466	78	724526	7.04	ppb	# 92
39) tert-Amyl methyl ether...	5.550	73	499251	6.86	ppb	96
41) Trichloroethylene	6.087	95	202382	10.86	ppb	87
42) Methyl Cyclohexane	6.226	83	308786	11.00	ppb	94
43) Methyl Methacrylate	6.432	69	59673	9.53	ppb	# 69
44) Dibromomethane	6.463	93	80881	10.61	ppb	95
45) Bromodichloromethane	6.613	83	258327	11.07	ppb	# 94
46) 1,2-Dichloropropane	6.326	63	173266	10.82	ppb	97
47) 1,4-Dioxane	6.490	88	6735m	100.13	ppb	
48) 2-Chloroethyl vinyl ether	6.897	63	57420	12.13	ppb	97
49) cis-1,3-Dichloropropene	7.044	75	297688	11.34	ppb	97
50) 4-Methyl-2-Pentanone	7.189	43	124098	10.55	ppb	96
52) Toluene	7.345	91	774307	11.06	ppb	99
53) trans-1,3-Dichloropropene	7.612	75	248981	10.98	ppb	# 88
54) 1,1,2-Trichloroethane	7.798	97	107723	10.83	ppb	91
55) 1,3-Dichloropropane	7.968	76	202726	11.02	ppb	# 77
56) Tetrachloroethylene	7.887	166	174583	10.62	ppb	# 70
57) 2-Hexanone	8.054	43	42759m	11.19	ppb	
58) Dibromochloromethane	8.207	129	138808	10.89	ppb	97
59) 1,2-Dibromoethane	8.318	107	99607	10.36	ppb	88
60) Chlorobenzene	8.808	112	455832	11.18	ppb	# 88
61) 1,1,1,2-tetrachloroethane	8.900	131	163746	11.31	ppb	96
62) Ethyl Benzene	8.900	91	904478	11.37	ppb	96
63) p- & m-Xylenes	9.022	91	1449840	23.16	ppb	97
64) o-Xylene	9.451	91	745623	11.38	ppb	98
65) Styrene	9.478	104	467017	11.26	ppb	# 91
66) Bromofrom	9.726	173	69888	10.72	ppb	97
68) p-Ethyltoluene	10.483	105	710043	12.74	ppb	98
69) Isopropylbenzene	9.840	105	856784	13.06	ppb	95
71) 1,1,2,2-Tetrachloroethane	10.235	83	118019	12.35	ppb	# 76
72) Bromobenzene	10.205	77	313964	12.09	ppb	87
73) trans-1,4-Dichloro-2-b...	10.280	75	130450	12.04	ppb	# 78
74) 1,2,3-Trichloropropane	10.280	110	32792	12.24	ppb	# 1

Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020136.D
 Acq On : 22 Sep 2016 6:58 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL4
 Misc : QBV6092216A
 ALS Vial : 13 Sample Multiplier: 1

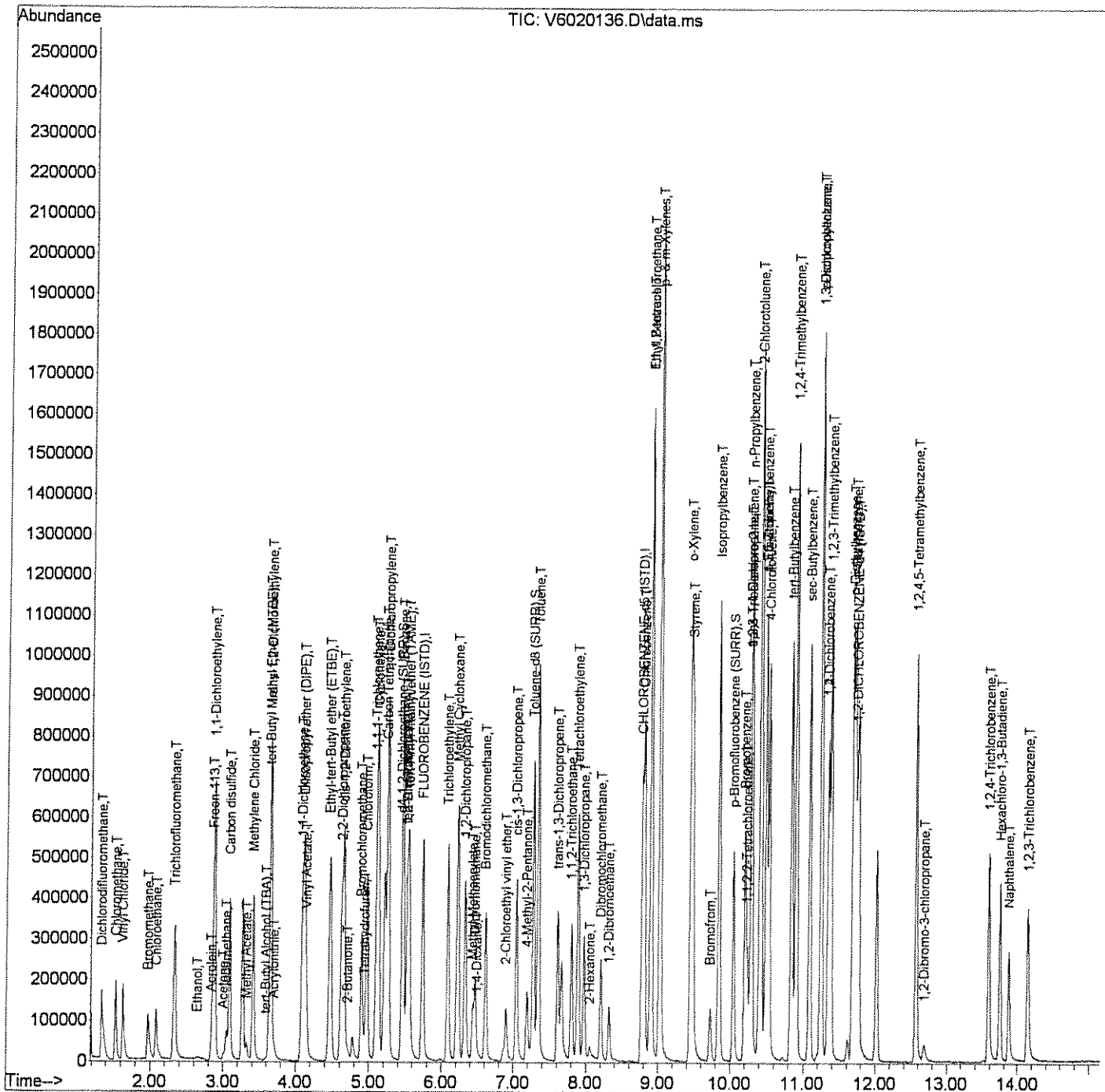
Quant Time: Sep 23 11:33:32 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) n-Propylbenzene	10.291	91	1052510	13.22	ppb	95
76) 2-Chlorotoluene	10.405	91	729681	12.70	ppb	99
77) 4-Chlorotoluene	10.527	91	670122	12.82	ppb	97
78) 1,3,5-Trimethylbenzene	10.483	105	710043	12.74	ppb	# 93
79) tert-Butylbenzene	10.842	119	570805	13.26	ppb	90
80) 1,2,4-Trimethylbenzene	10.903	105	717801	12.95	ppb	# 90
81) sec-Butylbenzene	11.081	105	847454	13.21	ppb	95
82) 1,3-Dichlorobenzene	11.242	146	309959	12.83	ppb	# 88
83) p-Isopropyltoluene	11.245	119	703496	13.13	ppb	94
84) 1,4-Dichlorobenzene	11.343	146	306928	12.69	ppb	# 87
85) 1,2,3-Trimethylbenzene	11.379	105	728813	31.28	ppb	96
86) p-Diethylbenzene	11.679	105	393144	12.83	ppb	# 30
87) 1,2-Dichlorobenzene	11.343	146	304249	14.16	ppb	97
88) n-Butylbenzene	11.710	91	858007	12.95	ppb	86
89) 1,2-Dibromo-3-chloropr...	12.686	75	19077	10.67	ppb	# 90
90) 1,2,4,5-Tetramethylben...	12.567	119	626297	12.58	ppb	95
91) 1,2,4-Trichlorobenzene	13.582	180	168493	11.71	ppb	# 92
92) Hexachloro-1,3-Butadiene	13.741	225	96460	12.56	ppb	# 81
93) Naphthalene	13.866	128	235931	11.04	ppb	95
94) 1,2,3-Trichlorobenzene	14.147	180	132882	11.38	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\V6092216\
Data File : V6020136.D
Acq On : 22 Sep 2016 6:58 pm
InstName : MSVOA6
Operator : SS
Sample : SEQ-CAL4
Misc : QBV6092216A
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 23 11:33:32 2016
Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 12 10:02:31 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020137.D
 Acq On : 22 Sep 2016 7:37 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL5
 Misc : QBV6092216A
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 11:33:04 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.736	70	111990	10.00	ppb	-0.01
40) CHLOROBENZENE-d5 (ISTD)	8.775	117	373104	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.743	152	149602	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.450	65	146947	9.27	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	92.70%	
51) Toluene-d8 (SURR)	7.278	98	530408	12.56	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	125.60%	
70) p-Bromofluorobenzene (...)	10.040	95	220251	10.38	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	103.80%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.335	85	402958	14.18	ppb	100
3) Chloromethane	1.532	50	341284	15.83	ppb	96
4) Vinyl Chloride	1.624	62	361405	13.79	ppb	98
5) Bromomethane	1.975	94	183361	34.33	ppb	96
6) Chloroethane	2.078	64	214658	14.02	ppb	98
7) Trichlorofluoromethane	2.331	101	597269	14.45	ppb	99
8) Ethanol	2.648	45	17268m	460.07	ppb	
9) Freon-113	2.865	101	371854	14.81	ppb	93
10) 1,1-Dichloroethylene	2.876	61	636369	14.92	ppb	# 94
11) Acrolein	2.837	56	18046	12.03	ppb	91
12) Acetone	3.004	43	45439	14.53	ppb	99
13) Iodomethane	3.049	142	235650	28.21	ppb	96
14) Methyl Acetate	3.319	43	101449	13.88	ppb	99
15) Carbon disulfide	3.088	76	1119718	14.55	ppb	100
16) tert-Butyl Alcohol (TBA)	3.591	59	12990m	10.71	ppb	
17) Methylene Chloride	3.413	49	458485	14.87	ppb	98
18) Acrylonitrile	3.705	53	38311	12.91	ppb	# 63
19) trans-1,2-Dichloroethy...	3.661	61	616676	15.04	ppb	97
20) tert-Butyl Methyl Ethe...	3.652	73	916057	14.81	ppb	# 93
21) 1,1-Dichloroethane	4.086	63	756049	14.86	ppb	99
22) Vinyl Acetate	4.142	43	923740m	21.52	ppb	
23) Diisopropyl ether (DIPE)	4.120	45	1071808	14.78	ppb	100
24) Ethyl-tert-Butyl ether...	4.468	59	1199015	14.60	ppb	99
25) cis-1,2-Dichloroethylene	4.657	61	709248	15.15	ppb	92
26) 2-Butanone	4.710	72	19696m	16.96	ppb	
27) 2,2-Dichloropropane	4.629	77	704126	15.42	ppb	# 87
28) Tetrahydrofuran	4.943	42	41059	13.00	ppb	83

Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020137.D
 Acq On : 22 Sep 2016 7:37 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL5
 Misc : QBV6092216A
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 11:33:04 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Bromochloromethane	4.899	49	234105	14.60	ppb	95
30) Chloroform	4.974	83	783083	14.92	ppb #	98
31) 1,1,1-Trichloroethane	5.102	97	723093	14.82	ppb #	73
32) Cyclohexane	5.121	56	649537	15.11	ppb	93
33) 1,1-Dichloropropylene	5.263	75	610658	14.64	ppb #	73
35) Carbon Tetrachloride	5.252	117	625519	15.65	ppb #	92
36) tert-Amyl alcohol (TAA)	5.528	59	163836	129.82	ppb #	53
37) 1,2-Dichloroethane	5.522	62	496498	14.87	ppb	99
38) Benzene	5.466	78	1542410	14.72	ppb #	95
39) tert-Amyl methyl ether...	5.553	73	1086040	14.65	ppb #	88
41) Trichloroethylene	6.087	95	432544	22.49	ppb	86
42) Methyl Cyclohexane	6.223	83	664780	22.95	ppb	94
43) Methyl Methacrylate	6.429	69	140135	21.67	ppb #	69
44) Dibromomethane	6.462	93	175893	22.36	ppb	95
45) Bromodichloromethane	6.610	83	557450	23.15	ppb	97
46) 1,2-Dichloropropane	6.326	63	379317	22.95	ppb #	89
47) 1,4-Dioxane	6.485	88	11159m	160.74	ppb	
48) 2-Chloroethyl vinyl ether	6.897	63	132250	27.06	ppb	98
49) cis-1,3-Dichloropropene	7.041	75	648017	23.92	ppb	96
50) 4-Methyl-2-Pentanone	7.186	43	285432	23.52	ppb #	90
52) Toluene	7.342	91	1633593	22.60	ppb	98
53) trans-1,3-Dichloropropene	7.609	75	557091	23.81	ppb	98
54) 1,1,2-Trichloroethane	7.801	97	233734	22.77	ppb	90
55) 1,3-Dichloropropane	7.968	76	439647	23.15	ppb	99
56) Tetrachloroethylene	7.890	166	369436	21.77	ppb #	71
57) 2-Hexanone	8.043	43	106255m	23.67	ppb	
58) Dibromochloromethane	8.204	129	302236	22.97	ppb	98
59) 1,2-Dibromoethane	8.318	107	224992	22.67	ppb	94
60) Chlorobenzene	8.802	112	966240	22.97	ppb #	90
61) 1,1,1,2-tetrachloroethane	8.894	131	345570	23.13	ppb	93
62) Ethyl Benzene	8.897	91	1907133	23.23	ppb	96
63) p- & m-Xylenes	9.022	91	3042179	47.08	ppb	97
64) o-Xylene	9.451	91	1559211	23.06	ppb	98
65) Styrene	9.478	104	1012764	23.66	ppb #	77
66) Bromofrom	9.720	173	151170	22.46	ppb	98
68) p-Ethyltoluene	10.486	105	1512888	26.06	ppb	98
69) Isopropylbenzene	9.840	105	1782517	26.08	ppb	95
71) 1,1,2,2-Tetrachloroethane	10.241	83	247544	24.87	ppb #	75
72) Bromobenzene	10.205	77	670861	24.81	ppb	87
73) trans-1,4-Dichloro-2-b...	10.285	75	280596	24.87	ppb #	75
74) 1,2,3-Trichloropropane	10.277	110	70468	25.26	ppb #	1

Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020137.D
 Acq On : 22 Sep 2016 7:37 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL5
 Misc : QBV6092216A
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 11:33:04 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) n-Propylbenzene	10.291	91	2169028	26.16	ppb	95
76) 2-Chlorotoluene	10.405	91	1530437	25.57	ppb	98
77) 4-Chlorotoluene	10.525	91	1412663	25.95	ppb	97
78) 1,3,5-Trimethylbenzene	10.486	105	1512888	26.06	ppb	92
79) tert-Butylbenzene	10.842	119	1171038	26.12	ppb	89
80) 1,2,4-Trimethylbenzene	10.903	105	1513255	26.22	ppb	# 89
81) sec-Butylbenzene	11.084	105	1750493	26.20	ppb	95
82) 1,3-Dichlorobenzene	11.240	146	662111	26.31	ppb	# 89
83) p-Isopropyltoluene	11.248	119	1484123	26.60	ppb	94
84) 1,4-Dichlorobenzene	11.343	146	656312	26.06	ppb	# 88
85) 1,2,3-Trimethylbenzene	11.379	105	1541241	63.52	ppb	96
86) p-Diethylbenzene	11.682	105	834736	26.15	ppb	# 32
87) 1,2-Dichlorobenzene	11.765	146	566394	25.31	ppb	# 72
88) n-Butylbenzene	11.710	91	1798973	26.06	ppb	86
89) 1,2-Dibromo-3-chloropr...	12.672	75	42379	22.77	ppb	96
90) 1,2,4,5-Tetramethylben...	12.567	119	1384743	26.70	ppb	95
91) 1,2,4-Trichlorobenzene	13.577	180	378886	25.29	ppb	# 94
92) Hexachloro-1,3-Butadiene	13.735	225	204577	25.57	ppb	97
93) Naphthalene	13.866	128	558472	25.10	ppb	95
94) 1,2,3-Trichlorobenzene	14.139	180	290954	23.93	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\V6092216\
Data File : V6020137.D
Acq On : 22 Sep 2016 7:37 pm
InstName : MSVOA6
Operator : SS
Sample : SEQ-CAL5
Misc : QBV6092216A
ALS Vial : 14 Sample Multiplier: 1

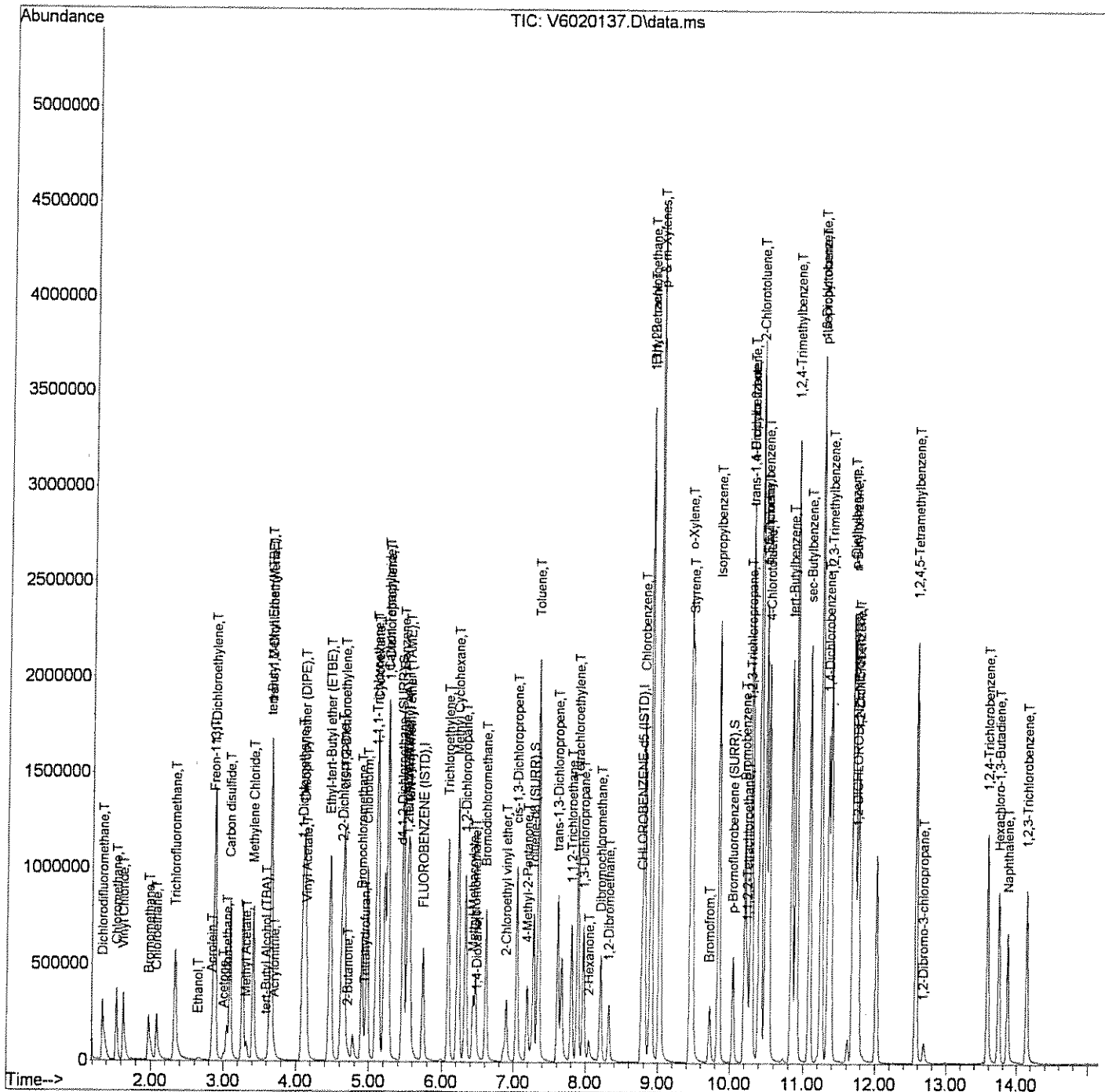
Quant Time: Sep 23 11:33:04 2016

Quant Method : C:\msdchem\1\METHODS\V6LO0098.M

Quant Title : Volatile Organics EPA 8260C

QLast Update : Mon Sep 12 10:02:31 2016

Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020138.D
 Acq On : 22 Sep 2016 8:17 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL6
 Misc : QBV6092216A
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 23 11:22:24 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.742	70	91270	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.772	117	301094	10.00	ppb	-0.01
67) 1,2-DICHLOROBENZENE-d4...	11.746	152	121399	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.450	65	121493	9.41	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.10%		
51) Toluene-d8 (SURR)	7.278	98	429378	12.60	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	126.00%		
70) p-Bromofluorobenzene (...)	10.043	95	179341	10.42	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.20%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.338	85	860119	37.15	ppb	99
3) Chloromethane	1.530	50	747705	42.56	ppb	96
4) Vinyl Chloride	1.624	62	772187	36.16	ppb	98
5) Bromomethane	1.972	94	425187	70.93	ppb	97
6) Chloroethane	2.081	64	467591	37.47	ppb	98
7) Trichlorofluoromethane	2.337	101	1286785	38.20	ppb	99
8) Ethanol	2.648	45	43546m	1423.58	ppb	
9) Freon-113	2.862	101	759214	37.11	ppb	93
10) 1,1-Dichloroethylene	2.879	61	1294486	37.25	ppb	# 93
11) Acrolein	2.832	56	37123	30.38	ppb	92
12) Acetone	3.002	43	99920	39.21	ppb	99
13) Iodomethane	3.046	142	527618	70.07	ppb	96
14) Methyl Acetate	3.319	43	216417	36.33	ppb	99
15) Carbon disulfide	3.091	76	2258212	36.01	ppb	100
16) tert-Butyl Alcohol (TBA)	3.586	59	30158	30.50	ppb	# 97
17) Methylene Chloride	3.410	49	911593	36.28	ppb	99
18) Acrylonitrile	3.700	53	97245m	40.21	ppb	
19) trans-1,2-Dichloroethy...	3.658	61	1246773	37.30	ppb	98
20) tert-Butyl Methyl Ethe...	3.650	73	1860374	36.89	ppb	99
21) 1,1-Dichloroethane	4.089	63	1528840	36.86	ppb	# 88
22) Vinyl Acetate	4.139	43	1856867m	53.08	ppb	
23) Diisopropyl ether (DIPE)	4.114	45	2179034	36.87	ppb	100
24) Ethyl-tert-Butyl ether...	4.468	59	2477186	37.01	ppb	99
25) cis-1,2-Dichloroethylene	4.657	61	1434862	37.60	ppb	92
26) 2-Butanone	4.704	72	38695m	40.90	ppb	
27) 2,2-Dichloropropane	4.626	77	1426176	38.31	ppb	# 83
28) Tetrahydrofuran	4.932	42	89748	34.86	ppb	96

Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020138.D
 Acq On : 22 Sep 2016 8:17 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL6
 Misc : QBV6092216A
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 23 11:22:24 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Bromochloromethane	4.896	49	473259	36.21	ppb	94
30) Chloroform	4.971	83	1590338	37.18	ppb #	98
31) 1,1,1-Trichloroethane	5.105	97	1478808	37.20	ppb #	73
32) Cyclohexane	5.124	56	1319735	37.67	ppb	94
33) 1,1-Dichloropropylene	5.258	75	1289978	37.93	ppb	76
35) Carbon Tetrachloride	5.250	117	1275142	39.15	ppb	100
36) tert-Amyl alcohol (TAA)	5.528	59	362069	352.04	ppb #	53
37) 1,2-Dichloroethane	5.522	62	1014680	37.28	ppb #	86
38) Benzene	5.464	78	3137440	36.75	ppb #	97
39) tert-Amyl methyl ether...	5.550	73	2216356	36.69	ppb	97
41) Trichloroethylene	6.087	95	896319	57.75	ppb	86
42) Methyl Cyclohexane	6.226	83	1354564	57.95	ppb	95
43) Methyl Methacrylate	6.426	69	306323	58.70	ppb #	57
44) Dibromomethane	6.460	93	366691	57.75	ppb	95
45) Bromodichloromethane	6.610	83	1154763	59.42	ppb	96
46) 1,2-Dichloropropane	6.324	63	772610	57.92	ppb	98
47) 1,4-Dioxane	6.485	88	39709m	708.77	ppb	
48) 2-Chloroethyl vinyl ether	6.894	63	289998	73.54	ppb	97
49) cis-1,3-Dichloropropene	7.036	75	1330224	60.85	ppb	96
50) 4-Methyl-2-Pentanone	7.186	43	609256	62.20	ppb	94
52) Toluene	7.342	91	3318002	56.88	ppb	99
53) trans-1,3-Dichloropropene	7.606	75	1153854	61.11	ppb	98
54) 1,1,2-Trichloroethane	7.798	97	471701	56.95	ppb	89
55) 1,3-Dichloropropane	7.965	76	904443	59.02	ppb #	89
56) Tetrachloroethylene	7.887	166	904353	66.04	ppb #	71
57) 2-Hexanone	8.037	43	212432	54.03	ppb #	97
58) Dibromochloromethane	8.202	129	634851	59.79	ppb	98
59) 1,2-Dibromoethane	8.316	107	464346	57.97	ppb	92
60) Chlorobenzene	8.802	112	1948018	57.38	ppb	90
61) 1,1,1,2-tetrachloroethane	8.894	131	702440	58.27	ppb	94
62) Ethyl Benzene	8.897	91	3821887	57.67	ppb	97
63) p- & m-Xylenes	9.020	91	6064580	116.31	ppb	97
64) o-Xylene	9.451	91	3107019	56.94	ppb	98
65) Styrene	9.476	104	2024034	58.60	ppb #	77
66) Bromofrom	9.721	173	316556	58.29	ppb	98
68) p-Ethyltoluene	10.900	105	2993751	63.54	ppb	97
69) Isopropylbenzene	9.840	105	3539465	63.82	ppb	96
71) 1,1,2,2-Tetrachloroethane	10.238	83	494755	61.26	ppb #	76
72) Bromobenzene	10.205	77	1362795	62.10	ppb	86
73) trans-1,4-Dichloro-2-b...	10.285	75	602290	65.79	ppb #	78
74) 1,2,3-Trichloropropane	10.280	110	144854	63.99	ppb #	1

Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020138.D
 Acq On : 22 Sep 2016 8:17 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL6
 Misc : QBV6092216A
 ALS Vial : 15 Sample Multiplier: 1

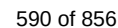
Quant Time: Sep 23 11:22:24 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) n-Propylbenzene	10.291	91	4300641	63.91	ppb	95
76) 2-Chlorotoluene	10.405	91	3023043	62.24	ppb	98
77) 4-Chlorotoluene	10.525	91	2832489	64.12	ppb	97
78) 1,3,5-Trimethylbenzene	10.483	105	2972223	63.09	ppb	93
79) tert-Butylbenzene	10.842	119	2332518	64.12	ppb	89
80) 1,2,4-Trimethylbenzene	10.900	105	2994114	63.92	ppb	# 89
81) sec-Butylbenzene	11.084	105	3445966	63.55	ppb	95
82) 1,3-Dichlorobenzene	11.240	146	1326245	64.95	ppb	# 89
83) p-Isopropyltoluene	11.248	119	2912518	64.32	ppb	95
84) 1,4-Dichlorobenzene	11.340	146	1302830	63.74	ppb	# 87
85) 1,2,3-Trimethylbenzene	11.379	105	3044067	154.60	ppb	96
86) p-Diethylbenzene	11.679	105	1659701	64.08	ppb	# 33
87) 1,2-Dichlorobenzene	11.763	146	1120223	61.70	ppb	# 86
88) n-Butylbenzene	11.710	91	3508369	62.64	ppb	87
89) 1,2-Dibromo-3-chloropr...	12.675	75	92860	61.47	ppb	97
90) 1,2,4,5-Tetramethylben...	12.567	119	2723313	64.72	ppb	95
91) 1,2,4-Trichlorobenzene	13.577	180	766405	63.03	ppb	# 95
92) Hexachloro-1,3-Butadiene	13.738	225	395403	60.90	ppb	97
93) Naphthalene	13.861	128	1146053	63.47	ppb	95
94) 1,2,3-Trichlorobenzene	14.142	180	587243	59.51	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Quant Time: Sep 23 11:22:24 2016
Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 12 10:02:31 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020139.D
 Acq On : 22 Sep 2016 8:56 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL7
 Misc : QBV6092216A
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 23 11:25:04 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.742	70	121803	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.774	117	386077	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.743	152	156510	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.450	65	156277	9.07	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	90.70%	
51) Toluene-d8 (SURR)	7.275	98	556766	12.75	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	127.50%	
70) p-Bromofluorobenzene (...)	10.040	95	228198	10.28	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	102.80%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.335	85	1300743	42.10	ppb	99
3) Chloromethane	1.530	50	1596051	68.08	ppb	96
4) Vinyl Chloride	1.624	62	1432032	50.24	ppb	98
5) Bromomethane	1.972	94	966043	100.78	ppb	97
6) Chloroethane	2.078	64	909554	54.62	ppb	99
7) Trichlorofluoromethane	2.336	101	2162202	48.10	ppb	99
8) Ethanol	2.645	45	102805m	2518.35	ppb	
9) Freon-113	2.865	101	1234758	45.23	ppb	# 77
10) 1,1-Dichloroethylene	2.879	61	2378464	51.28	ppb	# 93
11) Acrolein	2.829	56	94442	57.91	ppb	92
12) Acetone	3.001	43	205326	60.38	ppb	100
13) Iodomethane	3.046	142	1072726	102.89	ppb	96
14) Methyl Acetate	3.316	43	489710	61.60	ppb	100
15) Carbon disulfide	3.090	76	4285872	51.21	ppb	100
16) tert-Butyl Alcohol (TBA)	3.580	59	67507	51.16	ppb	# 97
17) Methylene Chloride	3.410	49	1953564	58.27	ppb	99
18) Acrylonitrile	3.700	53	210832	65.32	ppb	95
19) trans-1,2-Dichloroethy...	3.658	61	2497088	55.99	ppb	98
20) tert-Butyl Methyl Ethe...	3.650	73	4166472	61.92	ppb	99
21) 1,1-Dichloroethane	4.086	63	3209021	57.97	ppb	# 96
22) Vinyl Acetate	4.134	43	4157899m	89.06	ppb	
23) Diisopropyl ether (DIPE)	4.114	45	4671871	59.23	ppb	99
24) Ethyl-tert-Butyl ether...	4.465	59	5427590	60.77	ppb	# 90
25) cis-1,2-Dichloroethylene	4.654	61	3030244	59.50	ppb	93
26) 2-Butanone	4.696	72	96612m	76.51	ppb	
27) 2,2-Dichloropropane	4.626	77	2734830	55.05	ppb	# 83
28) Tetrahydrofuran	4.935	42	208609	60.72	ppb	85

Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020139.D
 Acq On : 22 Sep 2016 8:56 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL7
 Misc : QBV6092216A
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 23 11:25:04 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Bromochloromethane	4.896	49	1019723	58.46	ppb	# 77
30) Chloroform	4.971	83	3383984	59.28	ppb	# 96
31) 1,1,1-Trichloroethane	5.105	97	2830197	53.34	ppb	# 73
32) Cyclohexane	5.124	56	2137910	45.73	ppb	95
33) 1,1-Dichloropropylene	5.261	75	2385327	52.56	ppb	# 77
35) Carbon Tetrachloride	5.252	117	2320743	53.39	ppb	# 92
36) tert-Amyl alcohol (TAA)	5.525	59	853192	621.61	ppb	# 53
37) 1,2-Dichloroethane	5.522	62	2247742	61.89	ppb	99
38) Benzene	5.466	78	6518281	57.21	ppb	# 96
39) tert-Amyl methyl ether...	5.550	73	5044765	62.57	ppb	# 92
41) Trichloroethylene	6.087	95	1799000	90.39	ppb	86
42) Methyl Cyclohexane	6.226	83	2204177	73.54	ppb	95
43) Methyl Methacrylate	6.423	69	707889	105.80	ppb	# 69
44) Dibromomethane	6.460	93	816415	100.28	ppb	95
45) Bromodichloromethane	6.613	83	2515151	100.94	ppb	96
46) 1,2-Dichloropropane	6.323	63	1695932	99.15	ppb	98
47) 1,4-Dioxane	6.482	88	95910m	1335.08	ppb	
48) 2-Chloroethyl vinyl ether	6.894	63	660290	130.58	ppb	98
49) cis-1,3-Dichloropropene	7.038	75	2915055	103.99	ppb	97
50) 4-Methyl-2-Pentanone	7.183	43	1418957	112.98	ppb	95
52) Toluene	7.342	91	6738436	90.10	ppb	99
53) trans-1,3-Dichloropropene	7.606	75	2553492	105.46	ppb	98
54) 1,1,2-Trichloroethane	7.798	97	1048190	98.70	ppb	90
55) 1,3-Dichloropropane	7.965	76	1968855	100.19	ppb	# 88
56) Tetrachloroethylene	7.887	166	1456860	82.97	ppb	96
57) 2-Hexanone	8.032	43	489654	92.37	ppb	# 96
58) Dibromochloromethane	8.204	129	1391339	102.20	ppb	97
59) 1,2-Dibromoethane	8.315	107	1026564	99.95	ppb	91
60) Chlorobenzene	8.802	112	4096020	94.09	ppb	91
61) 1,1,1,2-tetrachloroethane	8.897	131	1481157	95.82	ppb	93
62) Ethyl Benzene	8.900	91	7424950	87.38	ppb	98
63) p- & m-Xylenes	9.022	91	11567371	173.01	ppb	99
64) o-Xylene	9.453	91	6281868	89.78	ppb	98
65) Styrene	9.476	104	4267261	96.35	ppb	# 77
66) Bromofrom	9.720	173	703496	101.03	ppb	# 78
68) p-Ethyltoluene	10.486	105	5705595	93.94	ppb	# 79
69) Isopropylbenzene	9.840	105	6573252	91.94	ppb	95
71) 1,1,2,2-Tetrachloroethane	10.238	83	1117248	107.29	ppb	# 75
72) Bromobenzene	10.202	77	2894543	102.31	ppb	87
73) trans-1,4-Dichloro-2-b...	10.285	75	1369130	116.01	ppb	# 86
74) 1,2,3-Trichloropropane	10.280	110	319885	109.60	ppb	# 4

Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020139.D
 Acq On : 22 Sep 2016 8:56 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL7
 Misc : QBV6092216A
 ALS Vial : 16 Sample Multiplier: 1

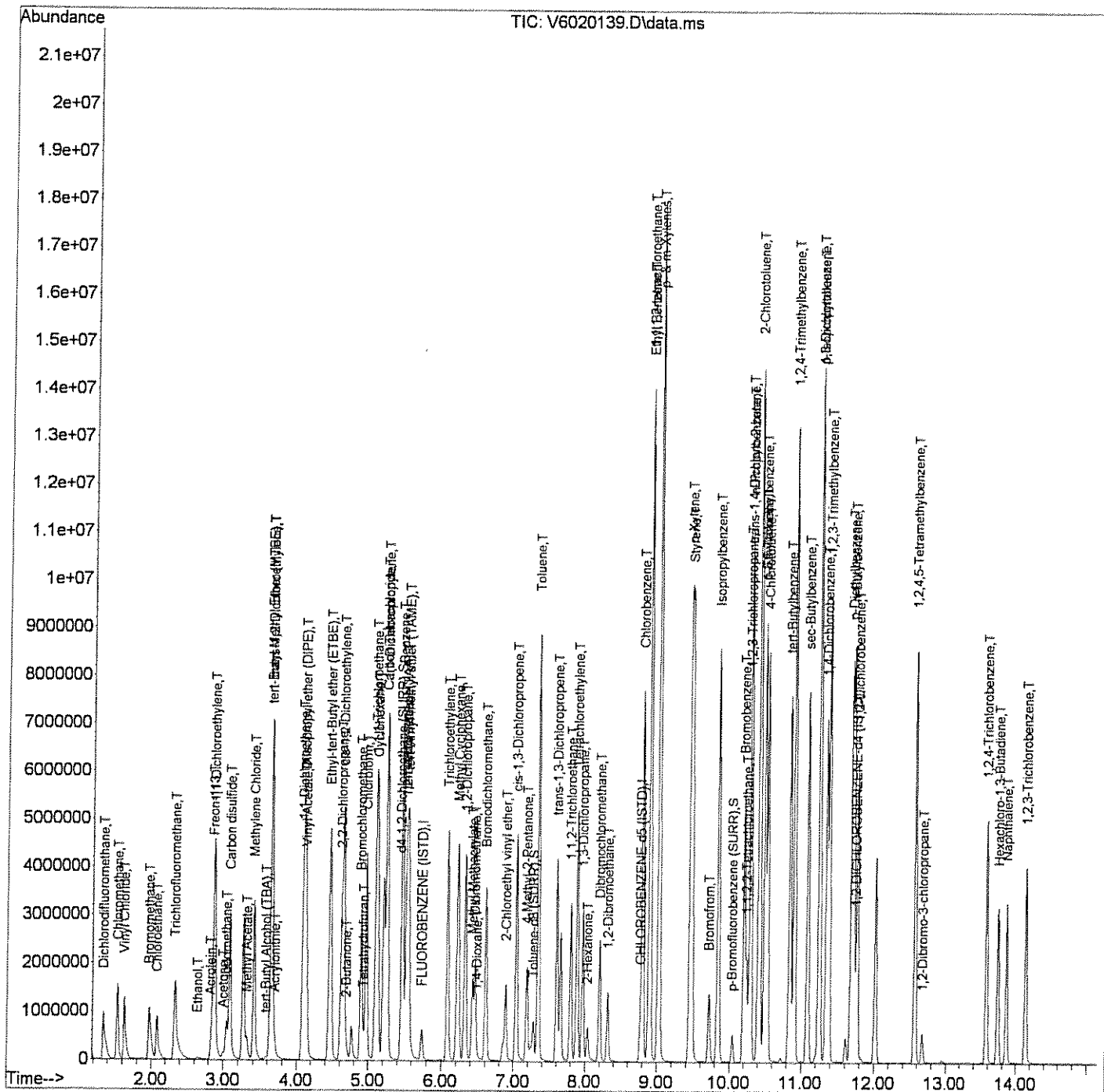
Quant Time: Sep 23 11:25:04 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) n-Propylbenzene	10.294	91	7924875	91.36	ppb	96
76) 2-Chlorotoluene	10.408	91	5996031	95.75	ppb	99
77) 4-Chlorotoluene	10.527	91	5705714	100.19	ppb	97
78) 1,3,5-Trimethylbenzene	10.486	105	5705595	93.94	ppb #	93
79) tert-Butylbenzene	10.842	119	4290986	91.49	ppb	90
80) 1,2,4-Trimethylbenzene	10.903	105	5927666	98.16	ppb #	87
81) sec-Butylbenzene	11.084	105	6211574	88.85	ppb	95
82) 1,3-Dichlorobenzene	11.240	146	2758059	104.77	ppb #	89
83) p-Isopropyltoluene	11.248	119	5396531	92.44	ppb	95
84) 1,4-Dichlorobenzene	11.340	146	2750106	104.36	ppb #	87
85) 1,2,3-Trimethylbenzene	11.379	105	6178900	243.41	ppb	95
86) p-Diethylbenzene	11.682	105	3084130	92.37	ppb #	35
87) 1,2-Dichlorobenzene	11.765	146	2408142m	102.88	ppb	
88) n-Butylbenzene	11.710	91	6396431	88.58	ppb	88
89) 1,2-Dibromo-3-chloropr...	12.675	75	219659	112.79	ppb	96
90) 1,2,4,5-Tetramethylben...	12.567	119	5395287	99.45	ppb	96
91) 1,2,4-Trichlorobenzene	13.577	180	1627661	103.84	ppb #	94
92) Hexachloro-1,3-Butadiene	13.741	225	716573	85.61	ppb	98
93) Naphthalene	13.860	128	2618098	112.46	ppb	95
94) 1,2,3-Trichlorobenzene	14.139	180	1278234	100.47	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\V6092216\
Data File : V6020139.D
Acq On : 22 Sep 2016 8:56 pm
InstName : MSVOA6
Operator : SS
Sample : SEQ-CAL7
Misc : QBV6092216A
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 23 11:25:04 2016
Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 12 10:02:31 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020140.D
 Acq On : 22 Sep 2016 9:36 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL8
 Misc : QBV6092216A
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 23 11:26:56 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.739	70	122949	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.775	117	389494	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.743	152	162606	10.00	ppb	# 0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.450	65	157789	9.07	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	90.70%	
51) Toluene-d8 (SURR)	7.275	98	569555	12.92	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	129.20%	
70) p-Bromofluorobenzene (...)	10.041	95	232416	10.08	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	100.80%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.338	85	2729966	87.53	ppb	# 94
3) Chloromethane	1.535	50	2725630	115.17	ppb	96
4) Vinyl Chloride	1.624	62	2584851	89.85	ppb	98
5) Bromomethane	1.972	94	1549445	135.17	ppb	97
6) Chloroethane	2.081	64	1505150	89.54	ppb	99
7) Trichlorofluoromethane	2.337	101	4146717	91.38	ppb	100
8) Ethanol	2.645	45	145556m	3532.37	ppb	
9) Freon-113	2.865	101	2601412	94.40	ppb	93
10) 1,1-Dichloroethylene	2.879	61	4189944	89.50	ppb	# 94
11) Acrolein	2.829	56	145394	88.32	ppb	93
12) Acetone	2.999	43	337648	98.37	ppb	100
13) Iodomethane	3.049	142	1508675	138.88	ppb	96
14) Methyl Acetate	3.316	43	754645	94.04	ppb	99
15) Carbon disulfide	3.091	76	7484403	88.59	ppb	100
16) tert-Butyl Alcohol (TBA)	3.589	59	101274	76.03	ppb	# 97
17) Methylene Chloride	3.410	49	2966199	87.64	ppb	98
18) Acrylonitrile	3.697	53	331658	101.79	ppb	# 63
19) trans-1,2-Dichloroethy...	3.658	61	4101623	91.10	ppb	98
20) tert-Butyl Methyl Ethe...	3.650	73	6285381	92.53	ppb	99
21) 1,1-Dichloroethane	4.089	63	4940281	88.42	ppb	# 96
22) Vinyl Acetate	4.137	43	6198023	131.52	ppb	100
23) Diisopropyl ether (DIPE)	4.117	45	7100270	89.18	ppb	99
24) Ethyl-tert-Butyl ether...	4.465	59	8234573	91.34	ppb	99
25) cis-1,2-Dichloroethylene	4.657	61	4709153	91.60	ppb	93
26) 2-Butanone	4.693	72	126453	99.21	ppb	90
27) 2,2-Dichloropropane	4.626	77	4588671	91.51	ppb	# 87
28) Tetrahydrofuran	4.932	42	315238	90.90	ppb	95

Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020140.D
 Acq On : 22 Sep 2016 9:36 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL8
 Misc : QBV6092216A
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 23 11:26:56 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Bromochloromethane	4.893	49	1488869	84.56	ppb	96
30) Chloroform	4.974	83	5258096	91.25	ppb #	69
31) 1,1,1-Trichloroethane	5.105	97	4914639	91.76	ppb #	73
32) Cyclohexane	5.124	56	4471600	94.75	ppb	95
33) 1,1-Dichloropropylene	5.261	75	4314771	94.19	ppb	77
35) Carbon Tetrachloride	5.252	117	4229597	96.40	ppb	100
36) tert-Amyl alcohol (TAA)	5.522	59	1316001	949.86	ppb #	53
37) 1,2-Dichloroethane	5.522	62	3364487	91.77	ppb	99
38) Benzene	5.467	78	10282105	89.41	ppb	96
39) tert-Amyl methyl ether...	5.550	73	7623298	93.67	ppb #	92
41) Trichloroethylene	6.087	95	3021532	150.48	ppb	87
42) Methyl Cyclohexane	6.226	83	4636151	153.32	ppb	96
43) Methyl Methacrylate	6.426	69	1100554	163.04	ppb #	57
44) Dibromomethane	6.460	93	1223035	148.91	ppb	95
45) Bromodichloromethane	6.613	83	3832769	152.47	ppb	96
46) 1,2-Dichloropropane	6.326	63	2584324	149.77	ppb	98
47) 1,4-Dioxane	6.485	88	117480m	1620.99	ppb	
48) 2-Chloroethyl vinyl ether	6.894	63	1005243	197.06	ppb	98
49) cis-1,3-Dichloropropene	7.041	75	4356454	154.04	ppb	97
50) 4-Methyl-2-Pentanone	7.186	43	2143073	169.13	ppb	94
52) Toluene	7.345	91	10736808	142.30	ppb	99
53) trans-1,3-Dichloropropene	7.606	75	3809160	155.94	ppb	98
54) 1,1,2-Trichloroethane	7.801	97	1558415	145.46	ppb	89
55) 1,3-Dichloropropane	7.965	76	2962093	149.42	ppb #	89
56) Tetrachloroethylene	7.887	166	2929684	165.38	ppb #	71
57) 2-Hexanone	8.035	43	782688	139.58	ppb #	98
58) Dibromochloromethane	8.204	129	2091497	152.28	ppb	97
59) 1,2-Dibromoethane	8.318	107	1553934	149.97	ppb	92
60) Chlorobenzene	8.805	112	6373431	145.13	ppb	90
61) 1,1,1,2-tetrachloroethane	8.897	131	2267050	145.38	ppb	92
62) Ethyl Benzene	8.903	91	12078630	140.90	ppb	99
63) p- & m-Xylenes	9.022	91	17653707	261.72	ppb	95
64) o-Xylene	9.451	91	10004170	141.72	ppb	98
65) Styrene	9.481	104	6668398	149.25	ppb #	77
66) Bromofrom	9.721	173	1069164	152.20	ppb	98
68) p-Ethyltoluene	10.489	105	9698156	153.68	ppb #	79
69) Isopropylbenzene	9.843	105	11366330	153.02	ppb	94
71) 1,1,2,2-Tetrachloroethane	10.241	83	1678750	155.17	ppb #	76
72) Bromobenzene	10.202	77	4488884	152.71	ppb	87
73) trans-1,4-Dichloro-2-b...	10.285	75	2097265	171.05	ppb #	81
74) 1,2,3-Trichloropropane	10.283	110	472794	155.92	ppb #	1

Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020140.D
 Acq On : 22 Sep 2016 9:36 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL8
 Misc : QBV6092216A
 ALS Vial : 17 Sample Multiplier: 1

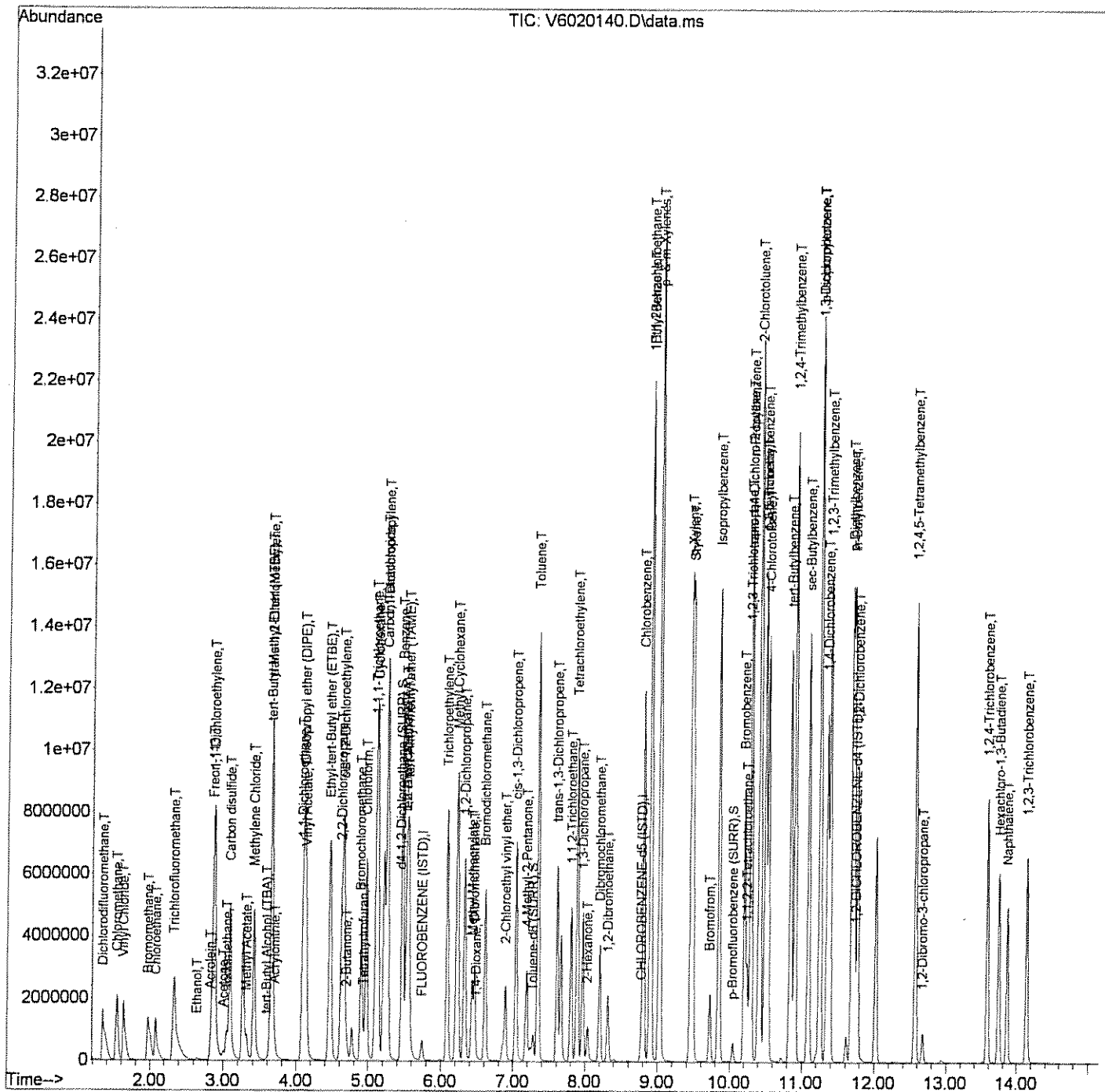
Quant Time: Sep 23 11:26:56 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) n-Propylbenzene	10.297	91	13503203	149.83	ppb	97
76) 2-Chlorotoluene	10.408	91	9802732	150.67	ppb	99
77) 4-Chlorotoluene	10.530	91	9137664	154.44	ppb	98
78) 1,3,5-Trimethylbenzene	10.489	105	9698156	153.68	ppb #	94
79) tert-Butylbenzene	10.845	119	7745684	158.96	ppb	90
80) 1,2,4-Trimethylbenzene	10.906	105	9818265	156.50	ppb #	86
81) sec-Butylbenzene	11.089	105	11305004	155.65	ppb	95
82) 1,3-Dichlorobenzene	11.243	146	4417209	161.51	ppb #	89
83) p-Isopropyltoluene	11.251	119	9733241	160.47	ppb	95
84) 1,4-Dichlorobenzene	11.345	146	4371191	159.66	ppb #	87
85) 1,2,3-Trimethylbenzene	11.382	105	9874151	374.39	ppb	94
86) p-Diethylbenzene	11.685	105	5622620	162.08	ppb #	34
87) 1,2-Dichlorobenzene	11.766	146	3777024	155.31	ppb #	86
88) n-Butylbenzene	11.715	91	11660080	155.42	ppb	88
89) 1,2-Dibromo-3-chloropr...	12.673	75	333159	164.66	ppb	97
90) 1,2,4,5-Tetramethylben...	12.570	119	9174367	162.77	ppb	96
91) 1,2,4-Trichlorobenzene	13.577	180	2683540	164.78	ppb #	94
92) Hexachloro-1,3-Butadiene	13.744	225	1413353	162.52	ppb	97
93) Naphthalene	13.863	128	4126917	170.63	ppb	95
94) 1,2,3-Trichlorobenzene	14.139	180	2102244	159.04	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : C:\msdchem\1\DATA\V6092216\  
Data File : V6020140.D  
Acq On    : 22 Sep 2016      9:36 pm  
InstName  : MSVOA6  
Operator  : SS  
Sample    : SEQ-CAL8  
Misc      : QBV6092216A  
ALS Vial  : 17      Sample Multiplier: 1
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Quant Time: Sep 23 11:26:56 2016
Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 12 10:02:31 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020141.D
 Acq On : 22 Sep 2016 10:16 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL9
 Misc : QBV6092216A
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 23 11:28:29 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.742	70	124682	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	8.775	117	398009	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.746	152	168357	10.00	ppb	# 0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.453	65	164289	9.31	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	93.10%	
51) Toluene-d8 (SURR)	7.278	98	580369	12.89	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	128.90%	
70) p-Bromofluorobenzene (...)	10.043	95	234807	9.84	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	98.40%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.338	85	2906364	91.89	ppb	99
3) Chloromethane	1.532	50	3727595	155.32	ppb	96
4) Vinyl Chloride	1.627	62	3502655	120.06	ppb	98
5) Bromomethane	1.972	94	2207958	166.56	ppb	97
6) Chloroethane	2.080	64	2004842	117.60	ppb	99
7) Trichlorofluoromethane	2.334	101	4877578	106.00	ppb	99
8) Ethanol	2.651	45	284234m	6801.94	ppb	
9) Freon-113	2.862	101	2868788	102.66	ppb	93
10) 1,1-Dichloroethylene	2.882	61	5351144	112.72	ppb	# 94
11) Acrolein	2.832	56	207624	124.37	ppb	92
12) Acetone	2.999	43	453031	130.15	ppb	99
13) Iodomethane	3.049	142	1956595	172.97	ppb	96
14) Methyl Acetate	3.313	43	1058553	130.08	ppb	99
15) Carbon disulfide	3.090	76	9611949	112.19	ppb	100
16) tert-Butyl Alcohol (TBA)	3.586	59	161948	119.90	ppb	# 97
17) Methylene Chloride	3.410	49	4006900	116.75	ppb	97
18) Acrylonitrile	3.700	53	496374	150.23	ppb	96
19) trans-1,2-Dichloroethy...	3.661	61	5367637	117.57	ppb	98
20) tert-Butyl Methyl Ethe...	3.647	73	8527204	123.79	ppb	99
21) 1,1-Dichloroethane	4.092	63	6522993	115.12	ppb	99
22) Vinyl Acetate	4.139	43	8427104	176.33	ppb	100
23) Diisopropyl ether (DIPE)	4.117	45	9562245	118.44	ppb	99
24) Ethyl-tert-Butyl ether...	4.468	59	11071816	121.10	ppb	# 90
25) cis-1,2-Dichloroethylene	4.657	61	6244652	119.78	ppb	94
26) 2-Butanone	4.696	72	180988	140.02	ppb	93
27) 2,2-Dichloropropane	4.629	77	5868027	115.40	ppb	# 83
28) Tetrahydrofuran	4.929	42	441972	125.68	ppb	96

Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020141.D
 Acq On : 22 Sep 2016 10:16 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL9
 Misc : QBV6092216A
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 23 11:28:29 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Bromochloromethane	4.896	49	2037387	114.11	ppb	95
30) Chloroform	4.971	83	6977383	119.41	ppb #	98
31) 1,1,1-Trichloroethane	5.105	97	6286199	115.74	ppb #	87
32) Cyclohexane	5.127	56	5049092	105.50	ppb	95
33) 1,1-Dichloropropylene	5.263	75	5487555	118.13	ppb	79
35) Carbon Tetrachloride	5.252	117	5257007	118.15	ppb	100
36) tert-Amyl alcohol (TAA)	5.522	59	1920990	1367.25	ppb #	53
37) 1,2-Dichloroethane	5.522	62	4539493	122.10	ppb	99
38) Benzene	5.469	78	13522705	115.95	ppb #	95
39) tert-Amyl methyl ether...	5.553	73	10312339	124.95	ppb #	92
41) Trichloroethylene	6.087	95	3965206	193.25	ppb	87
42) Methyl Cyclohexane	6.229	83	5073025	164.17	ppb	96
43) Methyl Methacrylate	6.424	69	1502409	217.81	ppb #	68
44) Dibromomethane	6.460	93	1652385	196.88	ppb	95
45) Bromodichloromethane	6.610	83	5101078	198.58	ppb	96
46) 1,2-Dichloropropane	6.323	63	3510675	199.10	ppb	98
47) 1,4-Dioxane	6.479	88	223202m	3013.86	ppb	
48) 2-Chloroethyl vinyl ether	6.897	63	1364847	261.83	ppb	98
49) cis-1,3-Dichloropropene	7.038	75	5839784	202.07	ppb	97
50) 4-Methyl-2-Pentanone	7.186	43	2891701	223.33	ppb	94
52) Toluene	7.344	91	13814170	179.16	ppb	100
53) trans-1,3-Dichloropropene	7.609	75	5082873	203.63	ppb	98
54) 1,1,2-Trichloroethane	7.801	97	2113332	193.04	ppb	89
55) 1,3-Dichloropropane	7.968	76	3968670	195.91	ppb #	89
56) Tetrachloroethylene	7.890	166	3521780	194.55	ppb #	71
57) 2-Hexanone	8.034	43	1064513	179.31	ppb #	96
58) Dibromochloromethane	8.204	129	2811909	200.35	ppb	97
59) 1,2-Dibromoethane	8.318	107	2081439	196.58	ppb	92
60) Chlorobenzene	8.805	112	8372200	186.56	ppb	90
61) 1,1,1,2-tetrachloroethane	8.900	131	2994489	187.92	ppb	92
62) Ethyl Benzene	8.903	91	14998015	171.22	ppb	99
63) p- & m-Xylenes	9.019	91	20336401m	295.04	ppb	
64) o-Xylene	9.456	91	12746959	176.71	ppb	99
65) Styrene	9.481	104	8802270	192.79	ppb #	77
66) Bromofrom	9.720	173	1443130	201.04	ppb #	78
68) p-Ethyltoluene	10.491	105	12106153	185.29	ppb	99
69) Isopropylbenzene	9.843	105	13967995	181.62	ppb	93
71) 1,1,2,2-Tetrachloroethane	10.241	83	2288342	204.30	ppb #	75
72) Bromobenzene	10.205	77	5970386	196.17	ppb	87
73) trans-1,4-Dichloro-2-b...	10.288	75	2804073	220.88	ppb #	84
74) 1,2,3-Trichloropropane	10.283	110	643347	204.92	ppb #	1

Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020141.D
 Acq On : 22 Sep 2016 10:16 pm
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CAL9
 Misc : QBV6092216A
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 23 11:28:29 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 12 10:02:31 2016
 Response via : Initial Calibration

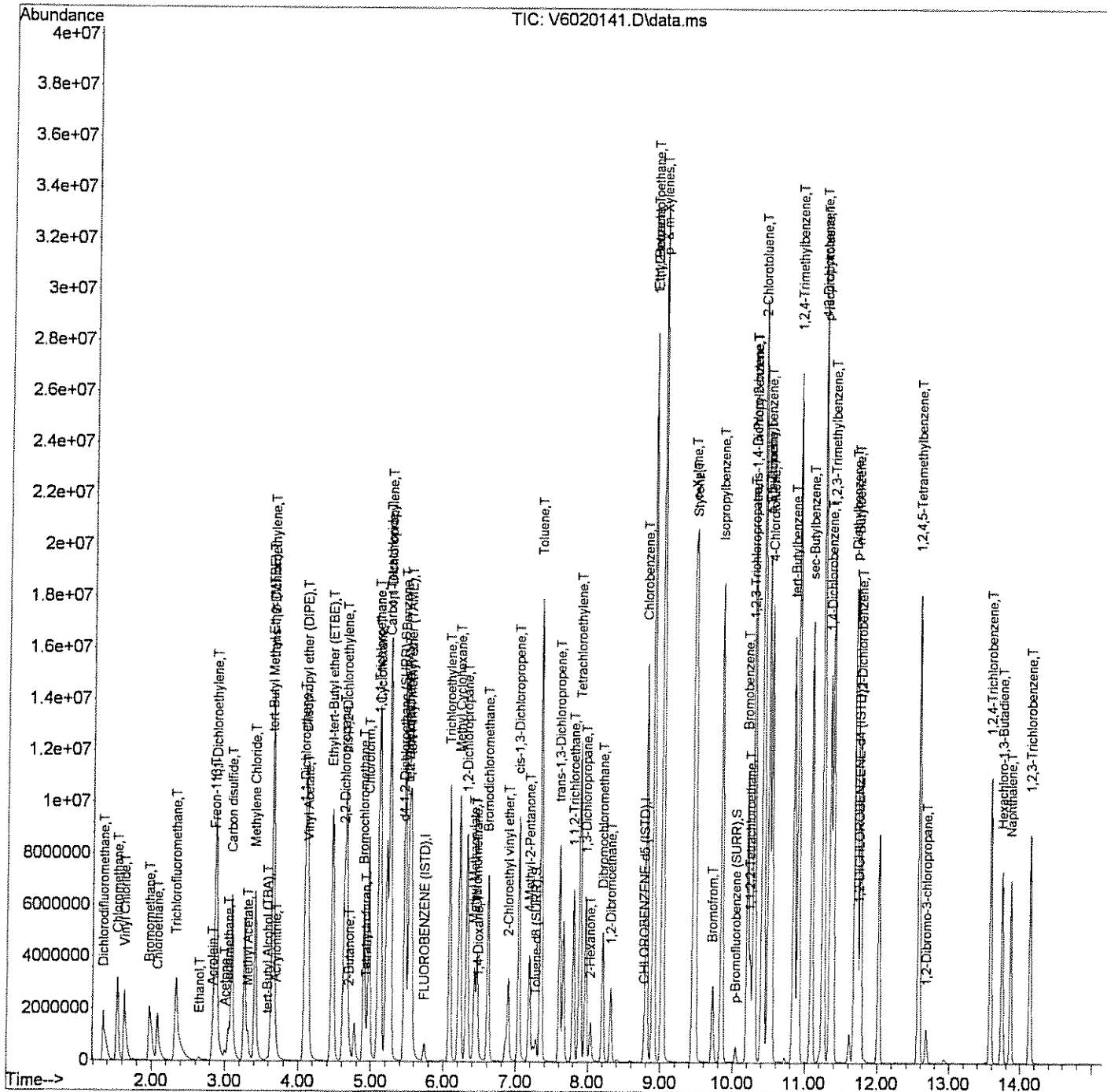
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) n-Propylbenzene	10.296	91	16284712	174.52	ppb	97
76) 2-Chlorotoluene	10.408	91	12390405	183.94	ppb	99
77) 4-Chlorotoluene	10.530	91	11759182	191.96	ppb	98
78) 1,3,5-Trimethylbenzene	10.491	105	12106153	185.29	ppb #	95
79) tert-Butylbenzene	10.847	119	9472664	187.76	ppb	90
80) 1,2,4-Trimethylbenzene	10.906	105	12393652	190.80	ppb #	85
81) sec-Butylbenzene	11.089	105	13522284	179.82	ppb	95
82) 1,3-Dichlorobenzene	11.242	146	5778577	204.07	ppb #	88
83) p-Isopropyltoluene	11.254	119	11796141	187.84	ppb	95
84) 1,4-Dichlorobenzene	11.345	146	5809570	204.94	ppb #	87
85) 1,2,3-Trimethylbenzene	11.382	105	12703178	465.20	ppb	93
86) p-Diethylbenzene	11.685	105	6918617	192.63	ppb #	37
87) 1,2-Dichlorobenzene	11.768	146	5043987	200.33	ppb	96
88) n-Butylbenzene	11.715	91	14021003	180.51	ppb	89
89) 1,2-Dibromo-3-chloropr...	12.675	75	457034	218.17	ppb	97
90) 1,2,4,5-Tetramethylben...	12.570	119	11500528	197.07	ppb	97
91) 1,2,4-Trichlorobenzene	13.577	180	3486395	206.76	ppb #	95
92) Hexachloro-1,3-Butadiene	13.738	225	1678794	186.45	ppb	98
93) Naphthalene	13.863	128	5604980	223.82	ppb	94
94) 1,2,3-Trichlorobenzene	14.139	180	2742091	200.37	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : C:\msdchem\1\DATA\V6092216\
Data File : V6020141.D
Acq On : 22 Sep 2016 10:16 pm
InstName : MSVOA6
Operator : SS
Sample : SEQ-CAL9
Misc : QBV6092216A
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 23 11:28:29 2016
Quant Method : C:\msdchem\1\METHODS\V6LO0098.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 12 10:02:31 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020144.D
 Acq On : 23 Sep 2016 12:16 am
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-SCV1
 Misc : QBV6092216A
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 23 12:20:31 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 11:53:12 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.739	70	126314	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	8.774	117	422628	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.743	152	166548	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.450	65	163907	9.84	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	98.40%	
51) Toluene-d8 (SURR)	7.275	98	598410	9.86	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	98.60%	
70) p-Bromofluorobenzene (...)	10.040	95	246230	10.13	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	101.30%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.335	85	256273	11.12	ppb	96
3) Chloromethane	1.529	50	219332	10.38	ppb	95
4) Vinyl Chloride	1.627	62	221175	10.20	ppb	98
5) Bromomethane	1.966	94	129194	11.23	ppb	98
6) Chloroethane	2.080	64	132558	10.22	ppb	98
7) Trichlorofluoromethane	2.331	101	344614	9.71	ppb	98
8) Ethanol	2.651	45	18065m	656.42	ppb	
9) Freon-113	2.862	101	213120	10.12	ppb	92
10) 1,1-Dichloroethylene	2.879	61	372964	10.38	ppb	# 94
11) Acrolein	2.834	56	11111m	9.39	ppb	
12) Acetone	3.010	43	32444	10.64	ppb	100
13) Iodomethane	3.049	142	113097m	8.21	ppb	
14) Methyl Acetate	3.318	43	59866	9.65	ppb	99
15) Carbon disulfide	3.090	76	695121	10.90	ppb	100
16) tert-Butyl Alcohol (TBA)	3.591	59	7156m	8.37	ppb	
17) Methylene Chloride	3.410	49	271460	9.80	ppb	98
18) Acrylonitrile	3.711	53	23060	8.82	ppb	97
19) trans-1,2-Dichloroethy...	3.661	61	363849	10.42	ppb	97
20) tert-Butyl Methyl Ethe...	3.652	73	535498	10.19	ppb	99
21) 1,1-Dichloroethane	4.089	63	452877	10.56	ppb	99
22) Vinyl Acetate	4.111	43	463646	8.90	ppb	100
23) Diisopropyl ether (DIPE)	4.117	45	634915	10.43	ppb	100
24) Ethyl-tert-Butyl ether...	4.465	59	676091	9.80	ppb	# 90
25) cis-1,2-Dichloroethylene	4.654	61	403101	10.11	ppb	93
26) 2-Butanone	4.707	72	11402m	10.50	ppb	
27) 2,2-Dichloropropane	4.626	77	359883	8.97	ppb	95
28) Tetrahydrofuran	4.940	42	24098m	10.22	ppb	

Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020144.D
 Acq On : 23 Sep 2016 12:16 am
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-SCV1
 Misc : QBV6092216A
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 23 12:20:31 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 11:53:12 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Bromochloromethane	4.896	49	146670	11.03	ppb	93
30) Chloroform	4.974	83	458893	10.27	ppb	# 98
31) 1,1,1-Trichloroethane	5.105	97	417912	10.15	ppb	# 73
32) Cyclohexane	5.121	56	379144	10.57	ppb	94
33) 1,1-Dichloropropylene	5.260	75	354186	10.18	ppb	# 74
35) Carbon Tetrachloride	5.249	117	354942	10.07	ppb	99
36) tert-Amyl alcohol (TAA)	5.528	59	107104	104.01	ppb	# 53
37) 1,2-Dichloroethane	5.522	62	279713	9.78	ppb	99
38) Benzene	5.464	78	917855	10.48	ppb	# 93
39) tert-Amyl methyl ether...	5.550	73	630295	10.07	ppb	96
41) Trichloroethylene	6.090	95	260391	10.20	ppb	87
42) Methyl Cyclohexane	6.223	83	378730	10.09	ppb	95
43) Methyl Methacrylate	6.435	69	79918	9.24	ppb	84
44) Dibromomethane	6.465	93	99102	9.60	ppb	# 70
45) Bromodichloromethane	6.613	83	320711	9.76	ppb	96
46) 1,2-Dichloropropane	6.326	63	221003	10.10	ppb	# 80
47) 1,4-Dioxane	6.499	88	12687m	264.10	ppb	
48) 2-Chloroethyl vinyl ether	6.899	63	74657	9.38	ppb	97
49) cis-1,3-Dichloropropene	7.041	75	363130	9.91	ppb	98
50) 4-Methyl-2-Pentanone	7.189	43	158279	9.50	ppb	93
52) Toluene	7.344	91	961481	10.09	ppb	99
53) trans-1,3-Dichloropropene	7.609	75	297493	9.61	ppb	99
54) 1,1,2-Trichloroethane	7.798	97	131069	9.56	ppb	# 82
55) 1,3-Dichloropropane	7.968	76	248268	9.74	ppb	99
56) Tetrachloroethylene	7.890	166	346885	15.54	ppb	96
57) 2-Hexanone	8.051	43	64499m	11.20	ppb	
58) Dibromochloromethane	8.204	129	168567	9.60	ppb	97
59) 1,2-Dibromoethane	8.318	107	127663	9.96	ppb	95
60) Chlorobenzene	8.805	112	529884	9.47	ppb	# 89
61) 1,1,1,2-tetrachloroethane	8.897	131	195117	9.85	ppb	94
62) Ethyl Benzene	8.897	91	1106312	10.37	ppb	96
63) p- & m-Xylenes	9.019	91	1729768	20.88	ppb	97
64) o-Xylene	9.450	91	859741	9.77	ppb	98
65) Styrene	9.481	104	609096	10.81	ppb	# 77
66) Bromofrom	9.720	173	86594	9.89	ppb	# 79
68) p-Ethyltoluene	10.486	105	885354	10.43	ppb	98
69) Isopropylbenzene	9.837	105	974943	10.04	ppb	96
71) 1,1,2,2-Tetrachloroethane	10.241	83	137806	9.74	ppb	# 75
72) Bromobenzene	10.204	77	386160	10.25	ppb	88
73) trans-1,4-Dichloro-2-b...	10.285	75	157554	9.28	ppb	# 81
74) 1,2,3-Trichloropropane	10.277	110	40486	10.12	ppb	# 1

Data Path : C:\msdchem\1\DATA\V6092216\
 Data File : V6020144.D
 Acq On : 23 Sep 2016 12:16 am
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-SCV1
 Misc : QBV6092216A
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 23 12:20:31 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 11:53:12 2016
 Response via : Initial Calibration

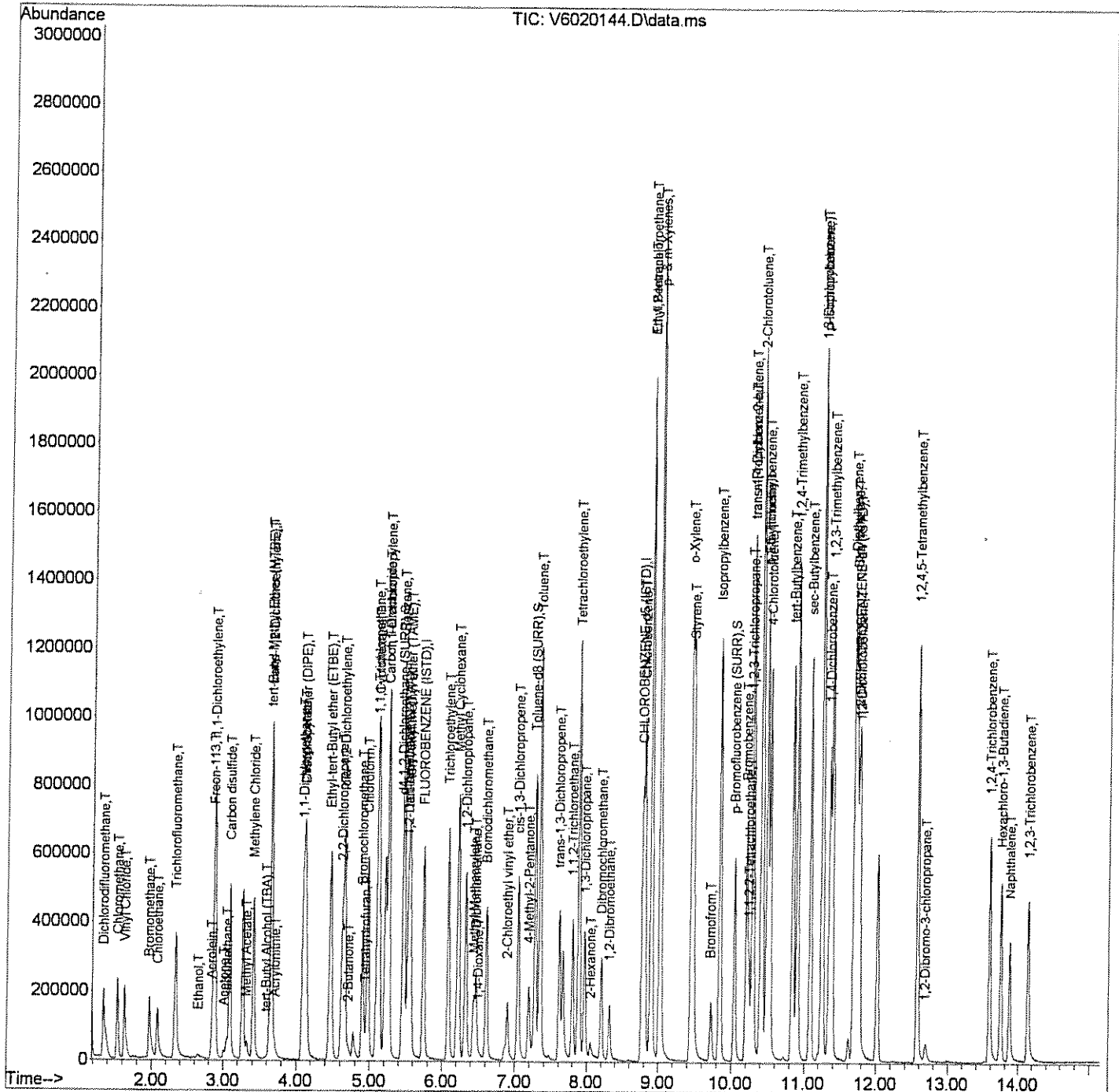
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) n-Propylbenzene	10.291	91	1201411	10.28	ppb	95
76) 2-Chlorotoluene	10.405	91	841156	10.02	ppb	99
77) 4-Chlorotoluene	10.527	91	759983	9.95	ppb	97
78) 1,3,5-Trimethylbenzene	10.486	105	885354	10.44	ppb	93
79) tert-Butylbenzene	10.839	119	651342	9.98	ppb	91
80) 1,2,4-Trimethylbenzene	10.900	105	876011	10.51	ppb	# 90
81) sec-Butylbenzene	11.084	105	943361	9.82	ppb	95
82) 1,3-Dichlorobenzene	11.239	146	357377	9.72	ppb	# 89
83) p-Isopropyltoluene	11.248	119	848275	10.44	ppb	95
84) 1,4-Dichlorobenzene	11.342	146	357956	9.70	ppb	# 87
85) 1,2,3-Trimethylbenzene	11.379	105	878755	10.19	ppb	96
86) p-Diethylbenzene	11.679	105	503596	10.88	ppb	# 38
87) 1,2-Dichlorobenzene	11.765	146	304910	9.31	ppb	# 73
88) n-Butylbenzene	11.710	91	1039154	10.61	ppb	89
89) 1,2-Dibromo-3-chloropr...	12.681	75	21783	9.28	ppb	# 76
90) 1,2,4,5-Tetramethylben...	12.567	119	784586	10.59	ppb	96
91) 1,2,4-Trichlorobenzene	13.577	180	222361	10.86	ppb	# 96
92) Hexachloro-1,3-Butadiene	13.743	225	113255	9.94	ppb	98
93) Naphthalene	13.869	128	308305	9.92	ppb	95
94) 1,2,3-Trichlorobenzene	14.144	180	167981	10.39	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : C:\msdchem\1\DATA\V6092216\
Data File : V6020144.D
Acq On : 23 Sep 2016 12:16 am
InstName : MSVOA6
Operator : SS
Sample : SEQ-SCV1
Misc : QBV6092216A
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 23 12:20:31 2016
Quant Method : C:\msdchem\1\METHODS\V6LO0099.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Fri Sep 23 11:53:12 2016
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\V6092616\
 Data File : V6020204.D
 Acq On : 26 Sep 2016 11:14 am
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CCV1
 Misc : QBV6092616A Y16I078
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 26 16:19:25 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 11:53:12 2016
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	FLUOROBENZENE (ISTD)	1.000	1.000	0.0	84	0.00
2 T	Dichlorodifluoromethane	1.825	1.432	21.5	65	0.00
3 T	Chloromethane	1.673	1.254	25.1#	68	0.00
4 T	Vinyl Chloride	1.716	1.491	13.1	77	0.00
5 T	Bromomethane	0.865	0.212	75.5#	24#	0.00
6 T	Chloroethane	1.027	0.954	7.1	82	0.00
7 T	Trichlorofluoromethane	2.810	2.619	6.8	79	0.00
8 T	Ethanol	0.002	0.002	4.5	87	0.00
9 T	Freon-113	1.667	1.632	2.1	84	0.00
10 T	1,1-Dichloroethylene	2.843	2.732	3.9	82	0.00
11 T	Acrolein	0.094	0.072	22.8	73	0.00
12 T	Acetone	0.241	0.202	16.3	74	0.00
13 T	Iodomethane	0.884	0.202	77.2#	21#	0.00
14 T	Methyl Acetate	0.491	0.491	0.0	95	0.00
15 T	Carbon disulfide	5.048	4.910	2.7	84	0.00
16 T	tert-Butyl Alcohol (TBA)	0.068	0.071	-4.4	91	0.02
17 T	Methylene Chloride	2.192	1.928	12.0	80	0.00
18 T	Acrylonitrile	0.207	0.165	20.2	76	-0.01
19 T	trans-1,2-Dichloroethylene	2.765	2.670	3.4	85	0.00
20 T	tert-Butyl Methyl Ether (MT)	4.160	4.008	3.6	87	0.00
21 T	1,1-Dichloroethane	3.396	3.356	1.2	88	0.00
22 T	Vinyl Acetate	4.123	2.438	40.9#	52	0.01
23 T	Diisopropyl ether (DIPE)	4.818	4.841	-0.5	89	0.00
24 T	Ethyl-tert-Butyl ether (ETB)	5.464	5.337	2.3	88	0.00
25 T	cis-1,2-Dichloroethylene	3.157	3.065	2.9	85	0.00
26 T	2-Butanone	0.086	0.063	26.6#	63	-0.02
27 T	2,2-Dichloropropane	3.176	3.038	4.3	82	0.00
28 T	Tetrahydrofuran	0.190	0.177	7.1	154#	-0.03
29 T	Bromochloromethane	1.052	1.061	-0.8	87	0.00
30 T	Chloroform	3.536	3.389	4.1	86	0.00
31 T	1,1,1-Trichloroethane	3.259	3.079	5.5	81	0.00
32 T	Cyclohexane	2.839	2.898	-2.1	87	0.00
33 T	1,1-Dichloropropylene	2.756	2.699	2.1	86	0.00
34 S	d4-1,2-Dichloroethane (SURR)	1.319	1.237	6.2	81	0.00
35 T	Carbon Tetrachloride	2.789	2.610	6.4	82	0.00
36 T	tert-Amyl alcohol (TAA)	0.082	0.081	0.6	93	0.00
37 T	1,2-Dichloroethane	2.263	2.031	10.3	85	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\V6092616\
 Data File : V6020204.D
 Acq On : 26 Sep 2016 11:14 am
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CCV1
 Misc : QBV6092616A Y16I078
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 26 16:19:25 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 11:53:12 2016
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38 T	Benzene	6.932	6.921	0.2	88	0.00
39 T	tert-Amyl methyl ether (TAM)	4.958	4.780	3.6	89	0.00
40 I	CHLORO BENZENE-d5 (ISTD)	1.000	1.000	0.0	86	0.00
41 T	Trichloroethylene	0.604	0.554	8.3	85	0.00
42 T	Methyl Cyclohexane	0.888	0.879	0.9	88	0.00
43 T	Methyl Methacrylate	0.205	0.179	12.8	93	-0.01
44 T	Dibromomethane	0.244	0.224	8.3	86	0.00
45 T	Bromodichloromethane	0.777	0.702	9.7	84	0.00
46 T	1,2-Dichloropropane	0.518	0.514	0.7	92	0.00
47 T	1,4-Dioxane	0.001	0.001	18.2	80	0.00
48 T	2-Chloroethyl vinyl ether	0.188	0.155	18.0	83	-0.01
49 T	cis-1,3-Dichloropropene	0.867	0.831	4.2	87	0.00
50 T	4-Methyl-2-Pentanone	0.393	0.367	6.8	92	0.00
51 S	Toluene-d8 (SURR)	1.435	1.414	1.5	84	0.00
52 T	Toluene	2.254	2.171	3.7	87	0.00
53 T	trans-1,3-Dichloropropene	0.732	0.699	4.6	87	0.00
54 T	1,1,2-Trichloroethane	0.325	0.303	6.5	87	0.00
55 T	1,3-Dichloropropane	0.603	0.577	4.4	88	0.00
56 T	Tetrachloroethylene	0.528	0.513	2.8	91	0.00
57 T	2-Hexanone	0.128	0.133	-4.5	97	-0.09
58 T	Dibromochloromethane	0.415	0.379	8.7	85	0.00
59 T	1,2-Dibromoethane	0.303	0.282	7.1	88	0.00
60 T	Chlorobenzene	1.324	1.275	3.7	87	0.00
61 T	1,1,1,2-tetrachloroethane	0.469	0.444	5.2	84	0.01
62 T	Ethyl Benzene	2.524	2.532	-0.3	87	0.00
63 T	p- & m-Xylenes	1.960	2.015	-2.8	86	0.00
64 T	o-Xylene	2.081	2.063	0.9	86	0.00
65 T	Styrene	1.333	1.332	0.1	89	0.00
66 T	Bromofrom	0.207	0.180	12.9	80	0.00
67 I	1,2-DICHLORO BENZENE-d4 (IST)	1.000	1.000	0.0	83	0.00
68 T	p-Ethyltoluene	5.099	5.222	-2.4	87	0.00
69 T	Isopropylbenzene	5.832	6.224	-6.7	86	0.00
70 S	p-Bromofluorobenzene (SURR)	1.460	1.505	-3.1	84	0.00
71 T	1,1,2,2-Tetrachloroethane	0.849	0.866	-2.0	87	0.00
72 T	Bromobenzene	2.261	2.316	-2.4	87	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\V6092616\
 Data File : V6020204.D
 Acq On : 26 Sep 2016 11:14 am
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CCV1
 Misc : QBV6092616A Y16I078
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 26 16:19:25 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 11:53:12 2016
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 T	trans-1,4-Dichloro-2-butene	0.887	0.905	-2.1	82	0.00
74 T	1,2,3-Trichloropropane	0.240	0.237	1.1	86	0.00
75 T	n-Propylbenzene	7.014	7.606	-8.4	86	0.00
76 T	2-Chlorotoluene	5.039	5.206	-3.3	85	0.00
77 T	4-Chlorotoluene	4.585	4.758	-3.8	84	0.00
78 T	1,3,5-Trimethylbenzene	5.090	5.222	-2.6	87	0.00
79 T	tert-Butylbenzene	3.918	4.107	-4.8	85	0.00
80 T	1,2,4-Trimethylbenzene	5.004	5.223	-4.4	86	0.00
81 T	sec-Butylbenzene	5.769	6.103	-5.8	85	0.00
82 T	1,3-Dichlorobenzene	2.207	2.262	-2.5	87	0.00
83 T	p-Isopropyltoluene	4.878	5.101	-4.6	86	0.00
84 T	1,4-Dichlorobenzene	2.215	2.195	0.9	85	0.00
85 T	1,2,3-Trimethylbenzene	5.178	2.060	60.2#	34#	0.00
86 T	p-Diethylbenzene	2.779	2.865	-3.1	86	0.00
87 T	1,2-Dichlorobenzene	1.966	1.899	3.4	74	0.00
88 T	n-Butylbenzene	5.879	6.097	-3.7	84	0.00
89 T	1,2-Dibromo-3-chloropropane	0.141	0.159	-13.2	99	-0.01
90 T	1,2,4,5-Tetramethylbenzene	4.449	4.551	-2.3	86	0.00
91 T	1,2,4-Trichlorobenzene	1.230	1.236	-0.5	87	0.00
92 T	Hexachloro-1,3-Butadiene	0.684	0.674	1.5	83	0.00
93 T	Naphthalene	1.865	1.795	3.8	90	0.00
94 T	1,2,3-Trichlorobenzene	0.971	0.934	3.8	83	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : C:\msdchem\1\DATA\V6092616\
 Data File : V6020204.D
 Acq On : 26 Sep 2016 11:14 am
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CCV1
 Misc : QBV6092616A Y16I078
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 26 16:19:25 2016
 Quant Method : C:\msdchem\1\METHODS\V6L00099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 11:53:12 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.742	70	92550	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.780	117	310297	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.746	152	118619	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.453	65	114516	9.38	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	93.80%	
51) Toluene-d8 (SURR)	7.281	98	438864	9.85	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	98.50%	
70) p-Bromofluorobenzene (...)	10.046	95	178502	10.31	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	103.10%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.341	85	132489	7.85	ppb	100
3) Chloromethane	1.533	50	116017	7.49	ppb	96
4) Vinyl Chloride	1.630	62	138006	8.69	ppb	98
5) Bromomethane	1.975	94	19650	2.94	ppb	97
6) Chloroethane	2.083	64	88266	9.29	ppb	99
7) Trichlorofluoromethane	2.339	101	242398	9.32	ppb	99
8) Ethanol	2.651	45	9588	475.50	ppb	100
9) Freon-113	2.871	101	151072	9.79	ppb	# 76
10) 1,1-Dichloroethylene	2.885	61	252829	9.61	ppb	# 94
11) Acrolein	2.840	56	6695	7.73	ppb	99
12) Acetone	3.013	43	18705	8.37	ppb	99
13) Iodomethane	3.052	142	18673	2.91	ppb	98
14) Methyl Acetate	3.324	43	45443	10.00	ppb	99
15) Carbon disulfide	3.093	76	454449	9.73	ppb	100
16) tert-Butyl Alcohol (TBA)	3.600	59	6540m	10.45	ppb	
17) Methylene Chloride	3.416	49	178465	8.80	ppb	97
18) Acrylonitrile	3.717	53	15281	7.98	ppb	# 78
19) trans-1,2-Dichloroethy...	3.667	61	247087	9.66	ppb	97
20) tert-Butyl Methyl Ethe...	3.658	73	370989	9.64	ppb	97
21) 1,1-Dichloroethane	4.089	63	310548	9.88	ppb	99
22) Vinyl Acetate	4.145	43	225661m	5.91	ppb	
23) Diisopropyl ether (DIPE)	4.123	45	448012	10.05	ppb	# 97
24) Ethyl-tert-Butyl ether...	4.473	59	493903	9.77	ppb	99
25) cis-1,2-Dichloroethylene	4.663	61	283648	9.71	ppb	93
26) 2-Butanone	4.713	72	5844	7.34	ppb	# 71
27) 2,2-Dichloropropane	4.635	77	281158	9.57	ppb	# 87
28) Tetrahydrofuran	4.949	42	16345	9.58	ppb	# 67

Data Path : C:\msdchem\1\DATA\V6092616\
 Data File : V6020204.D
 Acq On : 26 Sep 2016 11:14 am
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CCV1
 Misc : QBV6092616A Y16I078
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 26 16:19:25 2016
 Quant Method : C:\msdchem\1\METHODS\V6LO0099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 11:53:12 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Bromochloromethane	4.899	49	98168	10.08	ppb	95
30) Chloroform	4.977	83	313678	9.59	ppb #	98
31) 1,1,1-Trichloroethane	5.110	97	284920	9.45	ppb	98
32) Cyclohexane	5.124	56	268242	10.21	ppb	94
33) 1,1-Dichloropropylene	5.266	75	249748	9.79	ppb	78
35) Carbon Tetrachloride	5.258	117	241510	9.36	ppb #	92
36) tert-Amyl alcohol (TAA)	5.531	59	74960	99.35	ppb #	53
37) 1,2-Dichloroethane	5.528	62	187932	8.97	ppb #	85
38) Benzene	5.472	78	640533	9.98	ppb	93
39) tert-Amyl methyl ether...	5.556	73	442388	9.64	ppb #	88
41) Trichloroethylene	6.095	95	171929	9.17	ppb	88
42) Methyl Cyclohexane	6.234	83	272840	9.90	ppb	95
43) Methyl Methacrylate	6.440	69	55411	8.72	ppb #	68
44) Dibromomethane	6.468	93	69443	9.17	ppb	95
45) Bromodichloromethane	6.618	83	217804	9.03	ppb	96
46) 1,2-Dichloropropane	6.335	63	159552	9.93	ppb	99
47) 1,4-Dioxane	6.499	88	5361	180.93	ppb	90
48) 2-Chloroethyl vinyl ether	6.905	63	47933	8.20	ppb	97
49) cis-1,3-Dichloropropene	7.044	75	257825	9.58	ppb	98
50) 4-Methyl-2-Pentanone	7.197	43	113743	9.34	ppb #	87
52) Toluene	7.347	91	673675	9.63	ppb	99
53) trans-1,3-Dichloropropene	7.614	75	216806	9.54	ppb	98
54) 1,1,2-Trichloroethane	7.806	97	94100	9.35	ppb	90
55) 1,3-Dichloropropane	7.971	76	178975	9.56	ppb #	76
56) Tetrachloroethylene	7.893	166	159327	9.72	ppb	97
57) 2-Hexanone	8.054	43	41361m	10.06	ppb	
58) Dibromochloromethane	8.213	129	117686	9.13	ppb	97
59) 1,2-Dibromoethane	8.324	107	87451	9.29	ppb	93
60) Chlorobenzene	8.811	112	395653	9.63	ppb #	90
61) 1,1,1,2-tetrachloroethane	8.905	131	137820	9.48	ppb	91
62) Ethyl Benzene	8.903	91	785702	10.03	ppb	96
63) p- & m-Xylenes	9.025	91	1250273	20.56	ppb	98
64) o-Xylene	9.456	91	640103	9.91	ppb	98
65) Styrene	9.484	104	413346	9.99	ppb #	77
66) Bromofrom	9.729	173	55989	8.71	ppb #	79
68) p-Ethyltoluene	10.489	105	619450	10.24	ppb #	79
69) Isopropylbenzene	9.843	105	738271	10.67	ppb	96
71) 1,1,2,2-Tetrachloroethane	10.244	83	102747	10.20	ppb #	55
72) Bromobenzene	10.210	77	274692	10.24	ppb	87
73) trans-1,4-Dichloro-2-b...	10.285	75	107357	8.94	ppb #	78
74) 1,2,3-Trichloropropane	10.285	110	28168	9.89	ppb #	1

Data Path : C:\msdchem\1\DATA\V6092616\
 Data File : V6020204.D
 Acq On : 26 Sep 2016 11:14 am
 InstName : MSVOA6
 Operator : SS
 Sample : SEQ-CCV1
 Misc : QBV6092616A Y16I078
 ALS Vial : 4 Sample Multiplier: 1

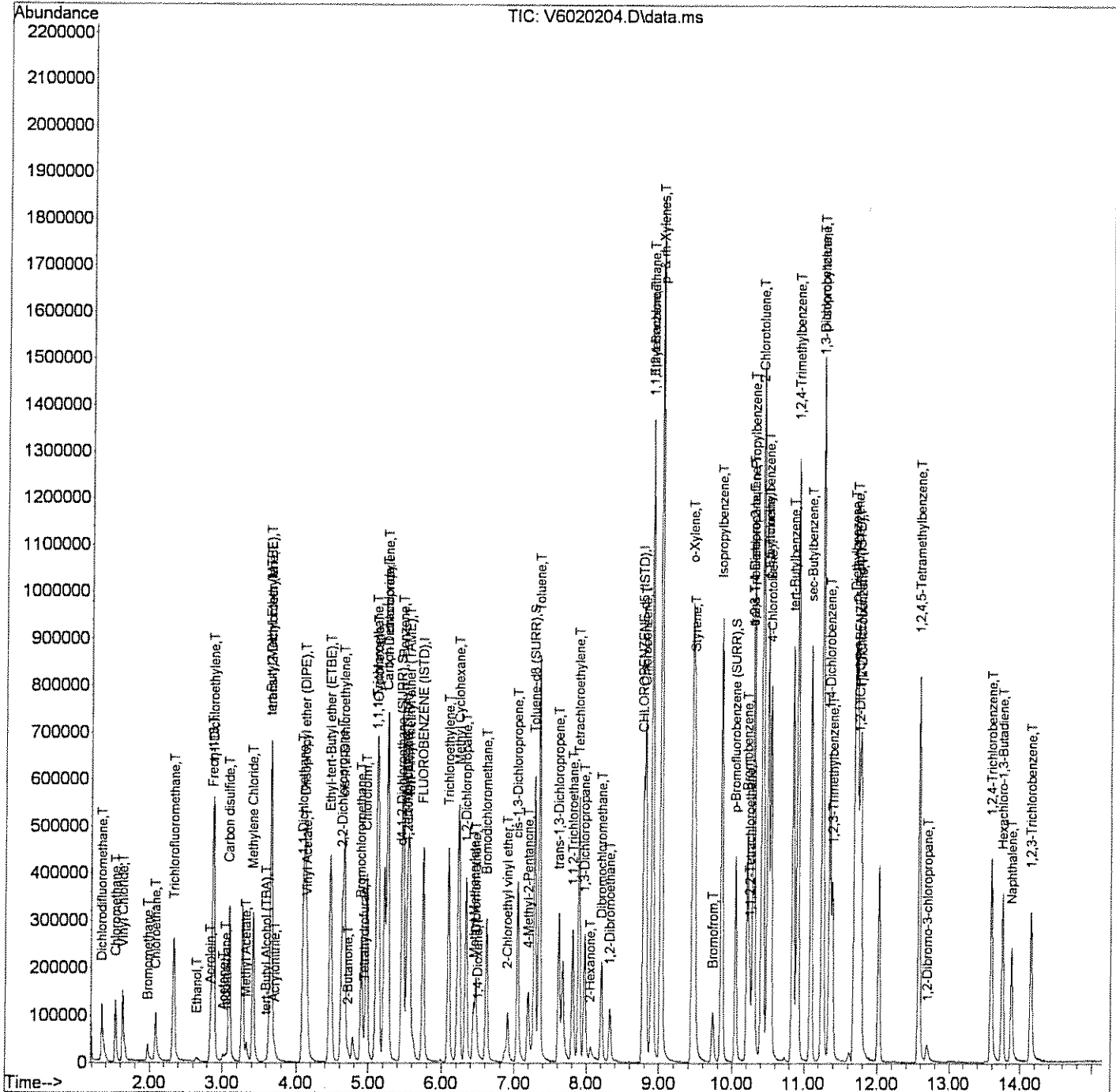
Quant Time: Sep 26 16:19:25 2016
 Quant Method : C:\msdchem\1\METHODS\V6L00099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 11:53:12 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) n-Propylbenzene	10.297	91	902246	10.84	ppb	95
76) 2-Chlorotoluene	10.408	91	617546	10.33	ppb	99
77) 4-Chlorotoluene	10.530	91	564400	10.38	ppb	97
78) 1,3,5-Trimethylbenzene	10.489	105	619450	10.26	ppb	93
79) tert-Butylbenzene	10.847	119	487229	10.48	ppb	90
80) 1,2,4-Trimethylbenzene	10.909	105	619579	10.44	ppb #	89
81) sec-Butylbenzene	11.087	105	723963	10.58	ppb	96
82) 1,3-Dichlorobenzene	11.245	146	268368	10.25	ppb #	90
83) p-Isopropyltoluene	11.251	119	605078	10.46	ppb	95
84) 1,4-Dichlorobenzene	11.345	146	260404	9.91	ppb #	89
85) 1,2,3-Trimethylbenzene	11.387	105	244338	3.98	ppb	96
86) p-Diethylbenzene	11.685	105	339861	10.31	ppb #	33
87) 1,2-Dichlorobenzene	11.766	146	225281	9.66	ppb	96
88) n-Butylbenzene	11.716	91	723241	10.37	ppb	86
89) 1,2-Dibromo-3-chloropr...	12.692	75	18871m	10.77	ppb	
90) 1,2,4,5-Tetramethylben...	12.572	119	539862	10.23	ppb	96
91) 1,2,4-Trichlorobenzene	13.582	180	146594	10.05	ppb #	95
92) Hexachloro-1,3-Butadiene	13.747	225	80001	9.86	ppb	97
93) Naphthalene	13.875	128	212963	9.62	ppb	95
94) 1,2,3-Trichlorobenzene	14.147	180	110809	9.62	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\V6092616\
Data File : V6020204.D
Acq On : 26 Sep 2016 11:14 am
InstName : MSVOA6
Operator : SS
Sample : SEQ-CCV1
Misc : QBV6092616A Y16I078
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 26 16:19:25 2016
Quant Method : C:\msdchem\1\METHODS\V6L00099.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Fri Sep 23 11:53:12 2016
Response via : Initial Calibration



Response Factor Report VOA No. 8

Method Path : C:\msdchem\1\methods\
 Method File : V8LO0015.M
 Title : Volatile Organics EPA 8260C
 Last Update : Thu Sep 15 08:36:22 2016
 Response Via : Initial Calibration

Calibration Files

0.5 =V8003430.D 2.0 =V8003431.D 4.0 =V8003432.D 10.0 =V8003433.D 20.0 =V8003434.D 40.0 =V8003435.D
 80.0 =V8003436.D 120 =V8003437.D 160 =V8003438.D

Compound	0.5	2.0	4.0	10.0	20.0	40.0	80.0	120	160	Avg	%RSD
1) I FLUOROBENZENE (ISTD)											
2) T Dichlorodifluo...	0.752	0.767	0.769	0.733	0.691	0.699	0.723	0.570	0.622	0.703	9.61
3) T Chloromethane	0.404	0.344	0.404	0.426	0.481	0.575				0.439	18.20
4) T Vinyl Chloride	0.861	0.855	0.902	0.850	0.848	0.892	0.905	0.772	0.775	0.851	5.77
5) T Bromomethane	0.245	0.153	0.193	0.187	0.218	0.242	0.298	0.313	0.335	0.243	25.63
6) T Chloroethane	0.564	0.415	0.402	0.343	0.326	0.343	0.336	0.292	0.291	0.368	23.05
7) T Trichlorofluor...	1.525	1.480	1.493	1.304	1.221	1.353	1.356	1.041	1.019	1.310	14.22
8) T Ethanol	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	20.13
9) T Freon-113	0.719	0.749	0.724	0.685	0.674	0.754	0.821	0.673	0.749	0.728	6.52
10) T 1,1-Dichloroet...	1.062	0.917	0.979	1.017	1.001	1.083	1.161	1.034	1.092	1.038	6.86
11) T Acrolein	0.024	0.031	0.042	0.044	0.044	0.047	0.053	0.054	0.064	0.045	28.14
12) T Acetone	0.125	0.113	0.136	0.121	0.111	0.111	0.109	0.097	0.124	0.117	10.11
13) T Iodomethane	0.126	0.098	0.157	0.248	0.371	0.498	0.635	0.613	0.659	0.378	60.70
14) T Methyl Acetate	0.223	0.217	0.224	0.213	0.213	0.221	0.230	0.229	0.258	0.225	6.08
15) T Carbon disulfide	2.100	1.537	1.654	1.683	1.630	1.769	1.893	1.687	1.777	1.748	9.52
16) T tert-Butyl Alc...	0.013	0.017	0.017	0.017	0.019	0.019	0.022	0.022	0.028	0.020	23.18
17) T Methylene Chlo...	0.827	0.857	0.893	0.880	0.927	0.980	0.967	0.967	0.979	0.914	6.39
18) T Acrylonitrile	0.083	0.089	0.097	0.096	0.112	0.123	0.123	0.124	0.137	0.108	18.01
19) T trans-1,2-Dich...	1.085	0.871	0.953	0.991	0.975	1.070	1.169	1.100	1.130	1.038	9.26
20) T tert-Butyl Met...	1.068	1.006	1.095	1.194	1.232	1.319	1.439	1.500	1.666	1.280	17.22
21) T 1,1-Dichloroet...	1.474	1.176	1.284	1.346	1.361	1.480	1.557	1.445	1.427	1.394	8.31
22) T Vinyl Acetate	1.008	1.312	1.478	1.552	1.561	1.634	1.839	1.751	1.678	1.535	16.31
23) T Diisopropyl et...	1.996	2.636	2.276	2.831	2.877	2.504	2.685	2.592	2.510	2.545	10.75
24) T Ethyl-tert-But...	1.466	1.994	1.687	2.182	2.231	1.947	2.118	2.176	2.335	2.015	13.90
25) T cis-1,2-Dichlo...	1.251	1.017	1.093	1.169	1.180	1.268	1.380	1.344	1.363	1.229	10.19
26) T 2-Butanone	0.068	0.051	0.050	0.047	0.046	0.046	0.048	0.046	0.054	0.051	14.35
27) T 2,2-Dichloropr...	0.896	0.764	0.835	0.891	0.902	1.002	1.099	1.009	1.060	0.940	11.66
28) T Tetrahydrofuran	0.070	0.069	0.086	0.081	0.084	0.084	0.092	0.093	0.107	0.085	14.91
29) T Bromochloromet...	0.536	0.451	0.481	0.487	0.480	0.484	0.486	0.477	0.500	0.487	4.66
30) T Chloroform	1.416	1.164	1.231	1.305	1.318	1.397	1.484	1.469	1.483	1.363	8.47
31) T 1,1,1-Trichlor...	1.082	0.964	1.035	1.108	1.095	1.222	1.358	1.238	1.343	1.161	11.77
32) T Cyclohexane	1.152	1.201	1.212	1.196	1.178	1.321	1.460	1.180	1.260	1.240	7.79
33) T 1,1-Dichloropr...	1.083	0.886	0.913	0.990	0.991	1.087	1.210	1.060	1.103	1.036	9.77
34) S d4-1,2-Dichlor...	1.085	1.081	1.081	1.079	1.049	1.104	1.096	1.140	1.210	1.103	4.26
35) T Carbon Tetrach...	0.860	0.800	0.881	0.967	0.959	1.120	1.302	1.165	1.279	1.037	17.88
36) T tert-Amyl alco...	0.018	0.015	0.022	0.022	0.022	0.019	0.024	0.025	0.032	0.022	23.58

37) T	1,2-Dichloroet...	0.701	0.613	0.659	0.688	0.709	0.747	0.827	0.843	0.880	0.741	12.22
38) T	Benzene	3.401	2.664	2.882	2.997	3.001	3.225	3.450	3.335	3.354	3.146	8.62
39) T	tert-Amyl meth...	1.544	1.247	1.662	1.737	1.530	1.703	1.756	1.909	1.636		12.12
CHLOROBENZENE-d5 (---ISTD---												
40) I	Trichloroethylene	0.192	0.147	0.155	0.162	0.162	0.175	0.193	0.178	0.190	0.173	9.80
41) T	Methyl Cyclohe...	0.238	0.259	0.260	0.253	0.252	0.271	0.306	0.247	0.266	0.262	7.46
42) T	Methyl Methacr...	0.037	0.042	0.044	0.050	0.051	0.052	0.056	0.056	0.063	0.050	15.81
44) T	Dibromomethane	0.063	0.059	0.062	0.066	0.066	0.068	0.074	0.074	0.076	0.067	8.98
45) T	Bromodichlorom...	0.184	0.158	0.166	0.183	0.184	0.190	0.207	0.205	0.216	0.188	10.04
46) T	1,2-Dichloropr...	0.171	0.144	0.144	0.156	0.155	0.160	0.171	0.169	0.172	0.160	7.00
47) T	1,4-Dioxane	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23.36
48) T	2-Chloroethyl ...											-1.00
49) T	cis-1,3-Dichlo...	0.195	0.171	0.185	0.210	0.217	0.226	0.246	0.244	0.252	0.216	13.25
50) T	4-Methyl-2-Pen...	0.097	0.101	0.110	0.115	0.115	0.118	0.128	0.125	0.143	0.117	12.71
51) S	Toluene-d8 (SURR)	1.225	1.239	1.231	1.210	1.201	1.193	1.166	1.150	1.147	1.196	2.88
52) T	Toluene	0.784	0.617	0.649	0.686	0.687	0.725	0.795	0.746	0.749	0.715	8.39
53) T	trans-1,3-Dich...	0.144	0.126	0.137	0.157	0.165	0.171	0.191	0.193	0.206	0.165	16.51
54) T	1,1,2-Trichlor...	0.092	0.085	0.087	0.092	0.093	0.095	0.104	0.104	0.112	0.096	9.26
55) T	1,3-Dichloropr...	0.147	0.134	0.139	0.152	0.150	0.154	0.164	0.164	0.174	0.153	8.18
56) T	Tetrachloroeth...	0.190	0.170	0.184	0.189	0.216	0.281					19.53
57) T	2-Hexanone	0.036	0.037	0.041	0.052	0.049	0.048	0.050	0.047	0.057	0.046	15.06
58) T	Dibromochlorom...	0.106	0.093	0.106	0.116	0.120	0.127	0.140	0.143	0.157	0.123	16.64
59) T	1,2-Dibromoethane	0.079	0.078	0.080	0.086	0.088	0.091	0.098	0.098	0.106	0.089	11.08
60) T	Chlorobenzene	0.500	0.394	0.421	0.447	0.452	0.471	0.529	0.516	0.520	0.472	10.04
61) T	1,1,1,2-tetrac...	0.161	0.127	0.142	0.154	0.161	0.177	0.212	0.208	0.206	0.172	17.81
62) T	Ethyl Benzene	0.817	0.650	0.713	0.762	0.769	0.832	0.933	0.829	0.783	0.788	10.16
63) T	p- & m-Xylenes	0.612	0.504	0.550	0.588	0.600	0.654	0.722	0.626	0.576	0.604	10.28
64) T	o-Xylene	0.575	0.483	0.532	0.579	0.605	0.648	0.728	0.679	0.664	0.610	12.62
65) T	Styrene	0.401	0.345	0.387	0.424	0.446	0.479	0.544	0.525	0.516	0.452	15.19
66) T	Bromofrom	0.049	0.044	0.047	0.054	0.058	0.062	0.071	0.073	0.083	0.060	22.40
1,2-DICHLOROBENZEN...---ISTD---												
67) I	p-Ethyltoluene	1.518	1.250	1.399	1.410	1.409	1.461	1.651	1.442	1.354	1.433	7.72
68) T	Isopropylbenzene	1.763	1.510	1.708	1.787	1.758	1.795	2.003	1.737	1.633	1.744	7.59
69) T	p-Bromofluorob...	1.148	1.138	1.136	1.089	1.048	1.009	0.960	0.943	0.886	1.040	9.22
70) S	1,1,2,2-Tetrac...	0.235	0.212	0.212	0.227	0.225	0.219	0.234	0.234	0.226	0.225	3.94
71) T	Bromobenzene	0.602	0.485	0.519	0.545	0.546	0.542	0.592	0.563	0.530	0.547	6.55
72) T	trans-1,4-Dich...	0.206	0.190	0.208	0.224	0.229	0.234	0.255	0.245	0.241	0.226	9.21
73) T	1,2,3-Trichlor...	0.047	0.049	0.053	0.057	0.056	0.056	0.062	0.062	0.063	0.056	10.11
74) T	n-Propylbenzene	2.215	1.882	2.106	2.153	2.133	2.152	2.336	1.986	1.804	2.085	7.99
75) T	2-Chlorotoluene	1.509	1.259	1.364	1.381	1.401	1.462	1.577	1.360	1.194	1.390	8.51
76) T	4-Chlorotoluene	1.310	1.079	1.184	1.205	1.204	1.218	1.325	1.208	1.128	1.207	6.42
77) T	1,3,5-Trimethy...	1.518	1.250	1.429	1.416	1.409	1.461	1.651	1.442	1.354	1.436	7.64
78) T	tert-Butylbenzene	1.176	1.001	1.125	1.183	1.184	1.245	1.511	1.716	1.534	1.397	9.03
79) T	sec-Butylbenzene	1.430	1.224	1.359	1.426	1.456	1.511	1.716	1.534	1.397	1.450	9.28
80) T	1,2,4-Trimethy...	1.667	1.487	1.656	1.739	1.745	1.812	2.041	1.716	1.632	1.722	8.74
81) T	1,3-Dichlorobe...	0.811	0.661	0.718	0.755	0.790	0.850	0.986	0.913	0.839	0.814	12.13
82) T	p-Isopropyltol...	1.347	1.222	1.387	1.487	1.533	1.665	1.925	1.623	1.458	1.516	13.55
83) T	1,4-Dichlorobe...	0.764	0.636	0.671	0.714	0.733	0.760	0.869	0.843	0.828	0.758	10.39
84) T	1,2,3-Trimethy...	0.525	0.499	0.515	0.530	0.533	0.542	0.590	0.552	0.541	0.536	4.73

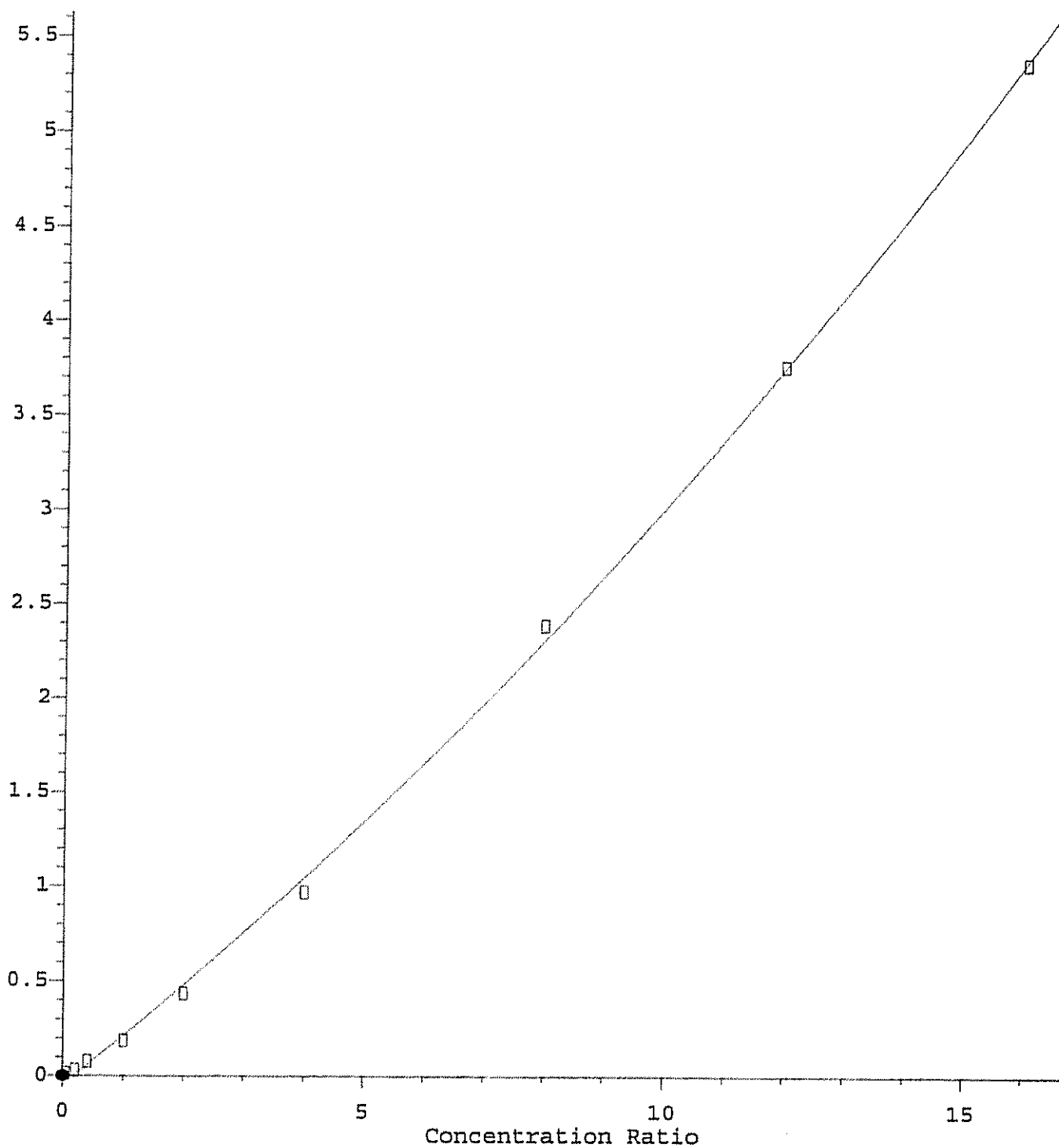
86)	T	p-Diethylbenzene	0.640	0.685	0.731	0.732	0.784	0.827	0.948	0.825	0.791	0.774	11.70
87)	T	1,2-Dichlorobenzene	0.649	0.532	0.563	0.590	0.611	0.620	0.689	0.668	0.682	0.623	8.75
88)	T	n-Butylbenzene	1.491	1.377	1.513	1.560	1.605	1.665	1.852	1.545	1.450	1.562	8.80
89)	T	1,2-Dibromo-3-...		0.022	0.019	0.021	0.022	0.022	0.024	0.023	0.025	0.022	8.93
90)	T	1,2,4,5-Tetram...	0.777	0.828	0.901	0.941	1.048	1.100	1.280	1.154	1.177	1.023	16.72
91)	T	1,2,4-Trichlor...	0.156	0.149	0.155	0.176	0.187	0.205	0.236	0.224	0.272	0.196	21.62
92)	T	Hexachloro-1,3...	0.077	0.077	0.084	0.088	0.090	0.094	0.114	0.095	0.111	0.092	14.42
93)	T	Naphthalene	0.192	0.172	0.183	0.223	0.237	0.252	0.276	0.278	0.338	0.239	22.35
94)	T	1,2,3-Trichlor...	0.066	0.070	0.077	0.090	0.092	0.102	0.114	0.112	0.144	0.096	25.66

(#) = Out of Range

V8LO0015.M Thu Sep 15 08:36:37 2016

Bromomethane

Response Ratio



$$R = 5.54e-003 A^2 + 2.50e-001 A - 4.20e-002$$

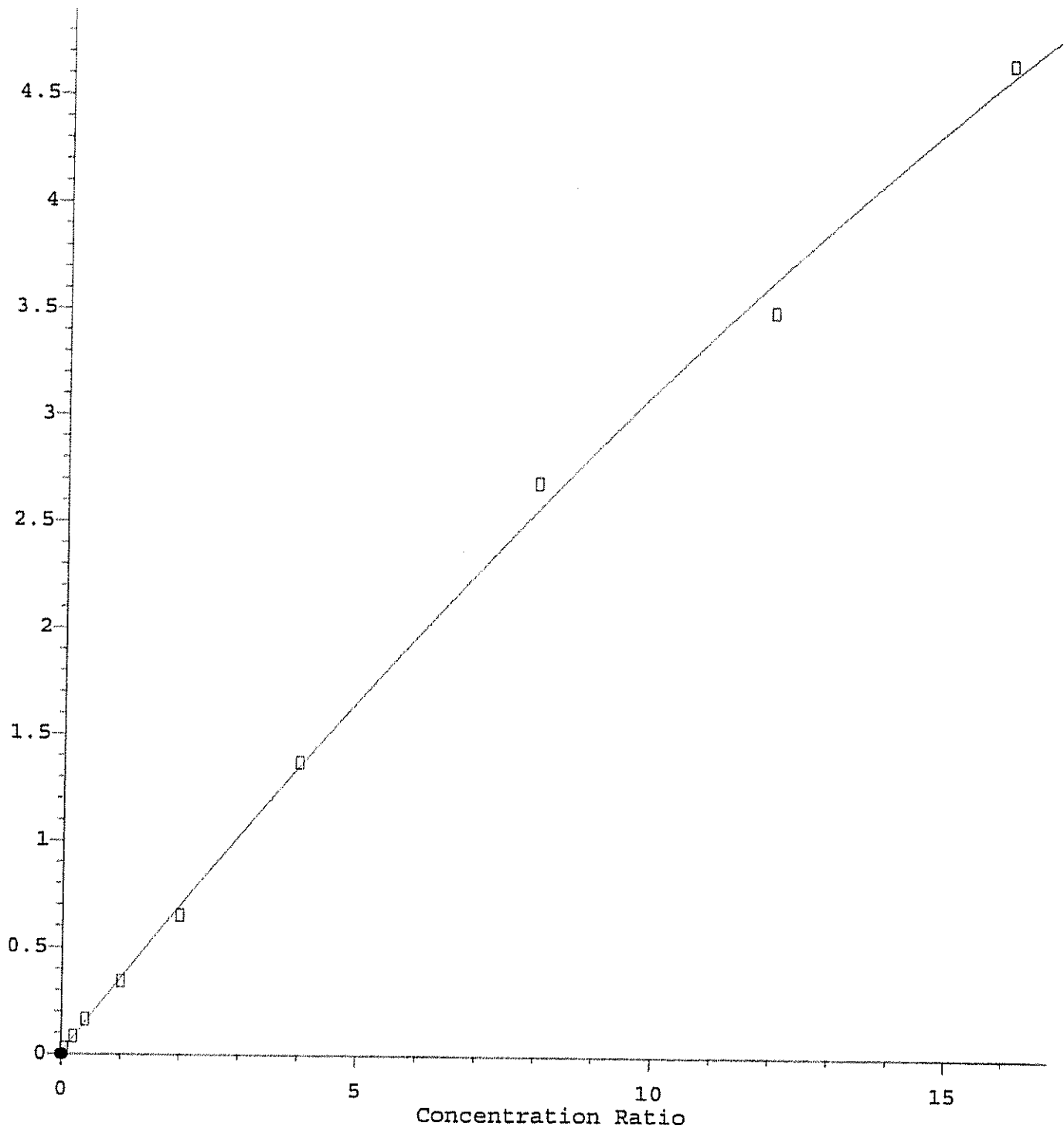
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\methods\V8L00015.M

Calibration Table Last Updated: Thu Sep 15 08:15:23 2016

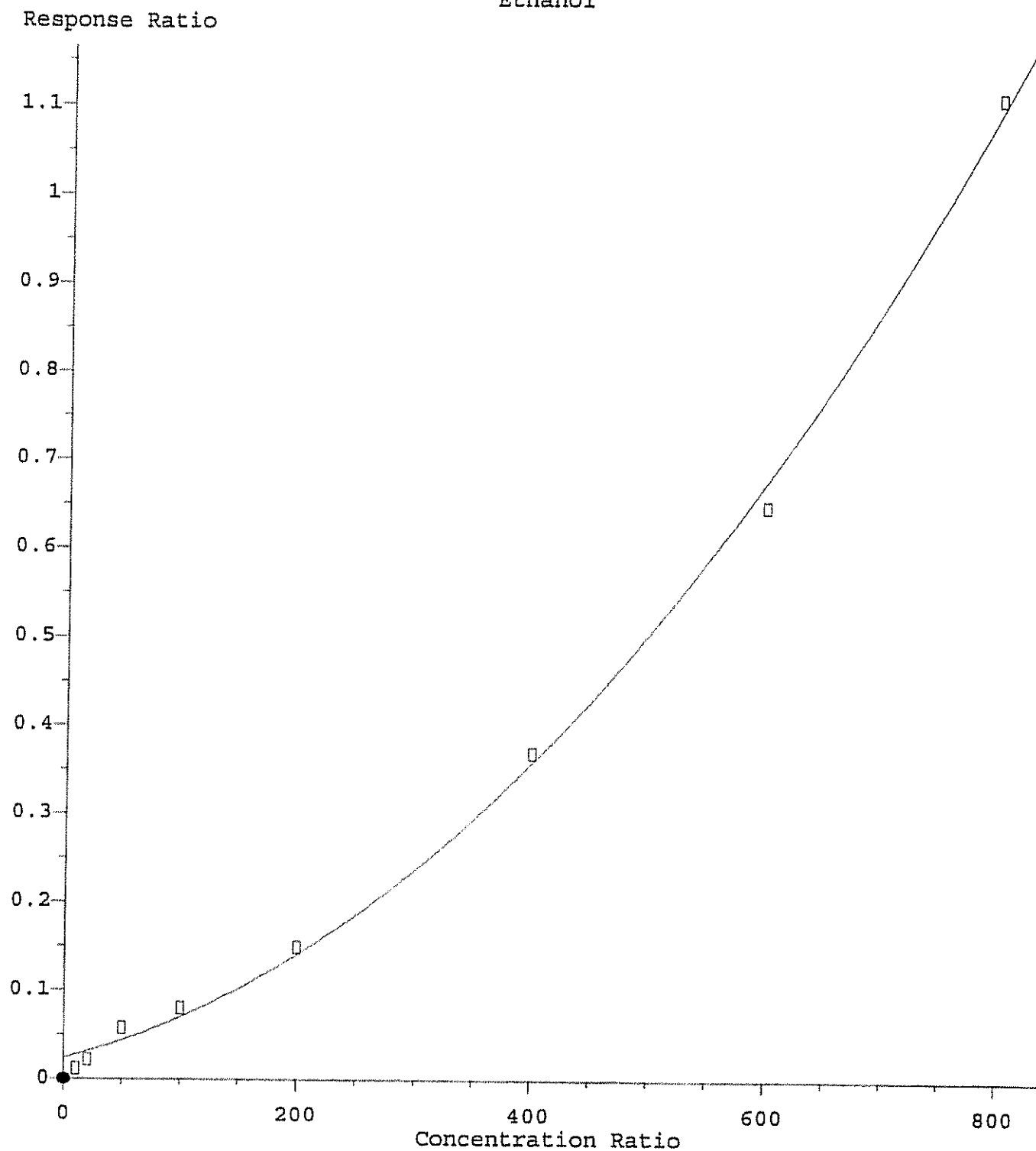
Chloroethane

Response Ratio



$R = -4.02e-003 A^2 + 3.52e-001 A + 9.37e-003$
 Coef of Det (r^2) = 0.998 Curve Fit: Quadratic
 Method Name: C:\msdchem\1\methods\V8LO0015.M
 Calibration Table Last Updated: Thu Sep 15 08:15:23 2016

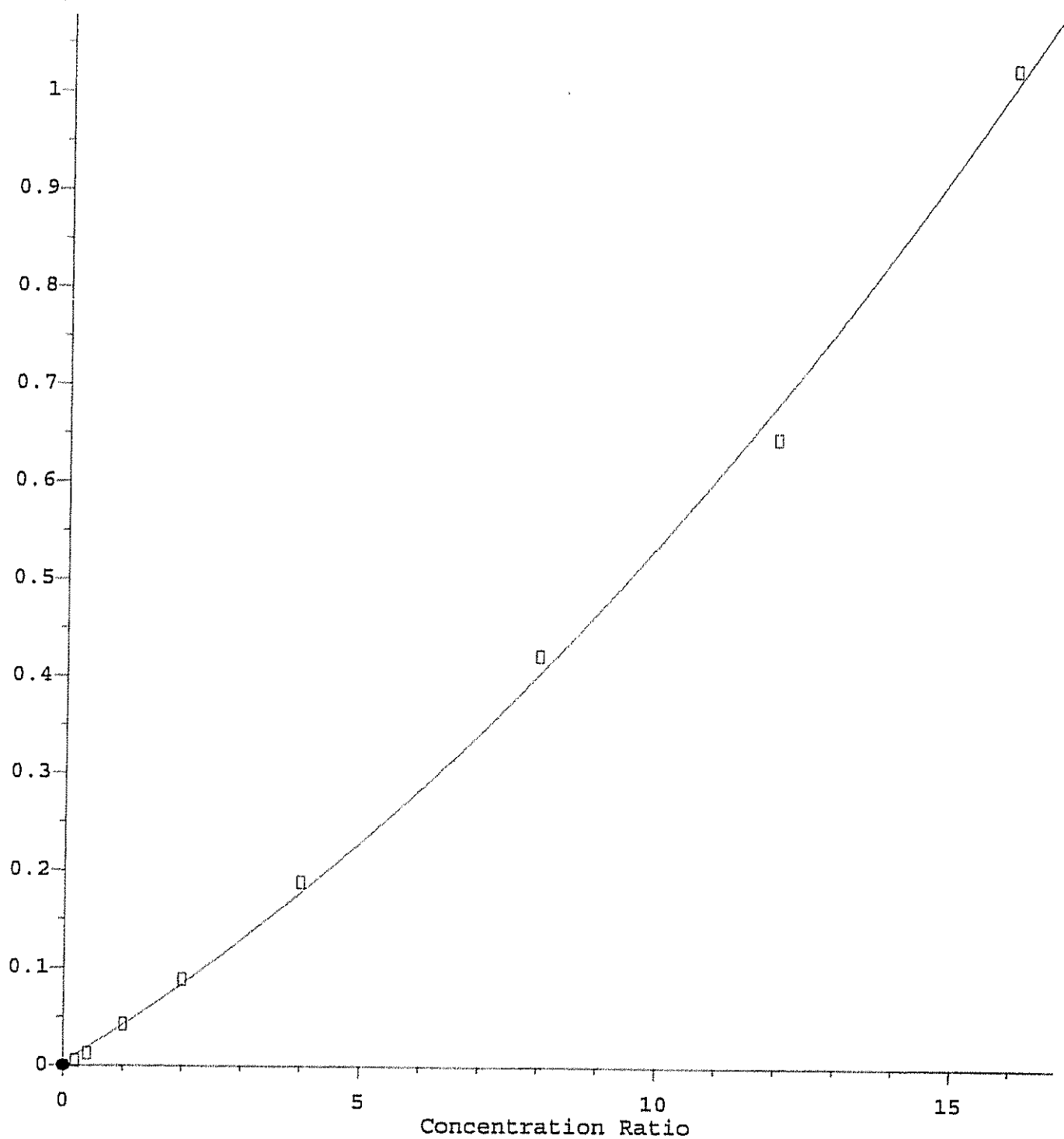
Ethanol



$R = 1.26e-006 A^2 + 3.34e-004 A + 2.41e-002$
 Coef of Det (r^2) = 0.998 Curve Fit: Quadratic
 Method Name: C:\msdchem\1\methods\V8LO0015.M
 Calibration Table Last Updated: Thu Sep 15 08:15:23 2016

Acrolein

Response Ratio



$$R = 1.61e-003 A^2 + 3.73e-002 A + 3.33e-003$$

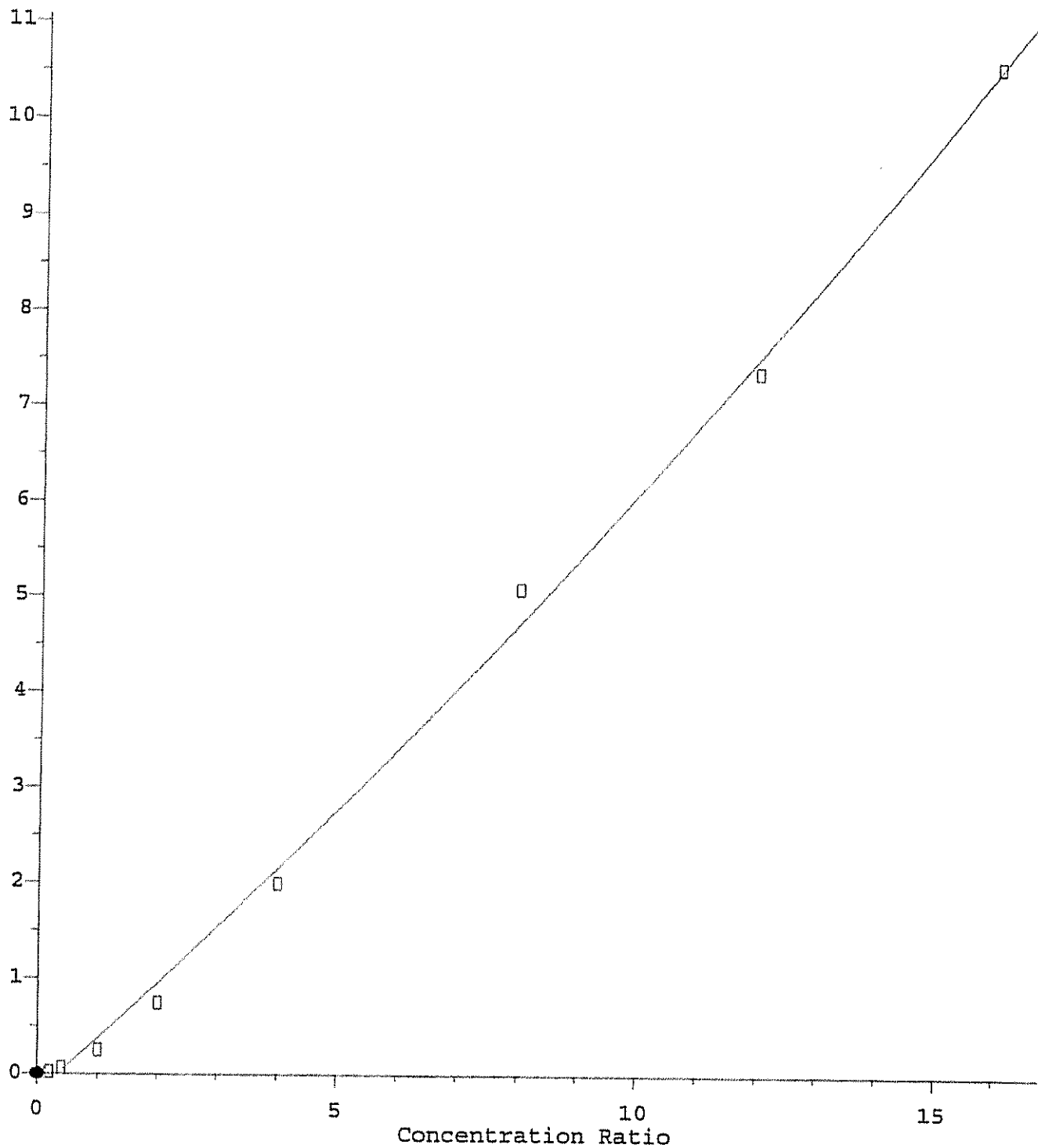
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic

Method Name: C:\msdchem\1\methods\V8LO0015.M

Calibration Table Last Updated: Thu Sep 15 08:15:23 2016

Iodomethane

Response Ratio



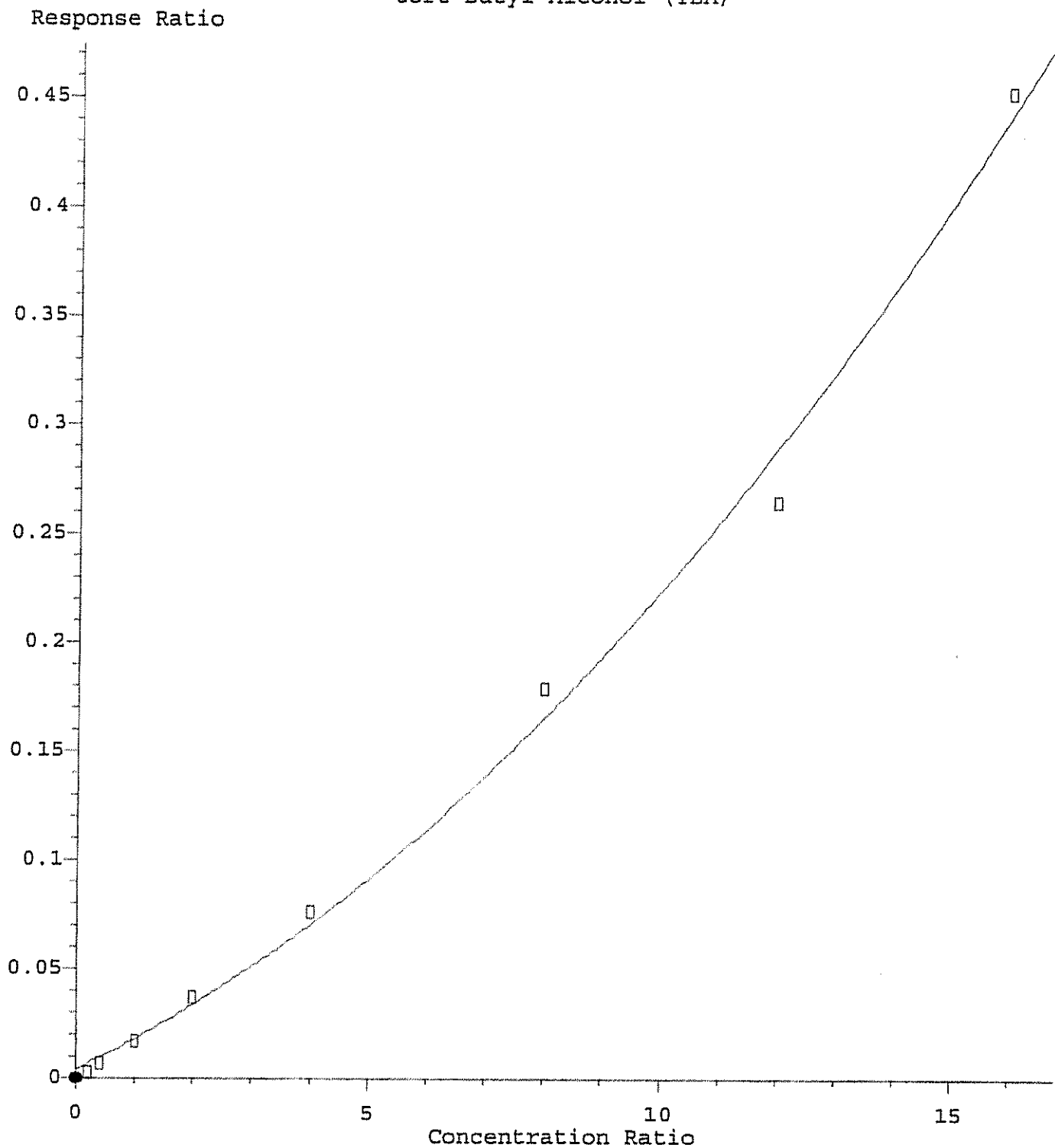
$$R = 7.01e-003 A^2 + 5.58e-001 A - 1.89e-001$$

Coef of Det (r^2) = 0.998 Curve Fit: Quadratic

Method Name: C:\msdchem\1\methods\V8LO0015.M

Calibration Table Last Updated: Thu Sep 15 08:15:23 2016

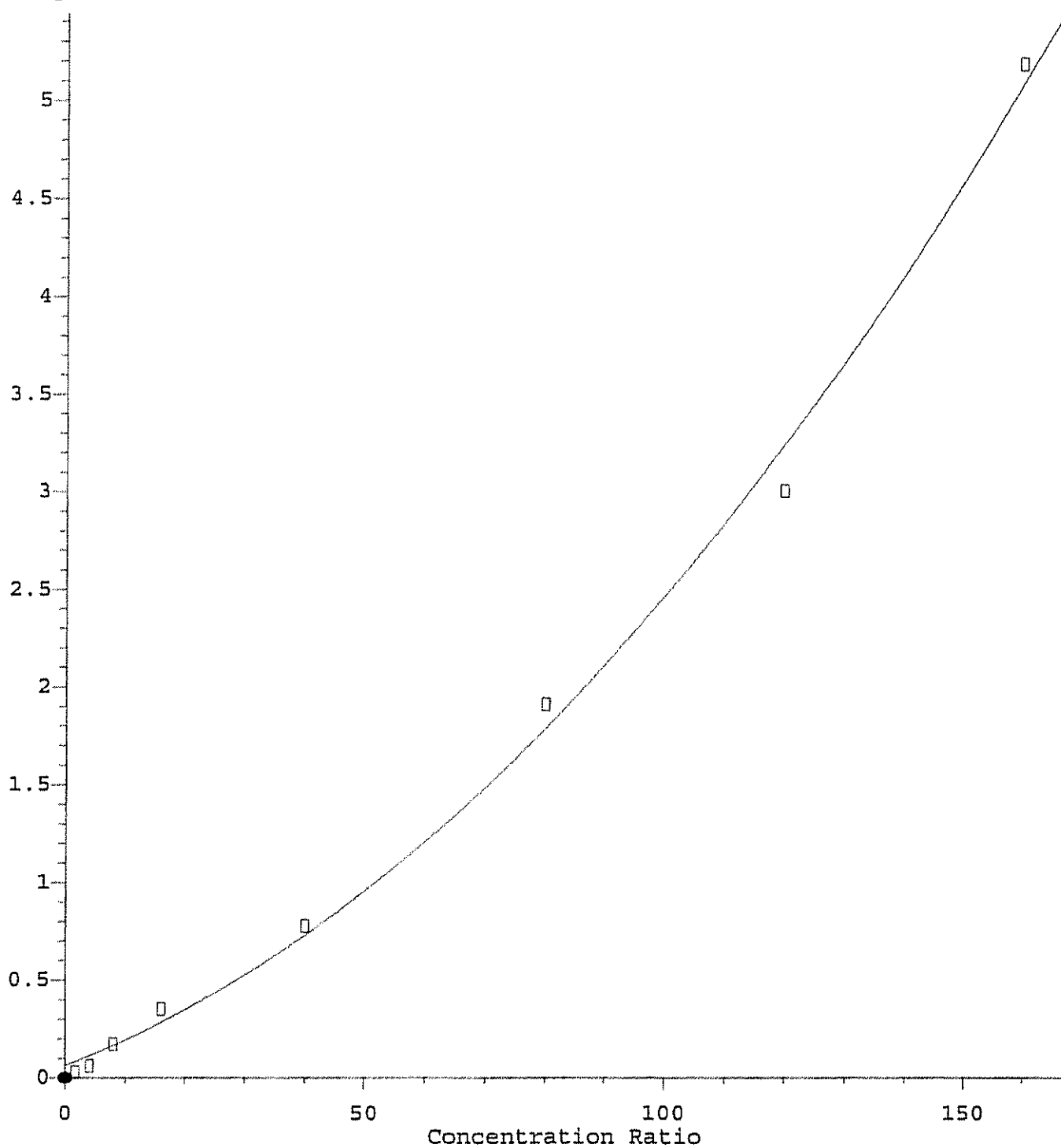
tert-Butyl Alcohol (TBA)



$R = 9.00e-004 A^2 + 1.29e-002 A + 4.20e-003$
 Coef of Det (r^2) = 0.995 Curve Fit: Quadratic
 Method Name: C:\msdchem\1\methods\V8LO0015.M
 Calibration Table Last Updated: Thu Sep 15 08:15:23 2016

tert-Amyl alcohol (TAA)

Response Ratio



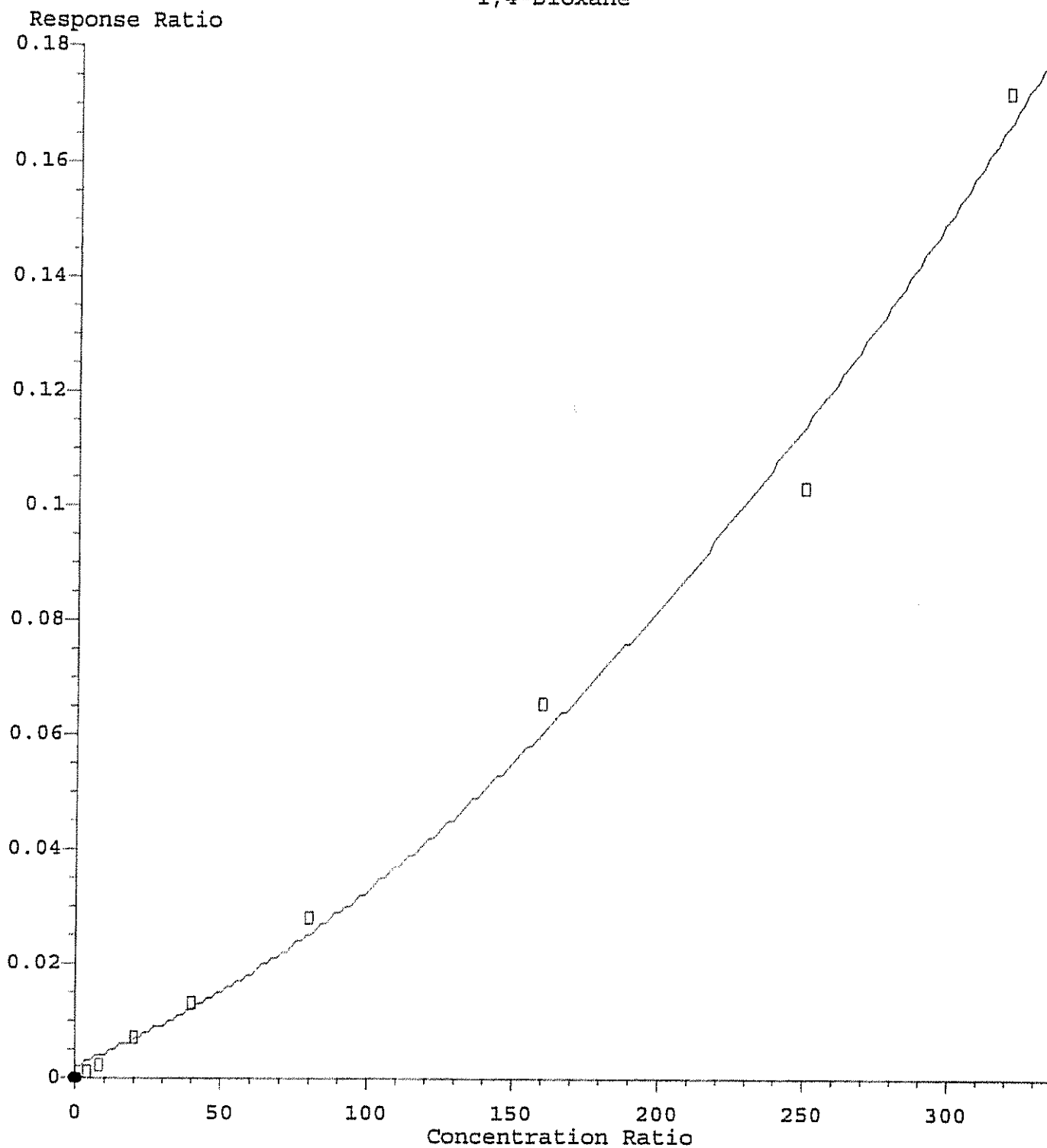
$$R = 1.23e-004 A^2 + 1.17e-002 A + 6.43e-002$$

Coef of Det (r^2) = 0.996 Curve Fit: Quadratic

Method Name: C:\msdchem\1\methods\V8LO0015.M

Calibration Table Last Updated: Thu Sep 15 08:15:23 2016

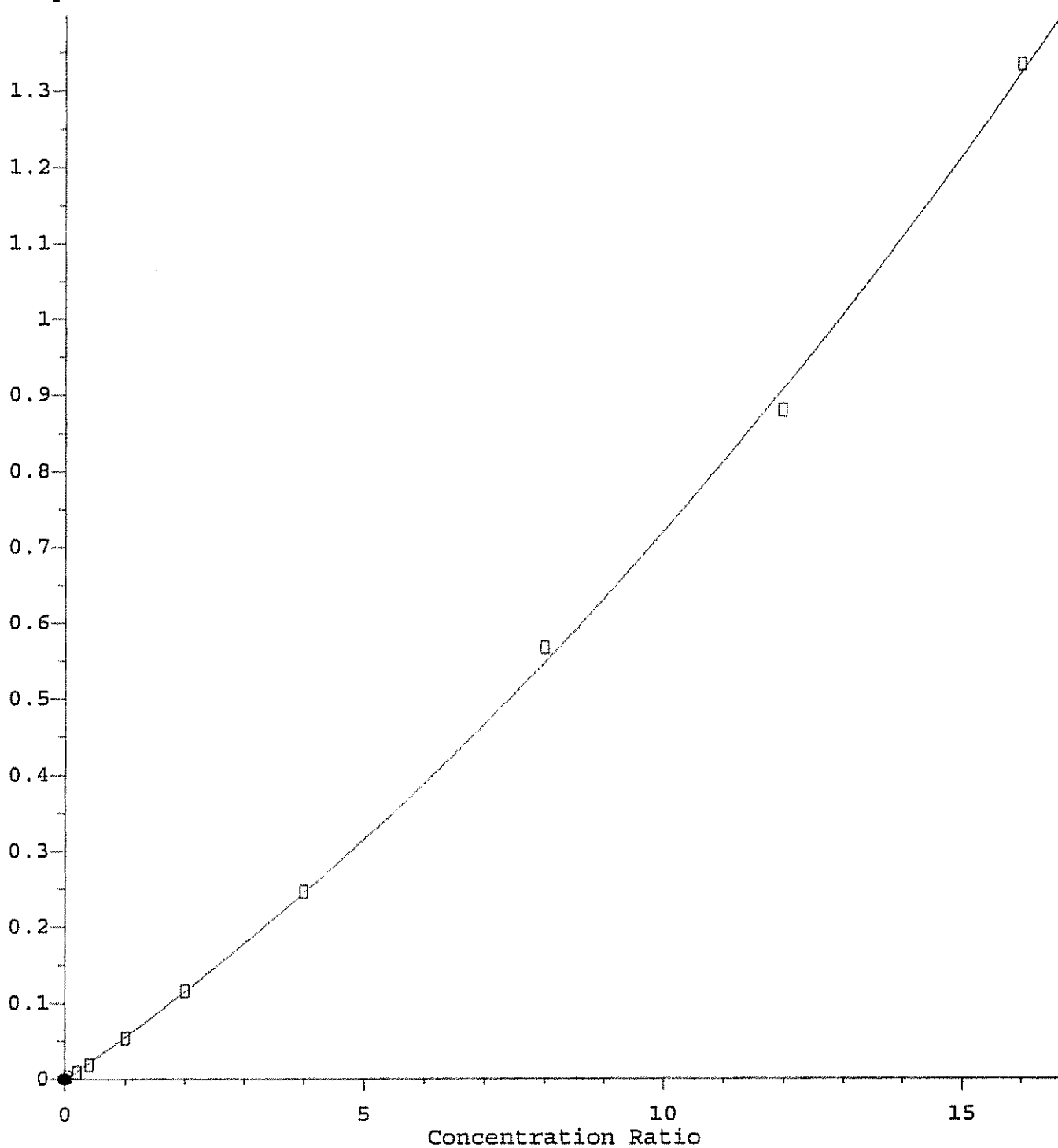
1,4-Dioxane



$R = 9.42e-007 A^2 + 2.13e-004 A + 2.11e-003$
 Coef of Det (r^2) = 0.993 Curve Fit: Quadratic
 Method Name: C:\msdchem\1\methods\V8LO0015.M
 Calibration Table Last Updated: Thu Sep 15 08:15:23 2016

Bromofrom

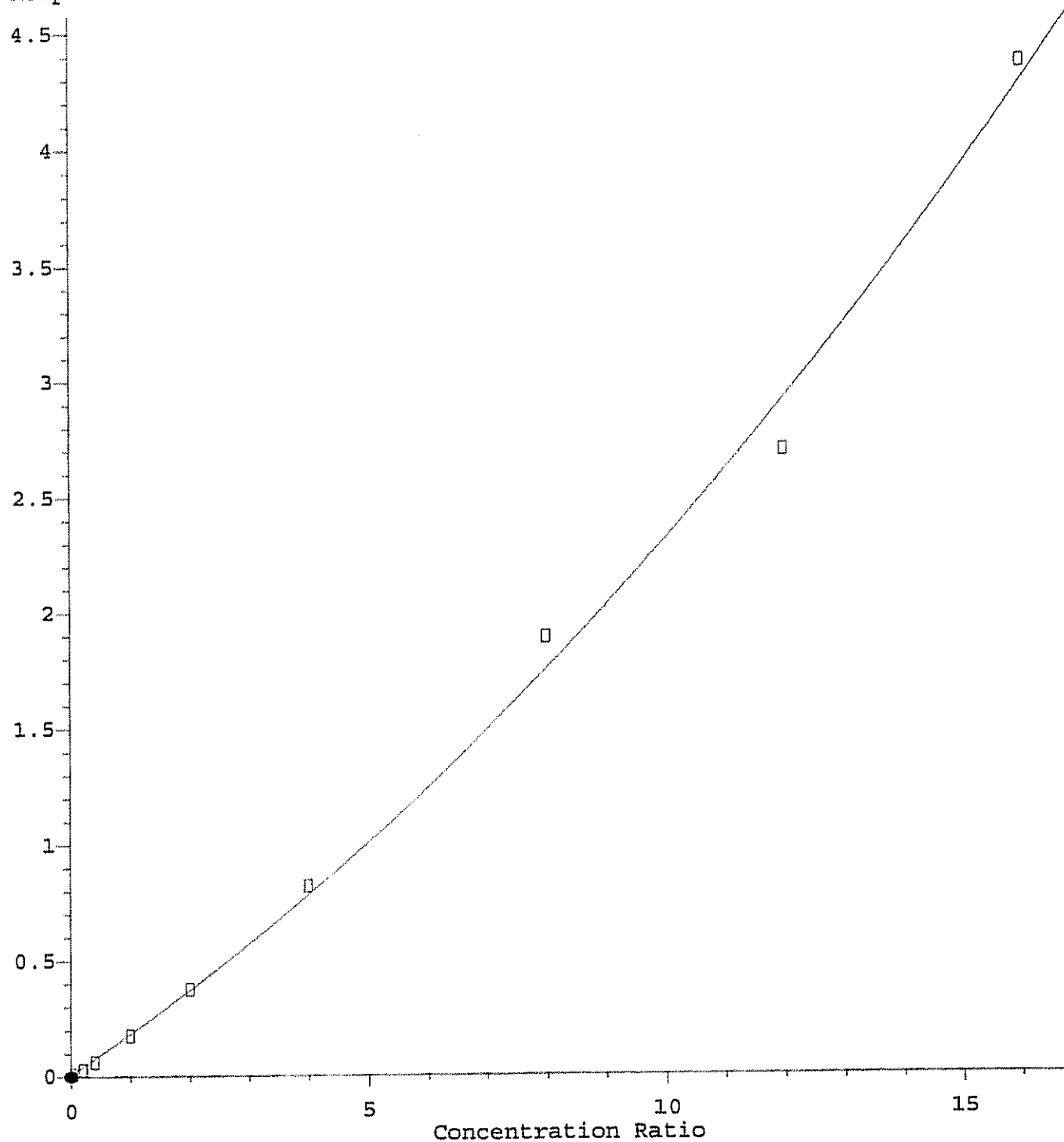
Response Ratio



$R = 1.77e-003 A^2 + 5.43e-002 A - 7.84e-004$
 Coef of Det (r^2) = 0.999 Curve Fit: Quadratic
 Method Name: C:\msdchem\1\methods\V8LO0015.M
 Calibration Table Last Updated: Thu Sep 15 08:15:23 2016

1,2,4-Trichlorobenzene

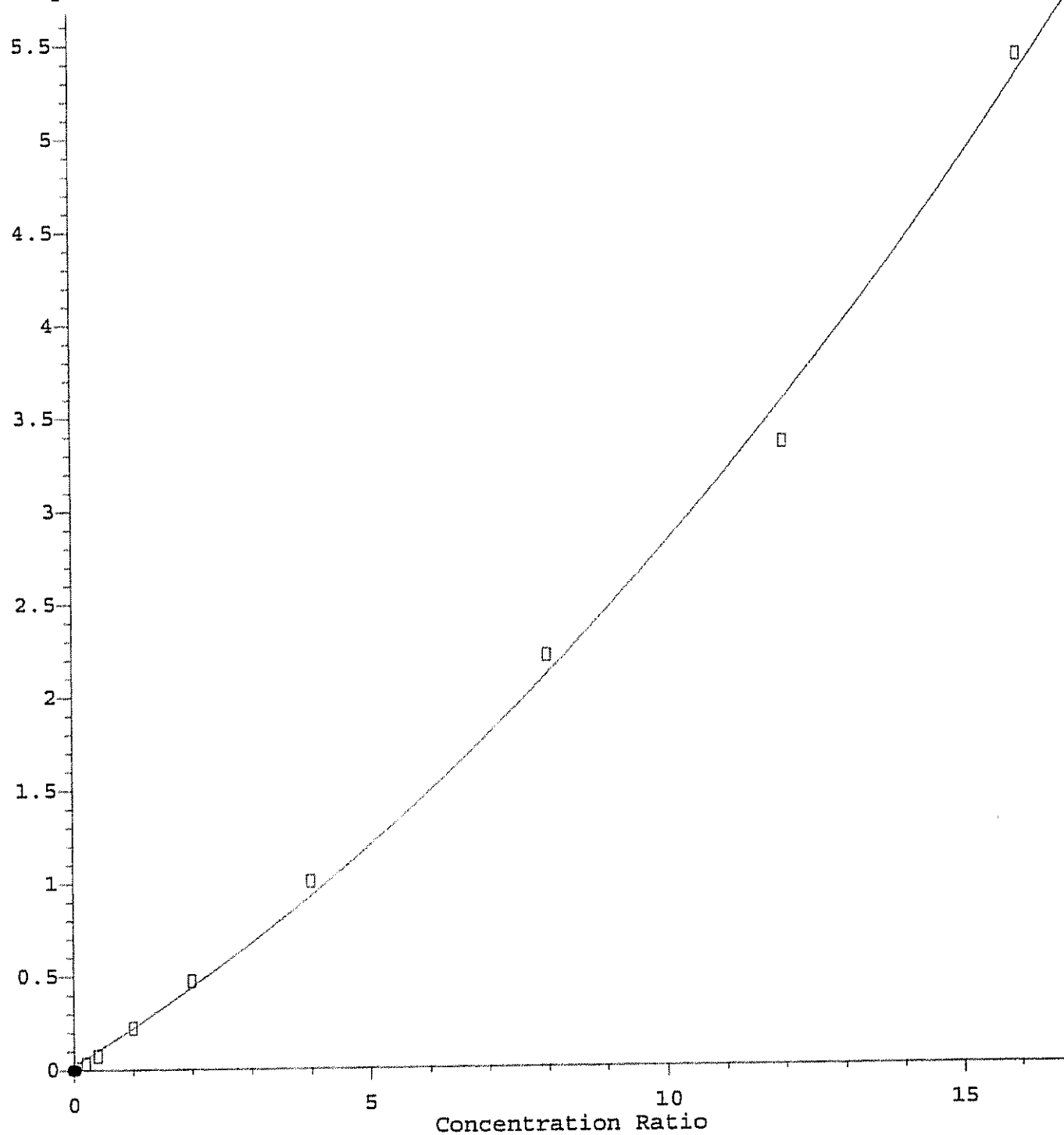
Response Ratio



$R = 6.11e-003 A^2 + 1.69e-001 A + 9.18e-003$
 Coef of Det (r^2) = 0.996 Curve Fit: Quadratic
 Method Name: C:\msdchem\1\methods\V8LO0015.M
 Calibration Table Last Updated: Thu Sep 15 08:15:23 2016

Naphthalene

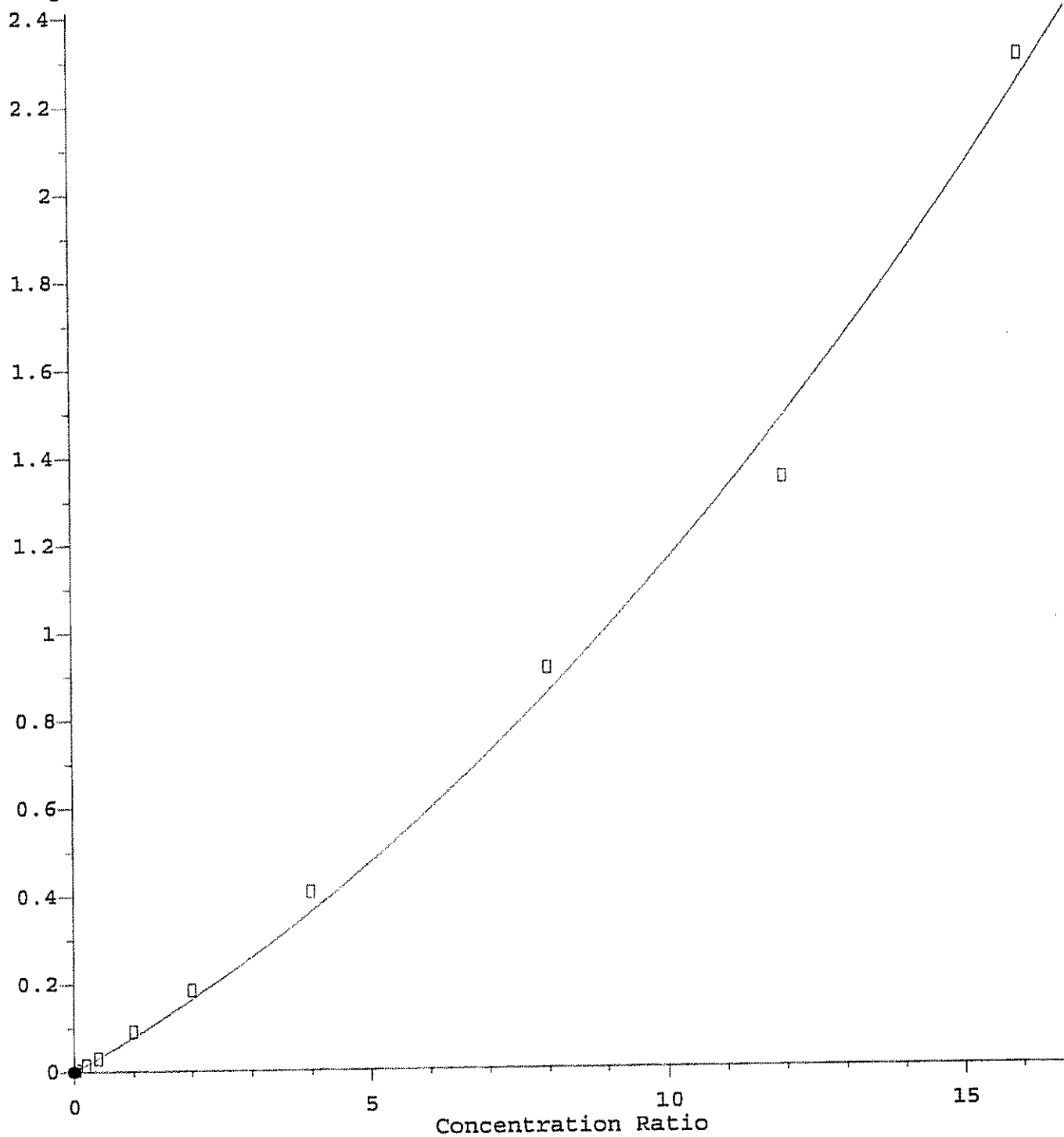
Response Ratio



$R = 8.70e-003 A^2 + 1.91e-001 A + 2.48e-002$
 Coef of Det (r^2) = 0.997 Curve Fit: Quadratic
 Method Name: C:\msdchem\1\methods\V8LO0015.M
 Calibration Table Last Updated: Thu Sep 15 08:15:23 2016

1,2,3-Trichlorobenzene

Response Ratio



$R = 4.14e-003 A^2 + 7.37e-002 A + 0.00e+000$
 Coef of Det (r^2) = 0.994 Curve Fit: Quad/(0,0)
 Method Name: C:\msdchem\1\methods\V8L00015.M
 Calibration Table Last Updated: Thu Sep 15 08:15:23 2016

Quantitation Report (Q1 Reviewed)

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003430.D
 Acq On : 14 Sep 2016 2:01 pm
 Operator : BK
 Sample : SEQ-CAL1
 Misc : V8091416A
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 14 14:26:56 2016
 Quant Method : C:\msdchem\1\methods\V8LO0014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Aug 30 17:00:37 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	6.176	70	136638	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.229	117	639518	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.235	152	248880	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.888	65	148272	9.51	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.10%	
51) Toluene-d8 (SURR)	7.712	98	783533	9.82	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.20%	
70) p-Bromofluorobenzene (...)	10.501	95	285784	11.23	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	112.30%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.744	85	5141	0.54	ppb	# 85
3) Chloromethane	1.959	50	2760	0.28	ppb	# 92
4) Vinyl Chloride	2.074	62	5883	0.62	ppb	# 95
5) Bromomethane	2.447	94	1674	0.71	ppb	100
6) Chloroethane	2.553	64	3853	1.04	ppb	99
7) Trichlorofluoromethane	2.810	101	10422	0.63	ppb	99
9) Freon-113	3.331	101	4911	0.49	ppb	# 51
10) 1,1-Dichloroethylene	3.362	61	7253	0.51	ppb	# 88
12) Acetone	3.468	43	1615	1.31	ppb	96
14) Methyl Acetate	3.780	43	1521	0.46	ppb	# 93
15) Carbon disulfide	3.593	76	14347	0.66	ppb	100
17) Methylene Chloride	3.875	49	7067	0.54	ppb	92
19) trans-1,2-Dichloroethy...	4.120	61	7410	0.54	ppb	97
20) tert-Butyl Methyl Ethe...	4.115	73	7298	0.45	ppb	# 96
21) 1,1-Dichloroethane	4.541	63	10071	0.57	ppb	# 87
22) Vinyl Acetate	4.561	43	6887m	0.28	ppb	
23) Diisopropyl ether (DIPE)	4.550	45	13638	0.40	ppb	97
24) Ethyl-tert-Butyl ether...	4.893	59	10014	0.38	ppb	# 83
25) cis-1,2-Dichloroethylene	5.102	61	8545	0.54	ppb	97
26) 2-Butanone	5.124	72	973m	0.50	ppb	
27) 2,2-Dichloropropane	5.071	77	6123m	0.47	ppb	
29) Bromochloromethane	5.339	49	3665m	0.59	ppb	
30) Chloroform	5.403	83	9674	0.54	ppb	# 69
31) 1,1,1-Trichloroethane	5.551	97	7394	0.46	ppb	# 75
32) Cyclohexane	5.587	56	7873m	0.47	ppb	
33) 1,1-Dichloropropylene	5.704	75	7401	0.55	ppb	# 89
35) Carbon Tetrachloride	5.704	117	5878	0.39	ppb	97

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003430.D
 Acq On : 14 Sep 2016 2:01 pm
 Operator : BK
 Sample : SEQ-CAL1
 Misc : V8091416A
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 14 14:26:56 2016
 Quant Method : C:\msdchem\1\methods\V8LO0014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Aug 30 17:00:37 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) tert-Amyl alcohol (TAA)	5.930	59	876	3.13	ppb	86
37) 1,2-Dichloroethane	5.955	62	4790	0.49	ppb #	85
38) Benzene	5.916	78	23235	0.59	ppb #	1
39) tert-Amyl methyl ether...	5.980	73	7997	Below Cal	#	85
41) Trichloroethylene	6.527	95	6124	0.54	ppb	96
42) Methyl Cyclohexane	6.669	83	7596m	0.45	ppb	
43) Methyl Methacrylate	6.831	69	1198	0.38	ppb #	61
44) Dibromomethane	6.901	93	2001	0.46	ppb #	64
45) Bromodichloromethane	7.043	83	5870	0.49	ppb #	90
46) 1,2-Dichloropropane	6.767	63	5454	0.55	ppb #	85
49) cis-1,3-Dichloropropene	7.467	75	6236	0.46	ppb #	86
52) Toluene	7.782	91	25084	0.55	ppb	98
53) trans-1,3-Dichloropropene	8.030	75	4599m	0.44	ppb	
54) 1,1,2-Trichloroethane	8.222	97	2946	0.48	ppb #	80
55) 1,3-Dichloropropane	8.401	76	4709	0.49	ppb #	72
56) Tetrachloroethylene	8.334	166	6063m	0.49	ppb	
57) 2-Hexanone	8.448	43	1139	0.40	ppb #	65
58) Dibromochloromethane	8.649	129	3390	0.42	ppb	96
59) 1,2-Dibromoethane	8.775	107	2536	0.44	ppb	94
60) Chlorobenzene	9.257	112	15982	0.54	ppb #	35
61) 1,1,1,2-tetrachloroethane	9.346	131	5159m	0.48	ppb	
62) Ethyl Benzene	9.344	91	26113	0.53	ppb	96
63) p- & m-Xylenes	9.466	91	39170	1.04	ppb	95
64) o-Xylene	9.907	91	18390	0.49	ppb	98
65) Styrene	9.932	104	12826	0.46	ppb #	90
66) Bromofrom	10.191	173	1553	1.59	ppb #	82
68) p-Ethyltoluene	10.936	105	18885	0.53	ppb #	79
69) Isopropylbenzene	10.289	105	21944	0.51	ppb #	93
71) 1,1,2,2-Tetrachloroethane	10.674	83	2923	0.56	ppb #	39
72) Bromobenzene	10.676	77	7489	0.57	ppb	88
73) trans-1,4-Dichloro-2-b...	10.727	75	2568m	0.47	ppb	
74) 1,2,3-Trichloropropane	10.735	110	581m	0.41	ppb	
75) n-Propylbenzene	10.743	91	27568	0.54	ppb	98
76) 2-Chlorotoluene	10.874	91	18782	0.55	ppb	98
77) 4-Chlorotoluene	11.000	91	16300	0.55	ppb	98
78) 1,3,5-Trimethylbenzene	10.936	105	18885	0.52	ppb #	95
79) tert-Butylbenzene	11.301	119	14634	0.48	ppb #	94
80) 1,2,4-Trimethylbenzene	11.362	105	17801	0.49	ppb #	81
81) sec-Butylbenzene	11.549	105	20742	0.47	ppb #	92
82) 1,3-Dichlorobenzene	11.719	146	10087	0.49	ppb	97
83) p-Isopropyltoluene	11.711	119	16757	0.43	ppb #	93

Data Path : C:\msdchem\1\data\091416\
Data File : V8003430.D
Acq On : 14 Sep 2016 2:01 pm
Operator : BK
Sample : SEQ-CAL1
Misc : V8091416A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 14 14:26:56 2016
Quant Method : C:\msdchem\1\methods\V8LO0014.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Tue Aug 30 17:00:37 2016
InstName : VOA No. 8
Response via : Initial Calibration

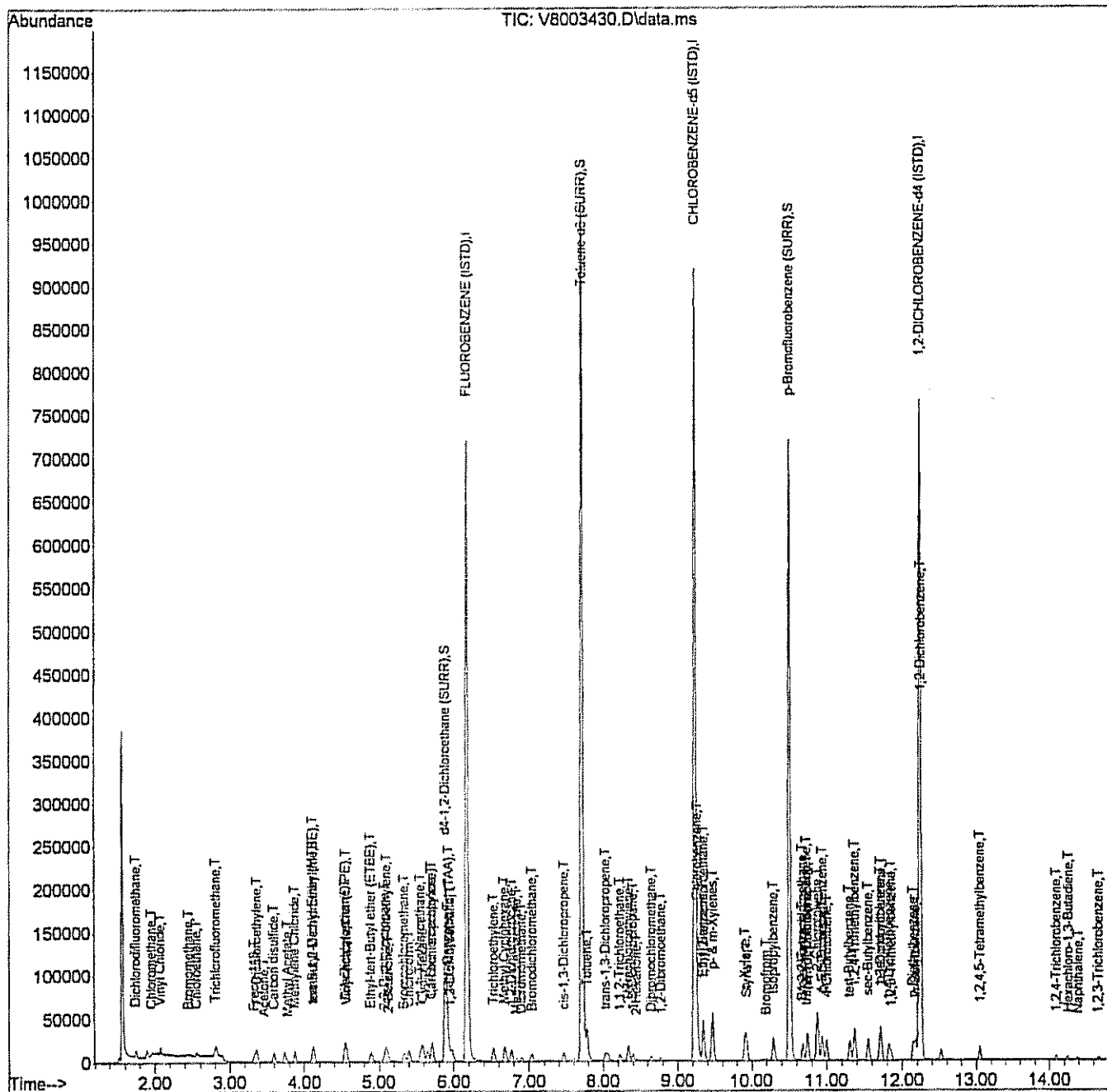
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,4-Dichlorobenzene	11.825	146	9505	0.49	ppb	96
85) 1,2,3-Trimethylbenzene	11.851	105	6536	0.23	ppb #	95
86) p-Diethylbenzene	12.146	105	7963	0.39	ppb #	28
87) 1,2-Dichlorobenzene	12.249	146	8078m	0.50	ppb	
88) n-Butylbenzene	12.180	91	18556	0.47	ppb #	82
90) 1,2,4,5-Tetramethylben...	13.047	119	9664	0.34	ppb	91
91) 1,2,4-Trichlorobenzene	14.090	180	1946	1.08	ppb #	73
92) Hexachloro-1,3-Butadiene	14.249	225	954m	0.33	ppb	
93) Naphthalene	14.385	128	2394	1.24	ppb #	82
94) 1,2,3-Trichlorobenzene	14.656	180	819m	0.31	ppb	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

(UT REVIEWED)

Data Path : C:\msdchem\1\data\091416\
Data File : V8003430.D
Acq On : 14 Sep 2016 2:01 pm
Operator : BK
Sample : SEQ-CAL1
Misc : V8091416A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 14 14:26:56 2016
Quant Method : C:\msdchem\1\methods\V8L00014.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Tue Aug 30 17:00:37 2016
InstName : VOA No. 8
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\091416\
 Data File : V8003431.D
 Acq On : 14 Sep 2016 2:29 pm
 Operator : BK
 Sample : SEQ-CAL2
 Misc : V8091416A
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 14 14:50:14 2016
 Quant Method : C:\msdchem\1\methods\V8LO0014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Aug 30 17:00:37 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	6.176	70	137808	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.227	117	646575	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.235	152	252261	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.886	65	148947	9.48	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.80%		
51) Toluene-d8 (SURR)	7.712	98	800834	9.93	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.30%		
70) p-Bromofluorobenzene (...)	10.501	95	287194	11.13	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	111.30%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.747	85	21147	2.21	ppb	# 85
3) Chloromethane	1.959	50	9485	0.97	ppb	95
4) Vinyl Chloride	2.074	62	23573	2.46	ppb	98
5) Bromomethane	2.447	94	4205	1.78	ppb	94
6) Chloroethane	2.556	64	11443	3.07	ppb	98
7) Trichlorofluoromethane	2.813	101	40779	2.45	ppb	99
8) Ethanol	3.089	45	1596m	Below Cal		
9) Freon-113	3.337	101	20645	2.04	ppb	97
10) 1,1-Dichloroethylene	3.359	61	25270	1.75	ppb	# 87
11) Acrolein	3.301	56	675	1.10	ppb	92
12) Acetone	3.465	43	3438	2.76	ppb	# 94
13) Iodomethane	3.535	142	2714	0.27	ppb	100
14) Methyl Acetate	3.772	43	5988	1.81	ppb	96
15) Carbon disulfide	3.596	76	42355	1.93	ppb	100
16) tert-Butyl Alcohol (TBA)	4.001	59	359m	1.34	ppb	
17) Methylene Chloride	3.872	49	22793	1.72	ppb	93
18) Acrylonitrile	4.151	53	2278	1.61	ppb	# 97
19) trans-1,2-Dichloroethy...	4.121	61	24002	1.73	ppb	97
20) tert-Butyl Methyl Ethe...	4.109	73	27714	1.68	ppb	97
21) 1,1-Dichloroethane	4.544	63	32406	1.81	ppb	99
22) Vinyl Acetate	4.558	43	36165m	1.44	ppb	
23) Diisopropyl ether (DIPE)	4.550	45	58112	1.69	ppb	# 88
24) Ethyl-tert-Butyl ether...	4.893	59	43962	1.64	ppb	# 83
25) cis-1,2-Dichloroethylene	5.099	61	28022	1.74	ppb	98
26) 2-Butanone	5.124	72	1865m	2.45	ppb	
27) 2,2-Dichloropropane	5.080	77	21064	1.60	ppb	# 81
28) Tetrahydrofuran	5.387	42	1921	1.58	ppb	# 50

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003431.D
 Acq On : 14 Sep 2016 2:29 pm
 Operator : BK
 Sample : SEQ-CAL2
 Misc : V8091416A
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 14 14:50:14 2016
 Quant Method : C:\msdchem\1\methods\V8LO0014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Aug 30 17:00:37 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Bromochloromethane	5.342	49	12421	1.97	ppb	96
30) Chloroform	5.401	83	32068	1.78	ppb #	98
31) 1,1,1-Trichloroethane	5.559	97	26568	1.63	ppb #	73
32) Cyclohexane	5.587	56	33106	1.97	ppb	89
33) 1,1-Dichloropropylene	5.704	75	24427	1.79	ppb #	81
35) Carbon Tetrachloride	5.702	117	22040	1.45	ppb	99
36) tert-Amyl alcohol (TAA)	5.916	59	3916	13.85	ppb #	66
37) 1,2-Dichloroethane	5.955	62	16899	1.71	ppb #	86
38) Benzene	5.919	78	73428	1.84	ppb #	14
39) tert-Amyl methyl ether...	5.981	73	34042	0.93	ppb #	87
41) Trichloroethylene	6.524	95	19015	1.66	ppb	94
42) Methyl Cyclohexane	6.675	83	33552	1.96	ppb #	84
43) Methyl Methacrylate	6.831	69	5464	1.70	ppb #	65
44) Dibromomethane	6.904	93	7581	1.72	ppb #	73
45) Bromodichloromethane	7.040	83	20491	1.68	ppb	95
46) 1,2-Dichloropropane	6.767	63	18617	1.85	ppb #	81
47) 1,4-Dioxane	6.918	88	696m	30.10	ppb	
49) cis-1,3-Dichloropropene	7.464	75	22051	1.62	ppb	96
50) 4-Methyl-2-Pentanone	7.595	43	12586	1.57	ppb #	87
52) Toluene	7.779	91	79828	1.72	ppb	98
53) trans-1,3-Dichloropropene	8.027	75	16294	1.54	ppb	98
54) 1,1,2-Trichloroethane	8.223	97	10947	1.78	ppb	91
55) 1,3-Dichloropropane	8.404	76	17364	1.79	ppb #	85
56) Tetrachloroethylene	8.334	166	22015	1.76	ppb #	70
57) 2-Hexanone	8.448	43	4831	1.69	ppb #	88
58) Dibromochloromethane	8.649	129	12031	1.48	ppb	96
59) 1,2-Dibromoethane	8.772	107	10034	1.72	ppb	94
60) Chlorobenzene	9.257	112	50976	1.69	ppb #	84
61) 1,1,1,2-tetrachloroethane	9.344	131	16407	1.51	ppb #	68
62) Ethyl Benzene	9.341	91	84059	1.69	ppb	95
63) p- & m-Xylenes	9.464	91	130384	3.44	ppb	95
64) o-Xylene	9.904	91	62437	1.64	ppb	99
65) Styrene	9.924	104	44678	1.59	ppb #	77
66) Bromofrom	10.183	173	5656	2.63	ppb	99
68) p-Ethyltoluene	10.939	105	63046	1.73	ppb	98
69) Isopropylbenzene	10.292	105	76200	1.74	ppb	96
71) 1,1,2,2-Tetrachloroethane	10.685	83	10716	2.02	ppb #	62
72) Bromobenzene	10.679	77	24455	1.85	ppb	89
73) trans-1,4-Dichloro-2-b...	10.732	75	9595	1.75	ppb #	64
74) 1,2,3-Trichloropropane	10.735	110	2486	1.72	ppb #	1
75) n-Propylbenzene	10.744	91	94951	1.84	ppb #	96

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003431.D
 Acq On : 14 Sep 2016 2:29 pm
 Operator : BK
 Sample : SEQ-CAL2
 Misc : V8091416A
 ALS Vial : 10 Sample Multiplier: 1

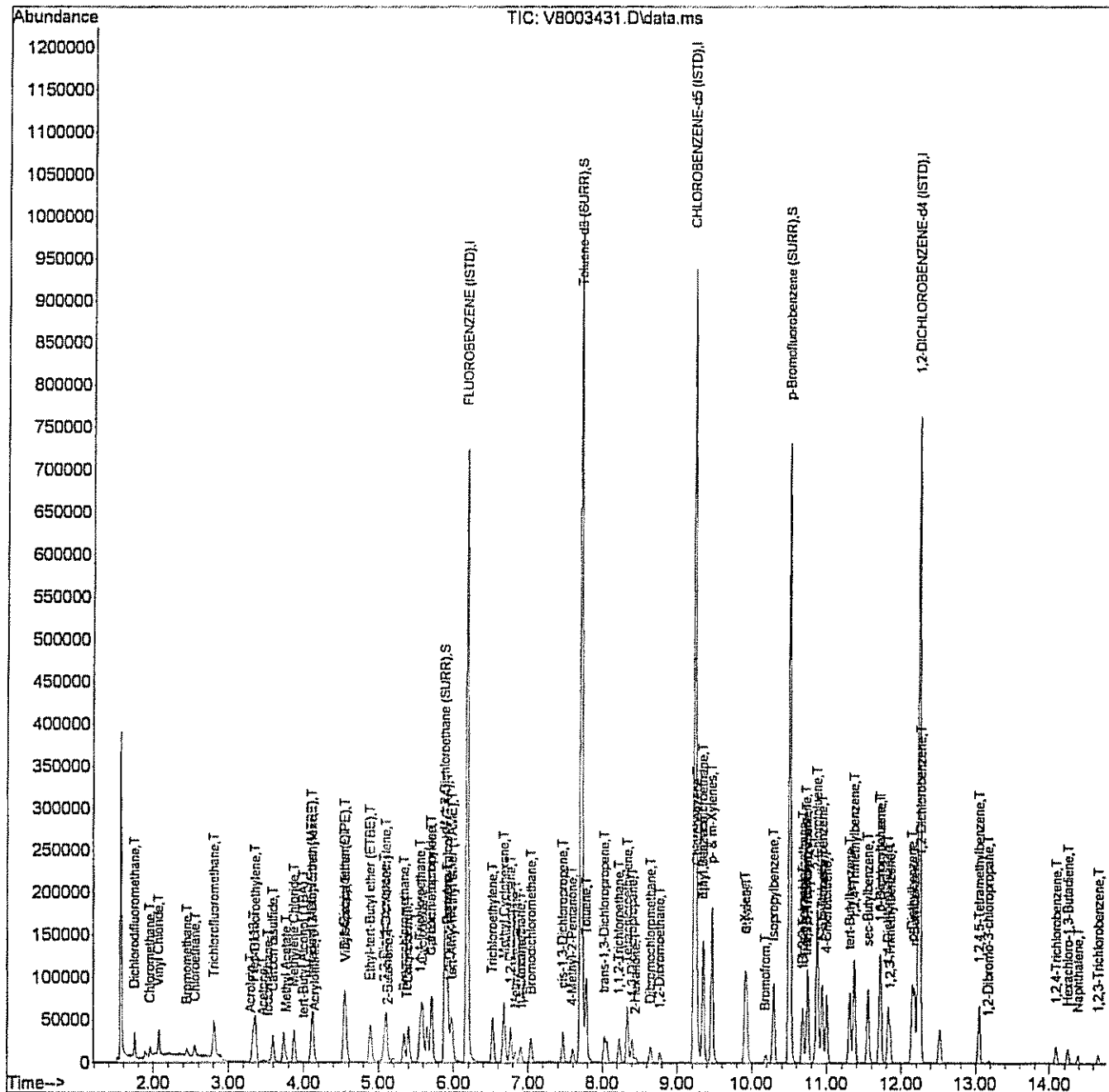
Quant Time: Sep 14 14:50:14 2016
 Quant Method : C:\msdchem\1\methods\V8LO0014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Aug 30 17:00:37 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 2-Chlorotoluene	10.875	91	63503	1.85	ppb	98
77) 4-Chlorotoluene	10.995	91	54423	1.80	ppb	98
78) 1,3,5-Trimethylbenzene	10.939	105	63046	1.72	ppb	96
79) tert-Butylbenzene	11.307	119	50488	1.64	ppb	96
80) 1,2,4-Trimethylbenzene	11.363	105	61732	1.67	ppb #	78
81) sec-Butylbenzene	11.549	105	75046	1.69	ppb	98
82) 1,3-Dichlorobenzene	11.720	146	33365	1.61	ppb	98
83) p-Isopropyltoluene	11.708	119	61637	1.56	ppb	97
84) 1,4-Dichlorobenzene	11.820	146	32091	1.64	ppb	97
85) 1,2,3-Trimethylbenzene	11.856	105	25200	0.87	ppb	97
86) p-Diethylbenzene	12.146	105	34569	1.68	ppb #	34
87) 1,2-Dichlorobenzene	12.258	146	26833	1.65	ppb	94
88) n-Butylbenzene	12.177	91	69467	1.72	ppb #	82
89) 1,2-Dibromo-3-chloropr...	13.167	75	1128	1.94	ppb #	45
90) 1,2,4,5-Tetramethylben...	13.047	119	41755	1.45	ppb	93
91) 1,2,4-Trichlorobenzene	14.090	180	7507	2.05	ppb	98
92) Hexachloro-1,3-Butadiene	14.246	225	3874	1.34	ppb #	89
93) Naphthalene	14.388	128	8665	2.07	ppb	97
94) 1,2,3-Trichlorobenzene	14.667	180	3510	1.31	ppb #	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\091416\
Data File : V8003431.D
Acq On : 14 Sep 2016 2:29 pm
Operator : BK
Sample : SEQ-CAL2
Misc : V8091416A
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 14 14:50:14 2016
Quant Method : C:\msdchem\1\methods\V8L00014.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Tue Aug 30 17:00:37 2016
InstName : VOA No. 8
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\091416\
 Data File : V8003432.D
 Acq On : 14 Sep 2016 2:56 pm
 Operator : BK
 Sample : SEQ-CAL3
 Misc : V8091416A
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 14 16:00:02 2016
 Quant Method : C:\msdchem\1\methods\V8LO0014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Aug 30 17:00:37 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	6.176	70	139829	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.226	117	666272	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.233	152	257240	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.886	65	151165	9.48	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	94.80%	
51) Toluene-d8 (SURR)	7.712	98	820001	9.87	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.70%	
70) p-Bromofluorobenzene (...)	10.501	95	292344	11.11	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	111.10%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.745	85	42986	4.43	ppb	99
3) Chloromethane	1.959	50	22602	2.27	ppb	95
4) Vinyl Chloride	2.074	62	50454	5.19	ppb	98
5) Bromomethane	2.445	94	10771	4.49	ppb	97
6) Chloroethane	2.556	64	22510	5.95	ppb	98
7) Trichlorofluoromethane	2.813	101	83481	4.94	ppb	99
8) Ethanol	3.091	45	3036m	Below	Cal	
9) Freon-113	3.337	101	40494	3.93	ppb	# 67
10) 1,1-Dichloroethylene	3.359	61	54748	3.74	ppb	# 87
11) Acrolein	3.306	56	1754	2.81	ppb	96
12) Acetone	3.465	43	6335	5.02	ppb	# 93
13) Iodomethane	3.535	142	8764	0.86	ppb	100
14) Methyl Acetate	3.769	43	12513m	3.74	ppb	
15) Carbon disulfide	3.596	76	92521	4.16	ppb	100
16) tert-Butyl Alcohol (TBA)	4.023	59	972m	3.58	ppb	
17) Methylene Chloride	3.875	49	47931	3.56	ppb	94
18) Acrylonitrile	4.143	53	4979	3.47	ppb	# 60
19) trans-1,2-Dichloroethy...	4.123	61	53300	3.79	ppb	# 89
20) tert-Butyl Methyl Ethe...	4.109	73	61225	3.66	ppb	98
21) 1,1-Dichloroethane	4.542	63	71803	3.96	ppb	99
22) Vinyl Acetate	4.561	43	82647m	3.24	ppb	
23) Diisopropyl ether (DIPE)	4.544	45	127276	3.64	ppb	97
24) Ethyl-tert-Butyl ether...	4.893	59	94340	3.48	ppb	99
25) cis-1,2-Dichloroethylene	5.099	61	61107	3.75	ppb	# 85
26) 2-Butanone	5.122	72	2831m	4.49	ppb	
27) 2,2-Dichloropropane	5.077	77	46711	3.49	ppb	# 87
28) Tetrahydrofuran	5.389	42	3843	3.12	ppb	83

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003432.D
 Acq On : 14 Sep 2016 2:56 pm
 Operator : BK
 Sample : SEQ-CAL3
 Misc : V8091416A
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 14 16:00:02 2016
 Quant Method : C:\msdchem\1\methods\V8LO0014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Aug 30 17:00:37 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
29) Bromochloromethane	5.336	49	26898	4.21	ppb	96
30) Chloroform	5.403	83	68879	3.76	ppb #	69
31) 1,1,1-Trichloroethane	5.559	97	57910	3.50	ppb	99
32) Cyclohexane	5.585	56	67812	3.98	ppb	91
33) 1,1-Dichloropropylene	5.707	75	51067	3.69	ppb #	76
35) Carbon Tetrachloride	5.704	117	49270	3.19	ppb	99
36) tert-Amyl alcohol (TAA)	5.914	59	8511	29.67	ppb	91
37) 1,2-Dichloroethane	5.964	62	36861	3.68	ppb	99
38) Benzene	5.914	78	161168	3.98	ppb #	60
39) tert-Amyl methyl ether...	5.981	73	69751	2.75	ppb #	95
41) Trichloroethylene	6.522	95	41371	3.51	ppb	93
42) Methyl Cyclohexane	6.678	83	69412	3.94	ppb	95
43) Methyl Methacrylate	6.828	69	11791	3.56	ppb #	76
44) Dibromomethane	6.904	93	16481	3.63	ppb #	71
45) Bromodichloromethane	7.040	83	44322	3.54	ppb	96
46) 1,2-Dichloropropane	6.764	63	38463	3.71	ppb	96
47) 1,4-Dioxane	6.920	88	1505m	63.16	ppb	
49) cis-1,3-Dichloropropene	7.467	75	49436	3.52	ppb	94
50) 4-Methyl-2-Pentanone	7.598	43	26844	3.25	ppb #	87
52) Toluene	7.782	91	173093	3.61	ppb	98
53) trans-1,3-Dichloropropene	8.030	75	36406	3.35	ppb	98
54) 1,1,2-Trichloroethane	8.223	97	23277	3.67	ppb	92
55) 1,3-Dichloropropane	8.401	76	37150	3.71	ppb	96
56) Tetrachloroethylene	8.337	166	49157	3.81	ppb	99
57) 2-Hexanone	8.443	43	10920m	3.70	ppb	
58) Dibromochloromethane	8.644	129	28361	3.39	ppb	96
59) 1,2-Dibromoethane	8.775	107	21333	3.55	ppb	93
60) Chlorobenzene	9.260	112	112319	3.61	ppb	94
61) 1,1,1,2-tetrachloroethane	9.346	131	37844	3.39	ppb	90
62) Ethyl Benzene	9.344	91	190125	3.71	ppb	97
63) p- & m-Xylenes	9.464	91	293425	7.51	ppb	95
64) o-Xylene	9.904	91	141775	3.62	ppb	99
65) Styrene	9.926	104	103024	3.57	ppb #	91
66) Bromofrom	10.186	173	12501	4.28	ppb	98
68) p-Ethyltoluene	10.936	105	143991	3.87	ppb	98
69) Isopropylbenzene	10.292	105	175705	3.93	ppb	96
71) 1,1,2,2-Tetrachloroethane	10.677	83	21833	4.03	ppb #	55
72) Bromobenzene	10.682	77	53427	3.95	ppb	88
73) trans-1,4-Dichloro-2-b...	10.735	75	21431	3.82	ppb #	66
74) 1,2,3-Trichloropropane	10.732	110	5459	3.70	ppb #	7
75) n-Propylbenzene	10.746	91	216676	4.12	ppb	98

Data Path : C:\msdchem\1\data\091416\
Data File : V8003432.D
Acq On : 14 Sep 2016 2:56 pm
Operator : BK
Sample : SEQ-CAL3
Misc : V8091416A
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 14 16:00:02 2016
Quant Method : C:\msdchem\1\methods\V8LO0014.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Tue Aug 30 17:00:37 2016
InstName : VOA No. 8
Response via : Initial Calibration

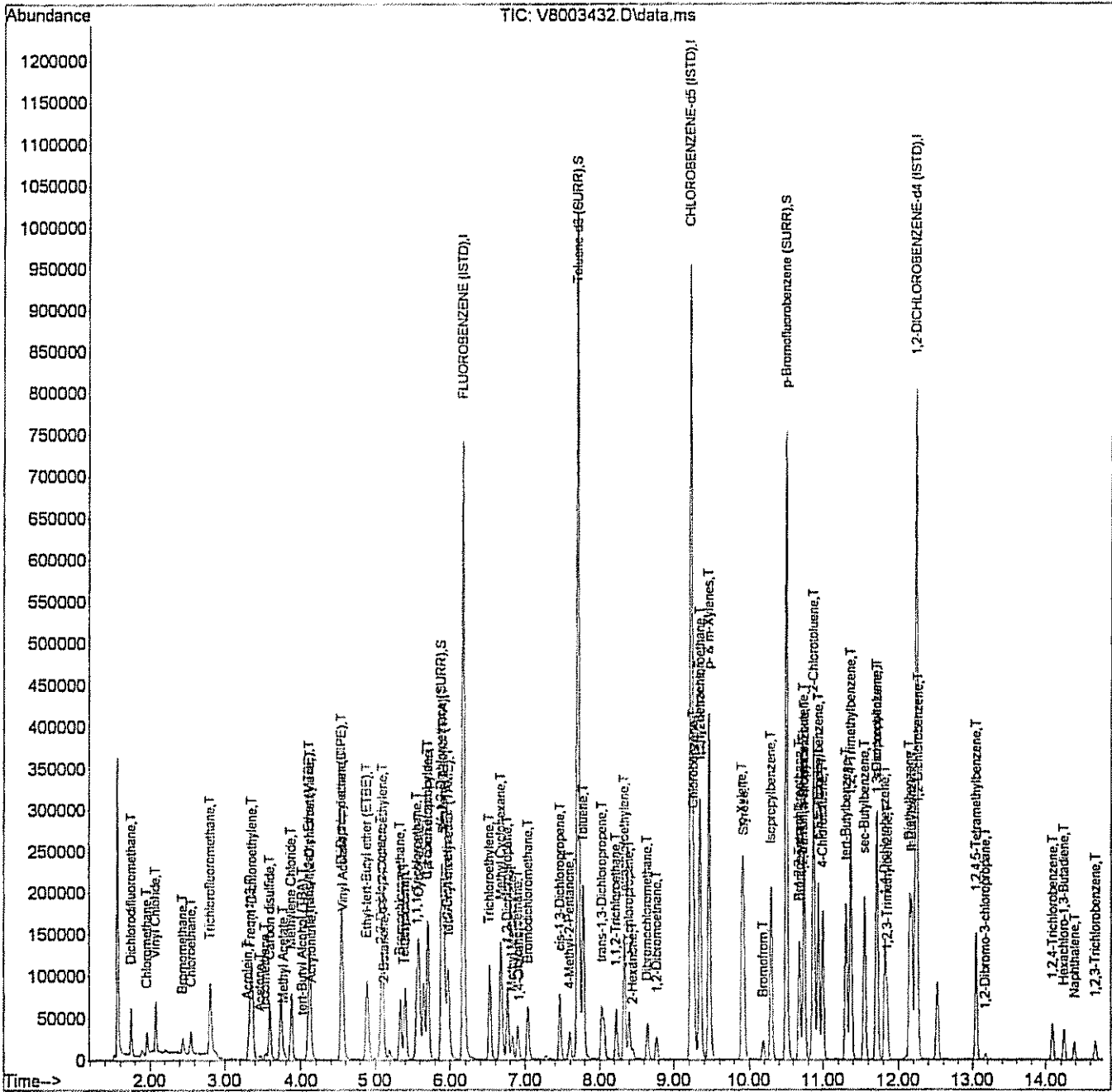
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 2-Chlorotoluene	10.875	91	140352	4.00	ppb	98
77) 4-Chlorotoluene	10.995	91	121815	3.95	ppb	98
78) 1,3,5-Trimethylbenzene	10.936	105	147069m	3.94	ppb	
79) tert-Butylbenzene	11.304	119	115796	3.69	ppb	95
80) 1,2,4-Trimethylbenzene	11.363	105	139881	3.70	ppb	# 77
81) sec-Butylbenzene	11.549	105	170359	3.76	ppb	98
82) 1,3-Dichlorobenzene	11.720	146	73886	3.49	ppb	97
83) p-Isopropyltoluene	11.708	119	142742	3.54	ppb	97
84) 1,4-Dichlorobenzene	11.823	146	69064	3.46	ppb	98
85) 1,2,3-Trimethylbenzene	11.856	105	53012	1.79	ppb	98
86) p-Diethylbenzene	12.146	105	75238	3.59	ppb	# 41
87) 1,2-Dichlorobenzene	12.258	146	57914	3.50	ppb	# 74
88) n-Butylbenzene	12.177	91	155689	3.79	ppb	89
89) 1,2-Dibromo-3-chloropr...	13.170	75	1938	3.28	ppb	# 58
90) 1,2,4,5-Tetramethylben...	13.047	119	92680	3.15	ppb	93
91) 1,2,4-Trichlorobenzene	14.090	180	15941	3.48	ppb	98
92) Hexachloro-1,3-Butadiene	14.240	225	8595	2.91	ppb	96
93) Naphthalene	14.385	128	18863	3.37	ppb	96
94) 1,2,3-Trichlorobenzene	14.664	180	7970	2.91	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

(UT REVIEW)

```
Data Path : C:\msdchem\1\data\091416\  
Data File : V8003432.D  
Acq On    : 14 Sep 2016    2:56 pm  
Operator   : BK  
Sample     : SEQ-CAL3  
Misc       : V8091416A  
ALS Vial   : 11    Sample Multiplier: 1
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Quant Time: Sep 14 16:00:02 2016
Quant Method : C:\msdchem\1\methods\V8L00014.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Tue Aug 30 17:00:37 2016
InstName : VOA No. 8
Response via : Initial Calibration



Quantitation Report (Q1 Reviewed)

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003433.D
 Acq On : 14 Sep 2016 3:24 pm
 Operator : BK
 Sample : SEQ-CAL4
 Misc : V8091416A
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 14 16:01:53 2016
 Quant Method : C:\msdchem\1\methods\V8LO0014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Aug 30 17:00:37 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	6.178	70	142773	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.229	117	678561	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.235	152	275289	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.886	65	154008	9.46	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.60%		
51) Toluene-d8 (SURR)	7.715	98	820885	9.70	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.00%		
70) p-Bromofluorobenzene (...)	10.501	95	299820	10.65	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	106.50%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.747	85	104661	10.56	ppb	99
3) Chloromethane	1.959	50	60827	5.98	ppb	94
4) Vinyl Chloride	2.074	62	121399	12.24	ppb	98
5) Bromomethane	2.444	94	26655	10.88	ppb	95
6) Chloroethane	2.553	64	49020	12.69	ppb	99
7) Trichlorofluoromethane	2.807	101	186127	10.78	ppb	99
8) Ethanol	3.089	45	8193m	260.14	ppb	
9) Freon-113	3.340	101	97857	9.31	ppb	# 67
10) 1,1-Dichloroethylene	3.359	61	145257	9.71	ppb	# 89
11) Acrolein	3.301	56	6017	9.43	ppb	93
12) Acetone	3.468	43	19417	15.07	ppb	100
13) Iodomethane	3.538	142	35429	3.41	ppb	98
14) Methyl Acetate	3.772	43	30459	8.91	ppb	100
15) Carbon disulfide	3.596	76	240234	10.58	ppb	100
16) tert-Butyl Alcohol (TBA)	4.009	59	2402	8.67	ppb	# 97
17) Methylene Chloride	3.875	49	127547	9.29	ppb	93
18) Acrylonitrile	4.145	53	13801	9.43	ppb	# 60
19) trans-1,2-Dichloroethy...	4.120	61	141487	9.85	ppb	98
20) tert-Butyl Methyl Ethe...	4.104	73	170476	9.98	ppb	# 93
21) 1,1-Dichloroethane	4.541	63	192186	10.39	ppb	99
22) Vinyl Acetate	4.567	43	221551m	8.49	ppb	
23) Diisopropyl ether (DIPE)	4.547	45	323328	9.06	ppb	# 88
24) Ethyl-tert-Butyl ether...	4.893	59	249228	9.00	ppb	99
25) cis-1,2-Dichloroethylene	5.099	61	166940	10.02	ppb	98
26) 2-Butanone	5.122	72	7100	13.35	ppb	94
27) 2,2-Dichloropropane	5.082	77	127233	9.30	ppb	# 75
28) Tetrahydrofuran	5.384	42	12224	9.72	ppb	83

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003433.D
 Acq On : 14 Sep 2016 3:24 pm
 Operator : BK
 Sample : SEQ-CAL4
 Misc : V8091416A
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 14 16:01:53 2016
 Quant Method : C:\msdchem\1\methods\V8LO0014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Aug 30 17:00:37 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Bromochloromethane	5.339	49	69575	10.68	ppb	96
30) Chloroform	5.403	83	186261	9.95	ppb #	96
31) 1,1,1-Trichloroethane	5.557	97	158253	9.37	ppb #	73
32) Cyclohexane	5.584	56	170769	9.81	ppb #	67
33) 1,1-Dichloropropylene	5.707	75	141320	10.01	ppb #	75
35) Carbon Tetrachloride	5.707	117	138098	8.76	ppb	99
36) tert-Amyl alcohol (TAA)	5.911	59	24568	83.88	ppb	89
37) 1,2-Dichloroethane	5.958	62	98283	9.60	ppb	99
38) Benzene	5.916	78	427919	10.35	ppb #	95
39) tert-Amyl methyl ether...	5.975	73	189839	8.70	ppb #	91
41) Trichloroethylene	6.524	95	110069	9.17	ppb	92
42) Methyl Cyclohexane	6.672	83	171799	9.58	ppb	95
43) Methyl Methacrylate	6.828	69	34203	10.15	ppb #	67
44) Dibromomethane	6.903	93	44734	9.68	ppb	96
45) Bromodichloromethane	7.040	83	124100	9.72	ppb	96
46) 1,2-Dichloropropane	6.764	63	105773	10.02	ppb	95
47) 1,4-Dioxane	6.912	88	4789m	197.35	ppb	
49) cis-1,3-Dichloropropene	7.464	75	142715	9.98	ppb	96
50) 4-Methyl-2-Pentanone	7.598	43	74940	8.91	ppb #	88
52) Toluene	7.782	91	465627	9.54	ppb	98
53) trans-1,3-Dichloropropene	8.027	75	106536	9.61	ppb #	92
54) 1,1,2-Trichloroethane	8.225	97	62519	9.67	ppb	92
55) 1,3-Dichloropropane	8.401	76	103016	10.10	ppb #	76
56) Tetrachloroethylene	8.337	166	128008	9.75	ppb #	70
57) 2-Hexanone	8.448	43	35227	11.73	ppb #	89
58) Dibromochloromethane	8.646	129	78967	9.26	ppb	97
59) 1,2-Dibromoethane	8.775	107	58473	9.54	ppb	93
60) Chlorobenzene	9.260	112	303373	9.57	ppb	92
61) 1,1,1,2-tetrachloroethane	9.344	131	104633	9.20	ppb	93
62) Ethyl Benzene	9.344	91	517094	9.90	ppb	96
63) p- & m-Xylenes	9.463	91	798510	20.06	ppb	95
64) o-Xylene	9.904	91	392805	9.86	ppb	99
65) Styrene	9.926	104	287554	9.77	ppb #	77
66) Bromofrom	10.183	173	36602	10.01	ppb	98
68) p-Ethyltoluene	10.933	105	388081m	9.76	ppb	
69) Isopropylbenzene	10.292	105	492021	10.28	ppb	96
71) 1,1,2,2-Tetrachloroethane	10.679	83	62622	10.81	ppb #	76
72) Bromobenzene	10.679	77	150113	10.38	ppb	90
73) trans-1,4-Dichloro-2-b...	10.732	75	61749	10.29	ppb #	69
74) 1,2,3-Trichloropropane	10.732	110	15743	9.96	ppb #	5
75) n-Propylbenzene	10.746	91	592588	10.52	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091416\
Data File : V8003433.D
Acq On : 14 Sep 2016 3:24 pm
Operator : BK
Sample : SEQ-CAL4
Misc : V8091416A
ALS Vial : 12 Sample Multiplier: 1

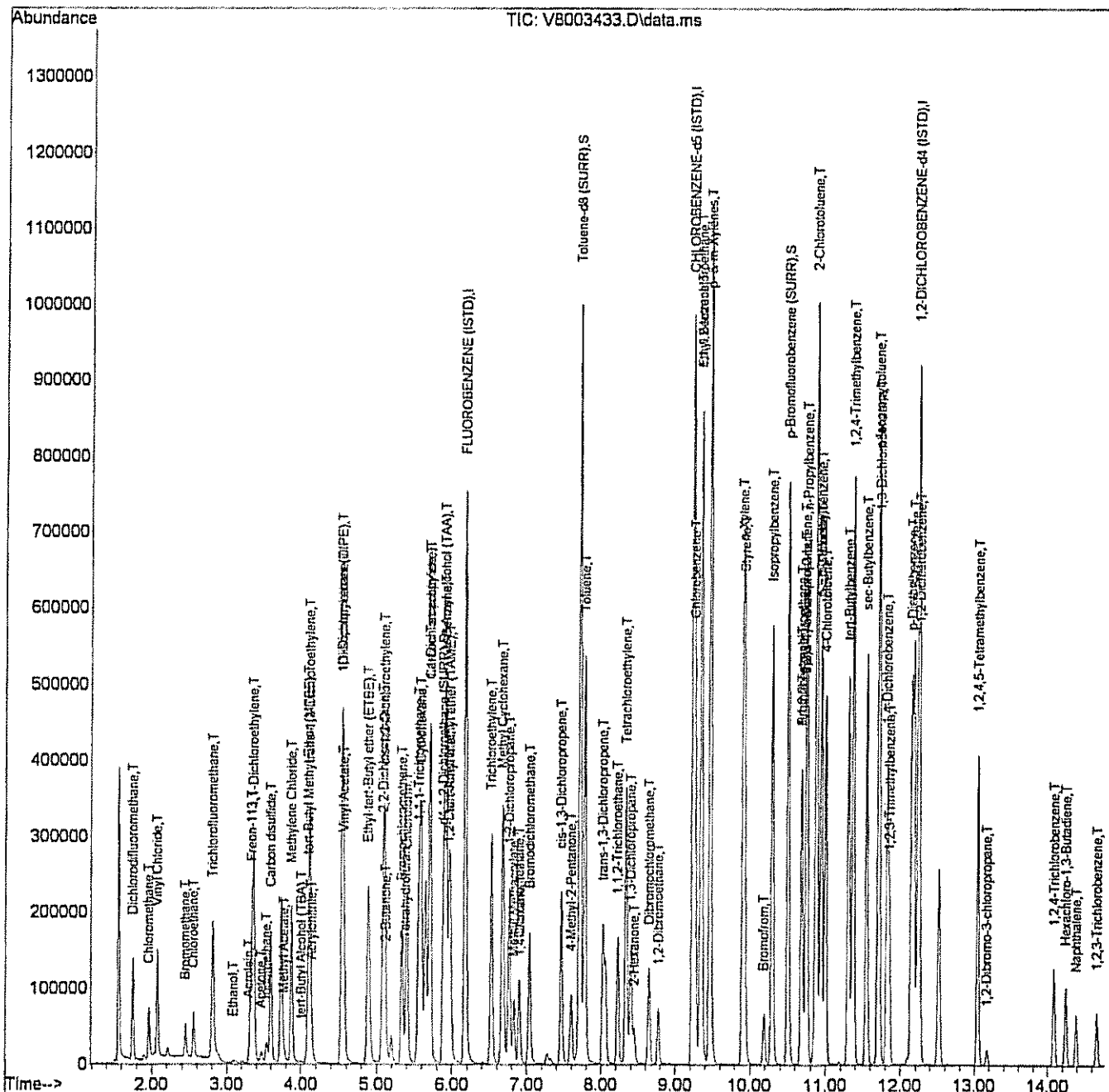
Quant Time: Sep 14 16:01:53 2016
Quant Method : C:\msdchem\1\methods\V8LO0014.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Tue Aug 30 17:00:37 2016
InstName : VOA No. 8
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 2-Chlorotoluene	10.874	91	380058	10.13	ppb	98
77) 4-Chlorotoluene	10.994	91	331608	10.06	ppb	98
78) 1,3,5-Trimethylbenzene	10.933	105	389698	9.76	ppb	95
79) tert-Butylbenzene	11.307	119	325632	9.69	ppb	95
80) 1,2,4-Trimethylbenzene	11.362	105	392676	9.71	ppb #	77
81) sec-Butylbenzene	11.549	105	478712	9.86	ppb	98
82) 1,3-Dichlorobenzene	11.722	146	207950	9.17	ppb	98
83) p-Isopropyltoluene	11.705	119	409309	9.49	ppb	96
84) 1,4-Dichlorobenzene	11.823	146	196648	9.20	ppb	98
85) 1,2,3-Trimethylbenzene	11.853	105	145918	4.60	ppb	98
86) p-Diethylbenzene	12.146	105	201469	8.98	ppb #	38
87) 1,2-Dichlorobenzene	12.255	146	162475	9.16	ppb #	75
88) n-Butylbenzene	12.177	91	429551	9.76	ppb	90
89) 1,2-Dibromo-3-chloropr...	13.169	75	5780	9.13	ppb #	57
90) 1,2,4,5-Tetramethylben...	13.044	119	259182	8.24	ppb	93
91) 1,2,4-Trichlorobenzene	14.090	180	48404	8.46	ppb	98
92) Hexachloro-1,3-Butadiene	14.246	225	24295	7.68	ppb	96
93) Naphthalene	14.385	128	61429	8.36	ppb	98
94) 1,2,3-Trichlorobenzene	14.661	180	24880	8.50	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\091416\
Data File : V8003433.D
Acq On : 14 Sep 2016 3:24 pm
Operator : BK
Sample : SEQ-CAL4
Misc : V8091416A
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 14 16:01:53 2016
Quant Method : C:\msdchem\1\methods\V8LO0014.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Tue Aug 30 17:00:37 2016
InstName : VOA No. 8
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\091416\
 Data File : V8003434.D
 Acq On : 14 Sep 2016 3:52 pm
 Operator : BK
 Sample : SEQ-CAL5
 Misc : V8091416A
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 14 16:40:30 2016
 Quant Method : C:\msdchem\1\methods\V8LO0014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Aug 30 17:00:37 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	6.176	70	144282	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.229	117	693079	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.235	152	291687	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.886	65	151419	9.20	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	92.00%		
51) Toluene-d8 (SURR)	7.712	98	832545	9.63	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.30%		
70) p-Bromofluorobenzene (...)	10.498	95	305811	10.25	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.50%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.744	85	199512	19.91	ppb	99
3) Chloromethane	1.959	50	138840	13.50	ppb	94
4) Vinyl Chloride	2.073	62	244799	24.43	ppb	# 89
5) Bromomethane	2.444	94	62767	25.35	ppb	95
6) Chloroethane	2.556	64	93934	24.07	ppb	99
7) Trichlorofluoromethane	2.810	101	352372	20.19	ppb	99
8) Ethanol	3.086	45	11547	507.70	ppb	100
9) Freon-113	3.337	101	194559	18.32	ppb	98
10) 1,1-Dichloroethylene	3.362	61	288829	19.11	ppb	# 89
11) Acrolein	3.303	56	12814	19.88	ppb	94
12) Acetone	3.465	43	35060	26.92	ppb	99
13) Iodomethane	3.540	142	107169	10.21	ppb	100
14) Methyl Acetate	3.763	43	61601	17.83	ppb	100
15) Carbon disulfide	3.593	76	470311	20.49	ppb	100
16) tert-Butyl Alcohol (TBA)	4.003	59	5346m	19.09	ppb	
17) Methylene Chloride	3.875	49	254049	18.31	ppb	94
18) Acrylonitrile	4.143	53	27709	18.73	ppb	# 60
19) trans-1,2-Dichloroethy...	4.123	61	281471	19.40	ppb	# 89
20) tert-Butyl Methyl Ethe...	4.104	73	355652	20.61	ppb	98
21) 1,1-Dichloroethane	4.541	63	392706	21.00	ppb	# 88
22) Vinyl Acetate	4.561	43	450385m	17.09	ppb	
23) Diisopropyl ether (DIPE)	4.544	45	664135	18.42	ppb	97
24) Ethyl-tert-Butyl ether...	4.893	59	514955	18.40	ppb	# 83
25) cis-1,2-Dichloroethylene	5.099	61	340531	20.23	ppb	98
26) 2-Butanone	5.121	72	13420	26.04	ppb	83
27) 2,2-Dichloropropane	5.080	77	260365	18.84	ppb	# 83
28) Tetrahydrofuran	5.386	42	23452	18.45	ppb	87

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003434.D
 Acq On : 14 Sep 2016 3:52 pm
 Operator : BK
 Sample : SEQ-CAL5
 Misc : V8091416A
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 14 16:40:30 2016
 Quant Method : C:\msdchem\1\methods\V8L00014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Aug 30 17:00:37 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
29) Bromochloromethane	5.339	49	138558	21.04	ppb	96
30) Chloroform	5.403	83	380365	20.12	ppb #	98
31) 1,1,1-Trichloroethane	5.556	97	315883	18.51	ppb #	73
32) Cyclohexane	5.584	56	340005	19.33	ppb	92
33) 1,1-Dichloropropylene	5.707	75	285883	20.05	ppb #	77
35) Carbon Tetrachloride	5.707	117	276593	17.36	ppb #	59
36) tert-Amyl alcohol (TAA)	5.919	59	50637	171.08	ppb	94
37) 1,2-Dichloroethane	5.958	62	204716	19.78	ppb	99
38) Benzene	5.916	78	866060	20.72	ppb #	91
39) tert-Amyl methyl ether...	5.975	73	401093	18.95	ppb #	92
41) Trichloroethylene	6.524	95	224514	18.32	ppb	92
42) Methyl Cyclohexane	6.678	83	349290	19.07	ppb	96
43) Methyl Methacrylate	6.831	69	70419	20.46	ppb #	76
44) Dibromomethane	6.901	93	91630	19.41	ppb	96
45) Bromodichloromethane	7.040	83	254486	19.51	ppb	96
46) 1,2-Dichloropropane	6.767	63	215341	19.98	ppb #	86
47) 1,4-Dioxane	6.912	88	9092	366.83	ppb	88
49) cis-1,3-Dichloropropene	7.464	75	300689	20.59	ppb	96
50) 4-Methyl-2-Pentanone	7.595	43	159599	18.59	ppb	93
52) Toluene	7.779	91	952176	19.09	ppb	98
53) trans-1,3-Dichloropropene	8.027	75	228241	20.16	ppb	99
54) 1,1,2-Trichloroethane	8.228	97	128530	19.46	ppb	92
55) 1,3-Dichloropropane	8.398	76	208469	20.00	ppb #	76
56) Tetrachloroethylene	8.337	166	299949	22.37	ppb	99
57) 2-Hexanone	8.445	43	67928	22.14	ppb #	87
58) Dibromochloromethane	8.643	129	166111	19.06	ppb	98
59) 1,2-Dibromoethane	8.772	107	121593	19.43	ppb	91
60) Chlorobenzene	9.260	112	625952	19.34	ppb	92
61) 1,1,1,2-tetrachloroethane	9.343	131	223216	19.22	ppb	92
62) Ethyl Benzene	9.343	91	1066593	20.00	ppb	95
63) p- & m-Xylenes	9.463	91	1662376	40.89	ppb	94
64) o-Xylene	9.904	91	838508	20.60	ppb	98
65) Styrene	9.923	104	617886	20.56	ppb #	77
66) Bromofrom	10.186	173	79947	19.84	ppb	98
68) p-Ethyltoluene	10.939	105	821862	19.50	ppb	98
69) Isopropylbenzene	10.289	105	1025677	20.22	ppb	96
71) 1,1,2,2-Tetrachloroethane	10.679	83	131164	21.37	ppb #	58
72) Bromobenzene	10.676	77	318334	20.78	ppb	88
73) trans-1,4-Dichloro-2-b...	10.735	75	133448	20.99	ppb #	73
74) 1,2,3-Trichloropropane	10.729	110	32581	19.46	ppb #	1
75) n-Propylbenzene	10.746	91	1244551	20.85	ppb	98

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003434.D
 Acq On : 14 Sep 2016 3:52 pm
 Operator : BK
 Sample : SEQ-CAL5
 Misc : V8091416A
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 14 16:40:30 2016
 Quant Method : C:\msdchem\1\methods\V8L00014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Tue Aug 30 17:00:37 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

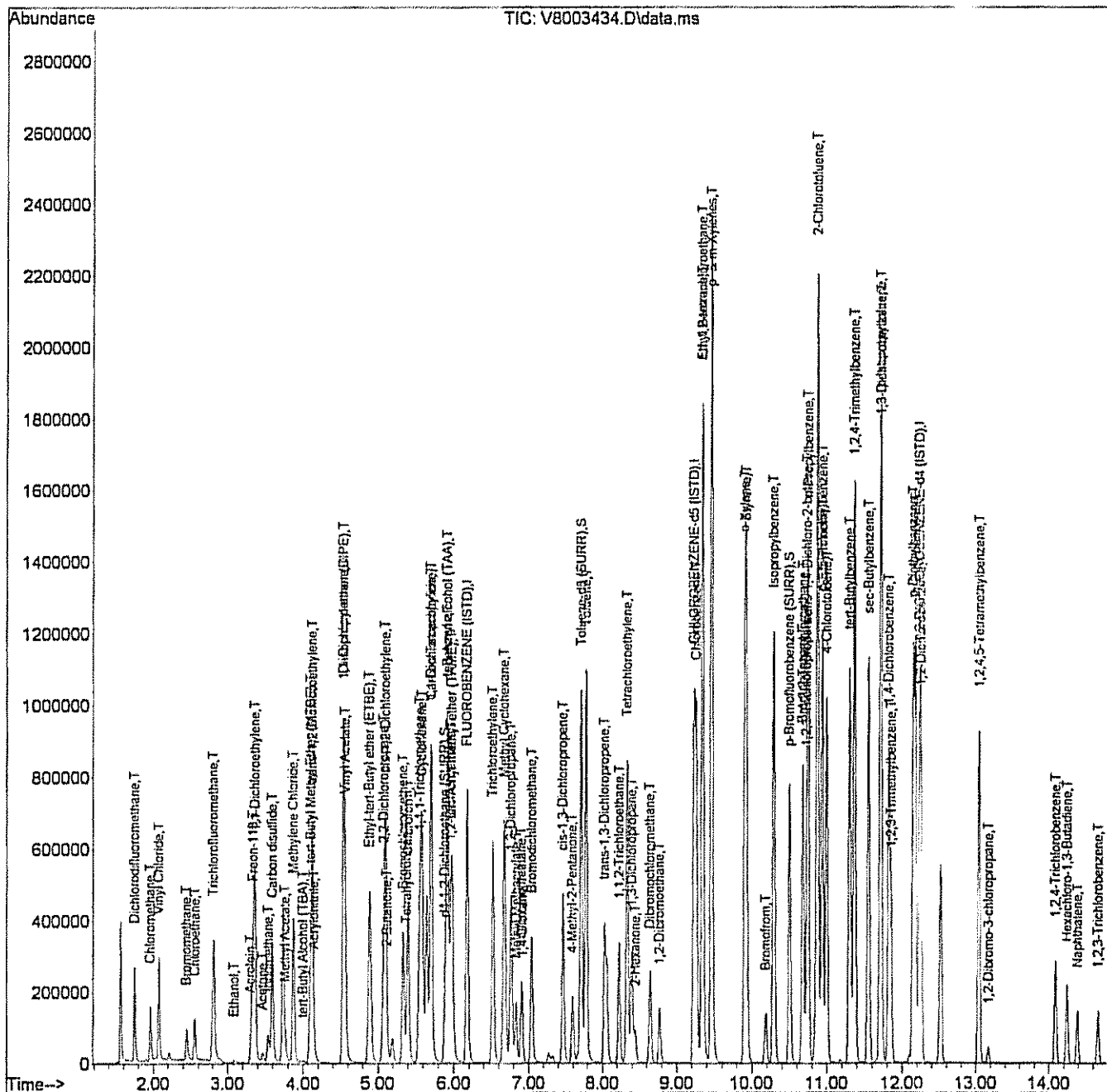
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
76) 2-Chlorotoluene	10.874	91	817587	20.57	ppb	98
77) 4-Chlorotoluene	10.994	91	702523	20.11	ppb	98
78) 1,3,5-Trimethylbenzene	10.939	105	821862	19.43	ppb	94
79) tert-Butylbenzene	11.307	119	690997	19.42	ppb	95
80) 1,2,4-Trimethylbenzene	11.362	105	849416	19.82	ppb	# 76
81) sec-Butylbenzene	11.552	105	1017823	19.79	ppb	97
82) 1,3-Dichlorobenzene	11.719	146	461041	19.18	ppb	98
83) p-Isopropyltoluene	11.708	119	894379	19.58	ppb	96
84) 1,4-Dichlorobenzene	11.823	146	427724	18.88	ppb	98
85) 1,2,3-Trimethylbenzene	11.853	105	310953	9.25	ppb	98
86) p-Diethylbenzene	12.146	105	457087	19.22	ppb	# 43
87) 1,2-Dichlorobenzene	12.255	146	356603	18.98	ppb	99
88) n-Butylbenzene	12.177	91	936043	20.07	ppb	91
89) 1,2-Dibromo-3-chloropr...	13.172	75	12581	18.76	ppb	# 79
90) 1,2,4,5-Tetramethylben...	13.047	119	611110	18.34	ppb	93
91) 1,2,4-Trichlorobenzene	14.090	180	109055	16.97	ppb	98
92) Hexachloro-1,3-Butadiene	14.243	225	52538	15.66	ppb	96
93) Naphthalene	14.385	128	138433	16.66	ppb	98
94) 1,2,3-Trichlorobenzene	14.664	180	53653	17.30	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

(2) REVIEWED,

Data Path : C:\msdchem\1\data\091416\
Data File : V8003434.D
Acq On : 14 Sep 2016 3:52 pm
Operator : BK
Sample : SEQ-CAL5
Misc : V8091416A
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 14 16:40:30 2016
Quant Method : C:\msdchem\1\methods\V8L00014.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Tue Aug 30 17:00:37 2016
InstName : VOA No. 8
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\091416\
 Data File : V8003435.D
 Acq On : 14 Sep 2016 4:20 pm
 Operator : BK
 Sample : SEQ-CAL6
 Misc : V8091416A
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 14 16:42:46 2016
 Quant Method : C:\msdchem\1\methods\V8LO0014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Wed Sep 14 16:41:10 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	6.178	70	147943	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.229	117	733555	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.235	152	326669	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.888	65	163335	9.68	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.80%	
51) Toluene-d8 (SURR)	7.715	98	874799	9.56	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.60%	
70) p-Bromofluorobenzene (...)	10.498	95	329716	9.87	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.70%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.745	85	413802	40.28	ppb	99
3) Chloromethane	1.956	50	340398	32.28	ppb	93
4) Vinyl Chloride	2.074	62	527738	51.36	ppb	98
5) Bromomethane	2.447	94	143457	56.50	ppb	93
6) Chloroethane	2.556	64	202831	50.69	ppb	99
7) Trichlorofluoromethane	2.810	101	800789	44.75	ppb	99
8) Ethanol	3.091	45	22052	1257.31	ppb	100
9) Freon-113	3.337	101	446488	41.00	ppb	# 67
10) 1,1-Dichloroethylene	3.362	61	640998	41.36	ppb	# 87
11) Acrolein	3.301	56	27852	42.14	ppb	91
12) Acetone	3.465	43	65393	48.97	ppb	99
13) Iodomethane	3.538	142	294557	27.36	ppb	99
14) Methyl Acetate	3.766	43	131007	36.98	ppb	100
15) Carbon disulfide	3.596	76	1047105	44.49	ppb	100
16) tert-Butyl Alcohol (TBA)	4.006	59	11259	39.22	ppb	# 97
17) Methylene Chloride	3.875	49	548694	38.56	ppb	94
18) Acrylonitrile	4.140	53	66441	43.80	ppb	# 90
19) trans-1,2-Dichloroethy...	4.123	61	633429	42.58	ppb	# 89
20) tert-Butyl Methyl Ethe...	4.104	73	780567	44.11	ppb	98
21) 1,1-Dichloroethane	4.542	63	875868	45.68	ppb	99
22) Vinyl Acetate	4.561	43	966932m	35.77	ppb	
23) Diisopropyl ether (DIPE)	4.547	45	1482011	40.09	ppb	98
24) Ethyl-tert-Butyl ether...	4.893	59	1152059	40.14	ppb	# 90
25) cis-1,2-Dichloroethylene	5.099	61	750574	43.49	ppb	98
26) 2-Butanone	5.116	72	26977	51.22	ppb	93
27) 2,2-Dichloropropane	5.080	77	593006	41.84	ppb	# 83
28) Tetrahydrofuran	5.384	42	49600	38.05	ppb	88

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003435.D
 Acq On : 14 Sep 2016 4:20 pm
 Operator : BK
 Sample : SEQ-CAL6
 Misc : V8091416A
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 14 16:42:46 2016
 Quant Method : C:\msdchem\1\methods\V8LO0014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Wed Sep 14 16:41:10 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
29) Bromochloromethane	5.339	49	286629	42.44	ppb	96
30) Chloroform	5.403	83	826812	42.64	ppb	# 67
31) 1,1,1-Trichloroethane	5.557	97	723137	41.33	ppb	# 74
32) Cyclohexane	5.585	56	781454	43.32	ppb	91
33) 1,1-Dichloropropylene	5.707	75	643248	43.99	ppb	# 71
35) Carbon Tetrachloride	5.704	117	663044	40.58	ppb	99
36) tert-Amyl alcohol (TAA)	5.911	59	115078	379.17	ppb	# 80
37) 1,2-Dichloroethane	5.961	62	441958	41.65	ppb	99
38) Benzene	5.916	78	1908703	44.53	ppb	# 95
39) tert-Amyl methyl ether...	5.975	73	905343	41.97	ppb	# 92
41) Trichloroethylene	6.524	95	512692	39.53	ppb	91
42) Methyl Cyclohexane	6.678	83	796562	41.09	ppb	96
43) Methyl Methacrylate	6.828	69	152409	41.85	ppb	# 68
44) Dibromomethane	6.901	93	199432	39.91	ppb	96
45) Bromodichloromethane	7.040	83	557334	40.37	ppb	96
46) 1,2-Dichloropropane	6.764	63	469159	41.12	ppb	95
47) 1,4-Dioxane	6.906	88	20516	782.06	ppb	98
49) cis-1,3-Dichloropropene	7.464	75	662511	42.86	ppb	96
50) 4-Methyl-2-Pentanone	7.595	43	347485	38.23	ppb	94
52) Toluene	7.782	91	2126320	40.28	ppb	98
53) trans-1,3-Dichloropropene	8.027	75	502028	41.91	ppb	99
54) 1,1,2-Trichloroethane	8.225	97	279765	40.02	ppb	92
55) 1,3-Dichloropropane	8.401	76	452248	41.00	ppb	95
56) Tetrachloroethylene	8.337	166	824018	58.07	ppb	# 84
57) 2-Hexanone	8.443	43	140209	43.18	ppb	# 91
58) Dibromochloromethane	8.646	129	371293	40.26	ppb	97
59) 1,2-Dibromoethane	8.772	107	267053	40.32	ppb	93
60) Chlorobenzene	9.260	112	1382340	40.35	ppb	92
61) 1,1,1,2-tetrachloroethane	9.344	131	520366	42.33	ppb	92
62) Ethyl Benzene	9.344	91	2441566	43.25	ppb	95
63) p- & m-Xylenes	9.464	91	3838746	89.21	ppb	93
64) o-Xylene	9.904	91	1900076	44.10	ppb	98
65) Styrene	9.926	104	1404036	44.13	ppb	# 77
66) Bromofrom	10.183	173	180460	40.03	ppb	98
68) p-Ethyltoluene	10.939	105	1908805	40.44	ppb	98
69) Isopropylbenzene	10.292	105	2344871	41.27	ppb	96
71) 1,1,2,2-Tetrachloroethane	10.679	83	286482	41.68	ppb	# 55
72) Bromobenzene	10.679	77	708633	41.30	ppb	87
73) trans-1,4-Dichloro-2-b...	10.735	75	306150	43.01	ppb	# 75
74) 1,2,3-Trichloropropane	10.732	110	73389	39.13	ppb	# 1
75) n-Propylbenzene	10.749	91	2811913	42.07	ppb	98

Quantitation Report (QT reviewed)

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003435.D
 Acq On : 14 Sep 2016 4:20 pm
 Operator : BK
 Sample : SEQ-CAL6
 Misc : V8091416A
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 14 16:42:46 2016
 Quant Method : C:\msdchem\1\methods\V8LO0014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Wed Sep 14 16:41:10 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

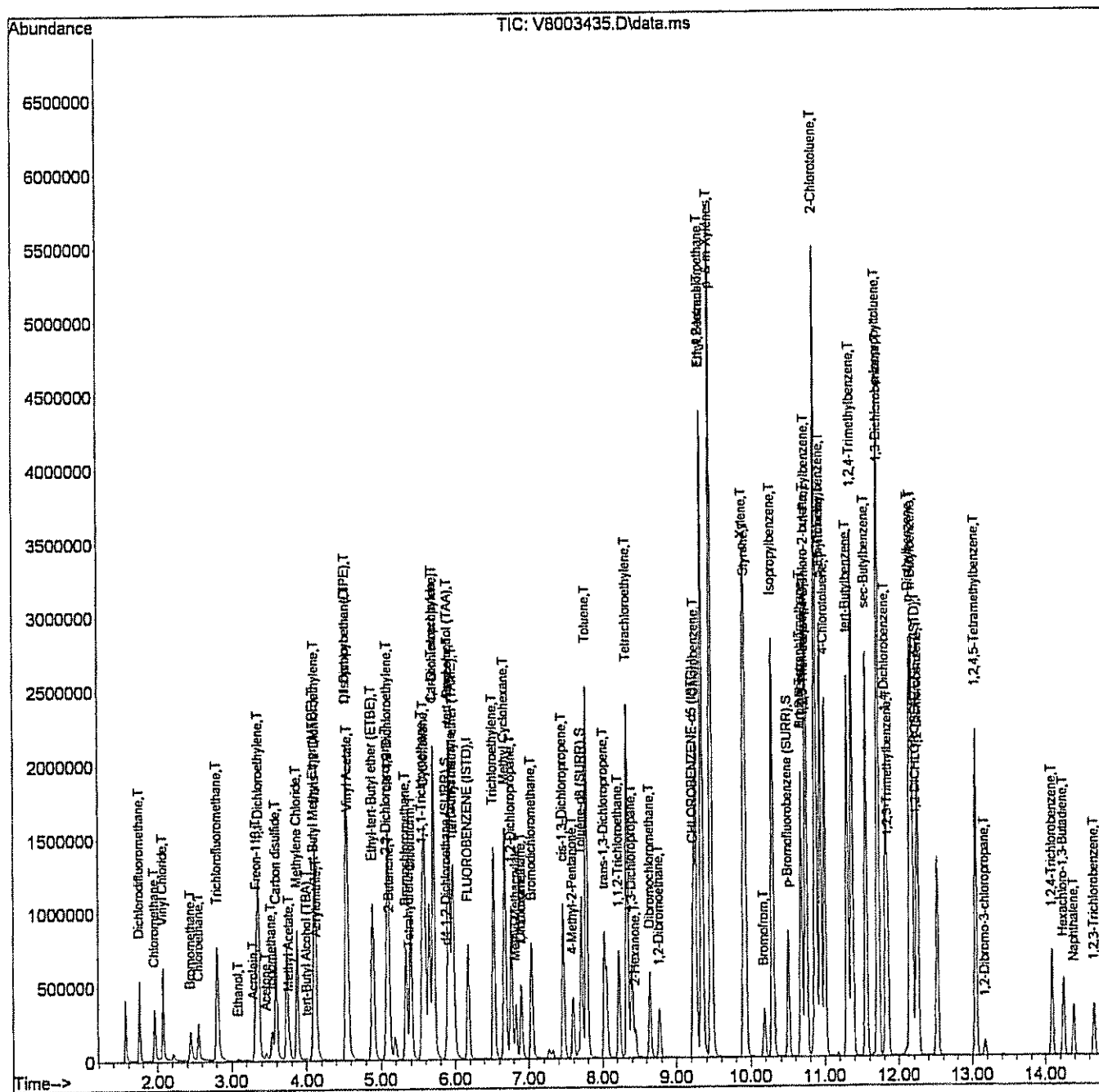
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
76) 2-Chlorotoluene	10.875	91	1910965	42.94	ppb	97
77) 4-Chlorotoluene	10.994	91	1591098	40.66	ppb	98
78) 1,3,5-Trimethylbenzene	10.939	105	1908805	40.29	ppb	95
79) tert-Butylbenzene	11.307	119	1627362	40.83	ppb	94
80) 1,2,4-Trimethylbenzene	11.365	105	1974821	41.15	ppb #	76
81) sec-Butylbenzene	11.549	105	2368249	41.11	ppb	97
82) 1,3-Dichlorobenzene	11.722	146	1110148	41.24	ppb	97
83) p-Isopropyltoluene	11.708	119	2176028	42.53	ppb	95
84) 1,4-Dichlorobenzene	11.823	146	993348	39.15	ppb	98
85) 1,2,3-Trimethylbenzene	11.851	105	708115	18.80	ppb	99
86) p-Diethylbenzene	12.146	105	1080221	40.56	ppb #	44
87) 1,2-Dichlorobenzene	12.258	146	809492	38.47	ppb	98
88) n-Butylbenzene	12.177	91	2175182	41.65	ppb	92
89) 1,2-Dibromo-3-chloropr...	13.170	75	28202	37.54	ppb #	45
90) 1,2,4,5-Tetramethylben...	13.044	119	1437351	38.52	ppb	93
91) 1,2,4-Trichlorobenzene	14.090	180	267797	35.43	ppb	98
92) Hexachloro-1,3-Butadiene	14.240	225	123217	32.80	ppb	96
93) Naphthalene	14.385	128	328692	33.91	ppb	97
94) 1,2,3-Trichlorobenzene	14.664	180	132988	38.29	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

(Q1 REVIEWED)

Data Path : C:\msdchem\1\data\091416\
Data File : V8003435.D
Acq On : 14 Sep 2016 4:20 pm
Operator : BK
Sample : SEQ-CAL6
Misc : V8091416A
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 14 16:42:46 2016
Quant Method : C:\msdchem\1\methods\V8L00014.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Wed Sep 14 16:41:10 2016
InstName : VOA No. 8
Response via : Initial Calibration



Quantitation Report (Qr Reviewer)

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003436.D
 Acq On : 14 Sep 2016 4:48 pm
 Operator : BK
 Sample : SEQ-CAL7
 Misc : V8091416A
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 14 17:09:36 2016
 Quant Method : C:\msdchem\1\methods\V8L00014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Wed Sep 14 16:41:10 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	6.178	70	157015	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.232	117	775101	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.238	152	357660	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.888	65	172027	9.61	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.10%	
51) Toluene-d8 (SURR)	7.712	98	904134	9.35	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	93.50%	
70) p-Bromofluorobenzene (...)	10.501	95	343451	9.39	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	93.90%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.744	85	908646	83.33	ppb	99
3) Chloromethane	1.956	50	918802	82.08	ppb	95
4) Vinyl Chloride	2.074	62	1136383	104.20	ppb	98
5) Bromomethane	2.450	94	374840	139.09	ppb	96
6) Chloroethane	2.556	64	422184	99.42	ppb	99
7) Trichlorofluoromethane	2.813	101	1703023	89.67	ppb	99
8) Ethanol	3.091	45	58001	3602.25	ppb	100
9) Freon-113	3.337	101	1031056	89.21	ppb	97
10) 1,1-Dichloroethylene	3.362	61	1458073	88.65	ppb	# 87
11) Acrolein	3.301	56	66341	94.58	ppb	94
12) Acetone	3.462	43	137534	97.05	ppb	99
13) Iodomethane	3.543	142	797770	69.81	ppb	97
14) Methyl Acetate	3.766	43	289376	76.97	ppb	100
15) Carbon disulfide	3.596	76	2378116	95.20	ppb	100
16) tert-Butyl Alcohol (TBA)	4.006	59	28093	92.21	ppb	# 97
17) Methylene Chloride	3.875	49	1230481	81.48	ppb	95
18) Acrylonitrile	4.143	53	154403	95.91	ppb	# 62
19) trans-1,2-Dichloroethy...	4.120	61	1468338	92.99	ppb	98
20) tert-Butyl Methyl Ethe...	4.104	73	1807159	96.22	ppb	# 93
21) 1,1-Dichloroethane	4.541	63	1956065	96.12	ppb	99
22) Vinyl Acetate	4.564	43	2310103m	80.53	ppb	
23) Diisopropyl ether (DIPE)	4.544	45	3373130	85.97	ppb	98
24) Ethyl-tert-Butyl ether...	4.890	59	2659871	87.32	ppb	# 90
25) cis-1,2-Dichloroethylene	5.099	61	1733094	94.61	ppb	98
26) 2-Butanone	5.122	72	60173	103.63	ppb	97
27) 2,2-Dichloropropane	5.082	77	1381047	91.80	ppb	# 83
28) Tetrahydrofuran	5.381	42	114937	83.09	ppb	88

Quantitation Report (Q1 Reviewed)

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003436.D
 Acq On : 14 Sep 2016 4:48 pm
 Operator : BK
 Sample : SEQ-CAL7
 Misc : V8091416A
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 14 17:09:36 2016
 Quant Method : C:\msdchem\1\methods\V8L00014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Wed Sep 14 16:41:10 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
29) Bromochloromethane	5.339	49	609938	85.10	ppb	97
30) Chloroform	5.403	83	1863519	90.56	ppb	# 96
31) 1,1,1-Trichloroethane	5.557	97	1705616	91.86	ppb	# 86
32) Cyclohexane	5.587	56	1834011	95.79	ppb	92
33) 1,1-Dichloropropylene	5.707	75	1519998	97.94	ppb	# 67
35) Carbon Tetrachloride	5.707	117	1635652	94.32	ppb	99
36) tert-Amyl alcohol (TAA)	5.914	59	299992	931.34	ppb	# 79
37) 1,2-Dichloroethane	5.964	62	1039159	92.28	ppb	# 98
38) Benzene	5.919	78	4334155	95.28	ppb	# 97
39) tert-Amyl methyl ether...	5.978	73	2138847	91.04	ppb	# 92
41) Trichloroethylene	6.524	95	1195732	87.25	ppb	90
42) Methyl Cyclohexane	6.678	83	1897825	92.65	ppb	97
43) Methyl Methacrylate	6.828	69	349915	90.92	ppb	# 68
44) Dibromomethane	6.903	93	457607	86.67	ppb	95
45) Bromodichloromethane	7.040	83	1286144	88.18	ppb	96
46) 1,2-Dichloropropane	6.767	63	1061563	88.06	ppb	# 81
47) 1,4-Dioxane	6.906	88	50783	1832.07	ppb	100
49) cis-1,3-Dichloropropene	7.467	75	1526875	93.49	ppb	97
50) 4-Methyl-2-Pentanone	7.595	43	792817	82.55	ppb	94
52) Toluene	7.782	91	4927658	88.34	ppb	99
53) trans-1,3-Dichloropropene	8.024	75	1183628	93.50	ppb	99
54) 1,1,2-Trichloroethane	8.228	97	642423	86.96	ppb	92
55) 1,3-Dichloropropane	8.401	76	1019928	87.52	ppb	96
56) Tetrachloroethylene	8.340	166	1932324	128.87	ppb	# 70
57) 2-Hexanone	8.443	43	312241	91.00	ppb	# 91
58) Dibromochloromethane	8.646	129	868980	89.18	ppb	98
59) 1,2-Dibromoethane	8.775	107	607380	86.78	ppb	93
60) Chlorobenzene	9.260	112	3282889	90.70	ppb	91
61) 1,1,1,2-tetrachloroethane	9.346	131	1311542	100.96	ppb	93
62) Ethyl Benzene	9.344	91	5787271	97.02	ppb	92
63) p- & m-Xylenes	9.466	91	8949596	196.84	ppb	91
64) o-Xylene	9.907	91	4511089	99.09	ppb	97
65) Styrene	9.929	104	3373128	100.34	ppb	# 77
66) Bromoform	10.183	173	439541	86.17	ppb	98
68) p-Ethyltoluene	10.939	105	4724139	91.42	ppb	# 79
69) Isopropylbenzene	10.292	105	5730734	92.12	ppb	95
71) 1,1,2,2-Tetrachloroethane	10.682	83	670916	89.15	ppb	# 31
72) Bromobenzene	10.679	77	1694634	90.21	ppb	86
73) trans-1,4-Dichloro-2-b...	10.735	75	729585	93.61	ppb	# 79
74) 1,2,3-Trichloropropane	10.735	110	177080	86.24	ppb	# 1
75) n-Propylbenzene	10.749	91	6684682	91.34	ppb	97

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003436.D
 Acq On : 14 Sep 2016 4:48 pm
 Operator : BK
 Sample : SEQ-CAL7
 Misc : V8091416A
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 14 17:09:36 2016
 Quant Method : C:\msdchem\1\methods\V8LO0014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Wed Sep 14 16:41:10 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

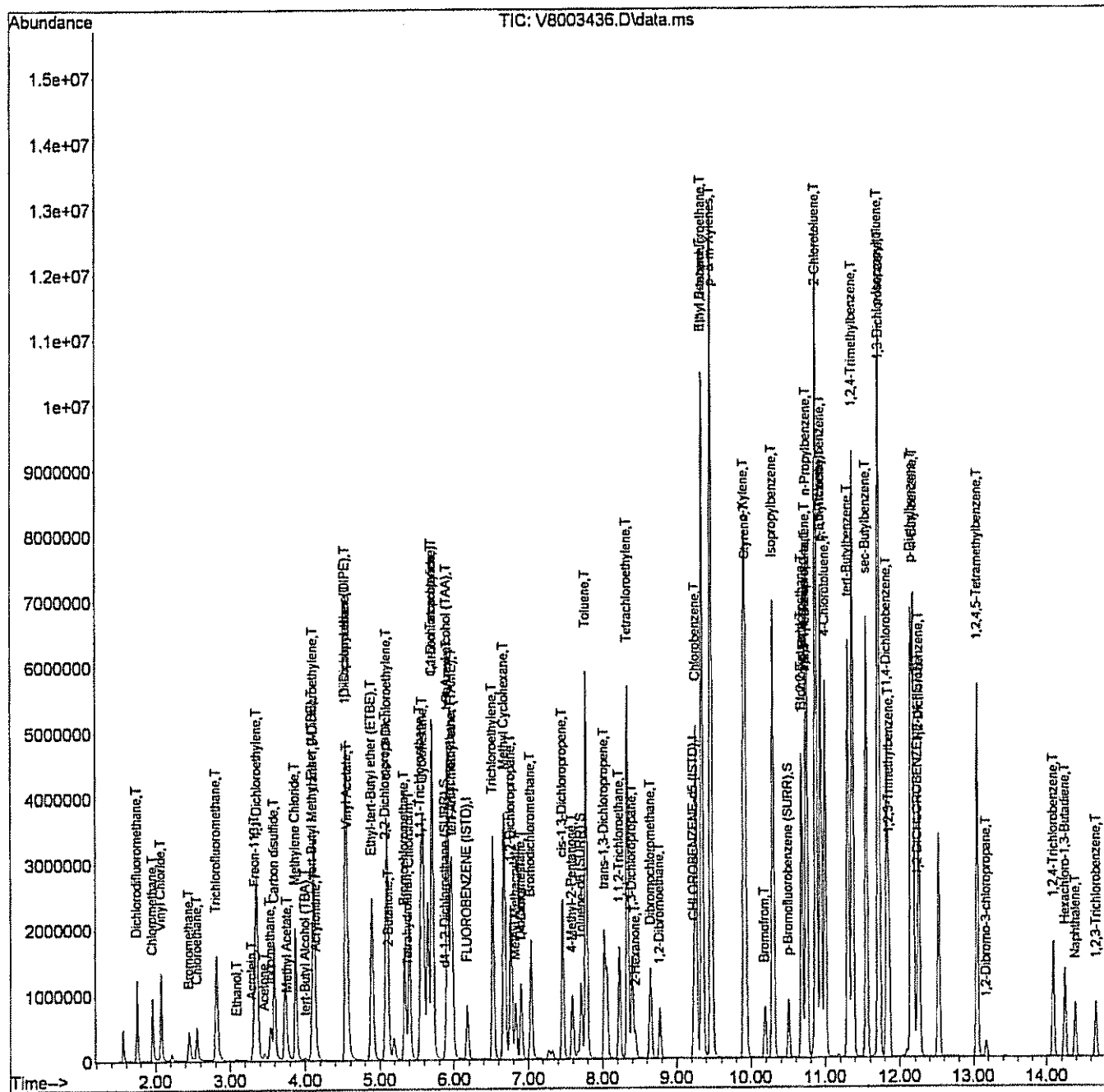
76) 2-Chlorotoluene	10.877	91	4512542	92.61	ppb	97
77) 4-Chlorotoluene	10.997	91	3791245	88.50	ppb	97
78) 1,3,5-Trimethylbenzene	10.939	105	4724139	91.08	ppb	95
79) tert-Butylbenzene	11.307	119	4032363	92.40	ppb	93
80) 1,2,4-Trimethylbenzene	11.368	105	4909902	93.44	ppb	# 76
81) sec-Butylbenzene	11.552	105	5838645	92.56	ppb	96
82) 1,3-Dichlorobenzene	11.722	146	2821500	95.73	ppb	96
83) p-Isopropyltoluene	11.711	119	5509079	98.34	ppb	94
84) 1,4-Dichlorobenzene	11.825	146	2487185	89.52	ppb	97
85) 1,2,3-Trimethylbenzene	11.853	105	1688243	40.94	ppb	99
86) p-Diethylbenzene	12.149	105	2712918	93.04	ppb	# 47
87) 1,2-Dichlorobenzene	12.258	146	1971374	85.58	ppb	# 86
88) n-Butylbenzene	12.180	91	5299902	92.68	ppb	92
89) 1,2-Dibromo-3-chloropr...	13.170	75	67864	82.51	ppb	# 77
90) 1,2,4,5-Tetramethylben...	13.047	119	3661681	89.63	ppb	93
91) 1,2,4-Trichlorobenzene	14.090	180	675480	76.45	ppb	98
92) Hexachloro-1,3-Butadiene	14.243	225	326266	79.34	ppb	96
93) Naphthalene	14.385	128	789742	71.58	ppb	97
94) 1,2,3-Trichlorobenzene	14.664	180	326109	85.77	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165

Data Path : C:\msdchem\1\data\091416\
Data File : V8003436.D
Acq On : 14 Sep 2016 4:48 pm
Operator : BK
Sample : SEQ-CAL7
Misc : V8091416A
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 14 17:09:36 2016
Quant Method : C:\msdchem\1\methods\V8L00014.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Wed Sep 14 16:41:10 2016
InstName : VOA No. 8
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\091416\
 Data File : V8003437.D
 Acq On : 14 Sep 2016 5:16 pm
 Operator : BK
 Sample : SEQ-CAL8
 Misc : V8091416A
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 15 08:10:56 2016
 Quant Method : C:\msdchem\1\methods\V8LO0014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Wed Sep 14 16:41:10 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	6.173	70	165910	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.229	117	836310	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.238	152	398411	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.891	65	189063	9.99	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	99.90%	
51) Toluene-d8 (SURR)	7.715	98	961797	9.22	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	92.20%	
70) p-Bromofluorobenzene (...)	10.501	95	375673	9.22	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	92.20%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.744	85	1135144	98.52	ppb	99
3) Chloromethane	1.954	50	1502653	127.05	ppb	95
4) Vinyl Chloride	2.074	62	1537894	133.45	ppb	98
5) Bromomethane	2.447	94	623063	218.80	ppb	96
6) Chloroethane	2.553	64	580488	129.37	ppb	99
7) Trichlorofluoromethane	2.810	101	2072521	103.27	ppb	99
8) Ethanol	3.091	45	107501	6469.97	ppb	100
9) Freon-113	3.337	101	1340877	109.79	ppb	# 81
10) 1,1-Dichloroethylene	3.362	61	2059028	118.47	ppb	# 87
11) Acrolein	3.298	56	107173	144.60	ppb	93
12) Acetone	3.462	43	194105	129.63	ppb	99
13) Iodomethane	3.543	142	1219458	100.99	ppb	98
14) Methyl Acetate	3.766	43	455558	114.68	ppb	100
15) Carbon disulfide	3.593	76	3358673	127.25	ppb	100
16) tert-Butyl Alcohol (TBA)	4.003	59	43877	136.29	ppb	# 97
17) Methylene Chloride	3.872	49	1925153	120.65	ppb	96
18) Acrylonitrile	4.143	53	246449	144.88	ppb	# 60
19) trans-1,2-Dichloroethy...	4.120	61	2190385	131.28	ppb	97
20) tert-Butyl Methyl Ethe...	4.104	73	2986797	150.49	ppb	98
21) 1,1-Dichloroethane	4.542	63	2877264	133.81	ppb	99
22) Vinyl Acetate	4.564	43	3486753m	115.03	ppb	
23) Diisopropyl ether (DIPE)	4.544	45	5159808	124.46	ppb	99
24) Ethyl-tert-Butyl ether...	4.893	59	4332750	134.61	ppb	98
25) cis-1,2-Dichloroethylene	5.099	61	2676027	138.25	ppb	98
26) 2-Butanone	5.113	72	91263	143.62	ppb	100
27) 2,2-Dichloropropane	5.082	77	2009706	126.43	ppb	# 93
28) Tetrahydrofuran	5.381	42	186051	127.28	ppb	89

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003437.D
 Acq On : 14 Sep 2016 5:16 pm
 Operator : BK
 Sample : SEQ-CAL8
 Misc : V8091416A
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 15 08:10:56 2016
 Quant Method : C:\msdchem\1\methods\V8L00014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Wed Sep 14 16:41:10 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
29) Bromochloromethane	5.339	49	949973	125.44	ppb	97
30) Chloroform	5.400	83	2924224	134.49	ppb #	96
31) 1,1,1-Trichloroethane	5.557	97	2464936	125.64	ppb #	86
32) Cyclohexane	5.584	56	2349038	116.12	ppb	93
33) 1,1-Dichloropropylene	5.707	75	2110914	128.72	ppb #	66
35) Carbon Tetrachloride	5.704	117	2319673	126.60	ppb	99
36) tert-Amyl alcohol (TAA)	5.914	59	497838	1462.69	ppb #	68
37) 1,2-Dichloroethane	5.961	62	1678457	141.06	ppb	99
38) Benzene	5.916	78	6639875	138.14	ppb #	95
39) tert-Amyl methyl ether...	5.975	73	3495692	136.67	ppb #	92
41) Trichloroethylene	6.524	95	1787774	120.91	ppb	89
42) Methyl Cyclohexane	6.675	83	2482205	112.31	ppb	97
43) Methyl Methacrylate	6.828	69	561659	135.26	ppb #	63
44) Dibromomethane	6.901	93	742458	130.33	ppb	94
45) Bromodichloromethane	7.040	83	2054262	130.53	ppb	96
46) 1,2-Dichloropropane	6.764	63	1692539	130.12	ppb	95
47) 1,4-Dioxane	6.901	88	86221	2882.89	ppb	99
49) cis-1,3-Dichloropropene	7.464	75	2444326	138.71	ppb	97
50) 4-Methyl-2-Pentanone	7.595	43	1257761	121.38	ppb	95
52) Toluene	7.782	91	7482603	124.33	ppb	99
53) trans-1,3-Dichloropropene	8.027	75	1933138	141.54	ppb	99
54) 1,1,2-Trichloroethane	8.228	97	1040399	130.53	ppb	92
55) 1,3-Dichloropropane	8.401	76	1642987	130.66	ppb #	76
56) Tetrachloroethylene	8.337	166	2653080	163.99	ppb #	70
57) 2-Hexanone	8.443	43	475187	128.36	ppb #	92
58) Dibromochloromethane	8.649	129	1432405	136.24	ppb	98
59) 1,2-Dibromoethane	8.775	107	983777	130.27	ppb	93
60) Chlorobenzene	9.260	112	5182051	132.69	ppb	90
61) 1,1,1,2-tetrachloroethane	9.346	131	2083921	148.68	ppb	94
62) Ethyl Benzene	9.346	91	8321055	129.29	ppb	91
63) p- & m-Xylenes	9.469	91	12567437	256.18	ppb	90
64) o-Xylene	9.907	91	6817944	138.81	ppb	97
65) Styrene	9.929	104	5268819	145.26	ppb #	90
66) Bromoform	10.183	173	734436	127.11	ppb #	78
68) p-Ethyltoluene	10.941	105	6894075	119.76	ppb #	79
69) Isopropylbenzene	10.292	105	8303844	119.83	ppb	95
71) 1,1,2,2-Tetrachloroethane	10.682	83	1118052	133.37	ppb #	31
72) Bromobenzene	10.679	77	2692531	128.67	ppb	82
73) trans-1,4-Dichloro-2-b...	10.738	75	1169206	134.67	ppb #	86
74) 1,2,3-Trichloropropane	10.738	110	294259	128.65	ppb #	9
75) n-Propylbenzene	10.749	91	9497273	116.50	ppb	96

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003437.D
 Acq On : 14 Sep 2016 5:16 pm
 Operator : BK
 Sample : SEQ-CAL8
 Misc : V8091416A
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 15 08:10:56 2016
 Quant Method : C:\msdchem\1\methods\V8LO0014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Wed Sep 14 16:41:10 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 2-Chlorotoluene	10.877	91	6500521	119.76	ppb	96
77) 4-Chlorotoluene	11.000	91	5774554	121.01	ppb	97
78) 1,3,5-Trimethylbenzene	10.941	105	6894075	119.32	ppb	94
79) tert-Butylbenzene	11.307	119	5850276	120.35	ppb	92
80) 1,2,4-Trimethylbenzene	11.368	105	7335613	125.33	ppb	# 75
81) sec-Butylbenzene	11.552	105	8201708	116.72	ppb	96
82) 1,3-Dichlorobenzene	11.725	146	4366093	132.99	ppb	96
83) p-Isopropyltoluene	11.711	119	7758000	124.32	ppb	94
84) 1,4-Dichlorobenzene	11.825	146	4032661	130.30	ppb	96
85) 1,2,3-Trimethylbenzene	11.853	105	2637604	57.43	ppb	100
86) p-Diethylbenzene	12.149	105	3943792	121.42	ppb	# 49
87) 1,2-Dichlorobenzene	12.258	146	3194771	124.50	ppb	# 86
88) n-Butylbenzene	12.182	91	7385052	115.93	ppb	90
89) 1,2-Dibromo-3-chloropr...	13.172	75	1111114	121.28	ppb	# 45
90) 1,2,4,5-Tetramethylben...	13.047	119	5518228	121.26	ppb	92
91) 1,2,4-Trichlorobenzene	14.090	180	1073021	104.89	ppb	97
92) Hexachloro-1,3-Butadiene	14.246	225	455962	99.53	ppb	95
93) Naphthalene	14.385	128	1330524	105.54	ppb	98
94) 1,2,3-Trichlorobenzene	14.664	180	534889	126.29	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003438.D
 Acq On : 14 Sep 2016 5:44 pm
 Operator : BK
 Sample : SEQ-CAL9
 Misc : V8091416A
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 15 08:14:28 2016
 Quant Method : C:\msdchem\1\methods\V8LO0014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Wed Sep 14 16:41:10 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	6.179	70	179891	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.232	117	911960	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.238	152	466136	10.00	ppb	0.00

System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.891	65	217711	10.61	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.10%			
51) Toluene-d8 (SURR)	7.715	98	1046054	9.20	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.00%			
70) p-Bromofluorobenzene (...)	10.504	95	413219	8.67	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.70%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.745	85	1790752	143.35	ppb	99
3) Chloromethane	1.951	50	2425939	189.17	ppb	95
4) Vinyl Chloride	2.074	62	2229608	178.44	ppb	98
5) Bromomethane	2.445	94	963532	312.07	ppb	95
6) Chloroethane	2.551	64	838854	172.42	ppb	98
7) Trichlorofluoromethane	2.810	101	2931624	134.73	ppb	99
8) Ethanol	3.089	45	199595	11011.49	ppb	100
9) Freon-113	3.334	101	2156787	162.87	ppb	97
10) 1,1-Dichloroethylene	3.359	61	3144417	166.86	ppb	# 86
11) Acrolein	3.301	56	184555	229.66	ppb	94
12) Acetone	3.460	43	356742	219.72	ppb	99
13) Iodomethane	3.543	142	1897318	144.91	ppb	99
14) Methyl Acetate	3.764	43	743692	172.66	ppb	100
15) Carbon disulfide	3.594	76	5115115	178.73	ppb	100
16) tert-Butyl Alcohol (TBA)	4.006	59	81298	232.90	ppb	# 97
17) Methylene Chloride	3.875	49	2817288	162.83	ppb	97
18) Acrylonitrile	4.143	53	395459	214.42	ppb	# 60
19) trans-1,2-Dichloroethy...	4.121	61	3252356	179.78	ppb	97
20) tert-Butyl Methyl Ethe...	4.101	73	4795388	222.85	ppb	98
21) 1,1-Dichloroethane	4.542	63	4105871	176.10	ppb	99
22) Vinyl Acetate	4.561	43	4830804m	146.99	ppb	
23) Diisopropyl ether (DIPE)	4.544	45	7223494	160.69	ppb	99
24) Ethyl-tert-Butyl ether...	4.890	59	6721306	192.59	ppb	# 90
25) cis-1,2-Dichloroethylene	5.099	61	3922304	186.89	ppb	98
26) 2-Butanone	5.116	72	155861	212.81	ppb	99
27) 2,2-Dichloropropane	5.080	77	3051891	177.07	ppb	# 82
28) Tetrahydrofuran	5.378	42	309026	194.98	ppb	89

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003438.D
 Acq On : 14 Sep 2016 5:44 pm
 Operator : BK
 Sample : SEQ-CAL9
 Misc : V8091416A
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 15 08:14:28 2016
 Quant Method : C:\msdchem\1\methods\V8L00014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Wed Sep 14 16:41:10 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Bromochloromethane	5.339	49	1438637	175.20	ppb	96
30) Chloroform	5.403	83	4269601	181.10	ppb	# 96
31) 1,1,1-Trichloroethane	5.557	97	3864190	181.65	ppb	# 86
32) Cyclohexane	5.587	56	3627004	165.36	ppb	94
33) 1,1-Dichloropropylene	5.710	75	3174890	178.56	ppb	# 62
35) Carbon Tetrachloride	5.707	117	3681249	185.29	ppb	99
36) tert-Amyl alcohol (TAA)	5.911	59	931768	2524.85	ppb	94
37) 1,2-Dichloroethane	5.961	62	2532007	196.25	ppb	100
38) Benzene	5.919	78	9654261	185.24	ppb	# 95
39) tert-Amyl methyl ether...	5.975	73	5494471	191.08	ppb	# 92
41) Trichloroethylene	6.524	95	2777197	172.24	ppb	86
42) Methyl Cyclohexane	6.678	83	3884046	161.16	ppb	99
43) Methyl Methacrylate	6.828	69	922477	203.73	ppb	# 68
44) Dibromomethane	6.901	93	1108650	178.47	ppb	93
45) Bromodichloromethane	7.040	83	3152728	183.71	ppb	96
46) 1,2-Dichloropropane	6.767	63	2516143	177.39	ppb	96
47) 1,4-Dioxane	6.904	88	156809	4808.15	ppb	100
49) cis-1,3-Dichloropropene	7.464	75	3683902	191.72	ppb	96
50) 4-Methyl-2-Pentanone	7.595	43	2084131	184.45	ppb	96
52) Toluene	7.782	91	10927438	166.51	ppb	99
53) trans-1,3-Dichloropropene	8.027	75	3001550	201.53	ppb	98
54) 1,1,2-Trichloroethane	8.228	97	1640610	188.75	ppb	92
55) 1,3-Dichloropropane	8.401	76	2536268	184.97	ppb	# 77
56) Tetrachloroethylene	8.340	166	5106256	289.44	ppb	# 71
57) 2-Hexanone	8.446	43	827829	205.06	ppb	# 93
58) Dibromochloromethane	8.649	129	2288416	199.61	ppb	98
59) 1,2-Dibromoethane	8.775	107	1553834	188.69	ppb	92
60) Chlorobenzene	9.260	112	7585607	178.12	ppb	89
61) 1,1,1,2-tetrachloroethane	9.346	131	3006612	196.72	ppb	95
62) Ethyl Benzene	9.349	91	11420117	162.72	ppb	89
63) p- & m-Xylenes	9.472	91	16797700	314.00	ppb	89
64) o-Xylene	9.907	91	9688631	180.89	ppb	97
65) Styrene	9.932	104	7536009	190.53	ppb	# 90
66) Bromoform	10.186	173	1214478	181.74	ppb	# 78
68) p-Ethyltoluene	10.942	105	10095888	149.90	ppb	# 79
69) Isopropylbenzene	10.295	105	12179154	150.22	ppb	94
71) 1,1,2,2-Tetrachloroethane	10.685	83	1686122	171.92	ppb	# 29
72) Bromobenzene	10.679	77	3951297	161.38	ppb	# 77
73) trans-1,4-Dichloro-2-b...	10.738	75	1794111	176.62	ppb	# 90
74) 1,2,3-Trichloropropane	10.738	110	470232	175.71	ppb	# 16
75) n-Propylbenzene	10.752	91	13453898	141.06	ppb	95

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003438.D
 Acq On : 14 Sep 2016 5:44 pm
 Operator : BK
 Sample : SEQ-CAL9
 Misc : V8091416A
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 15 08:14:28 2016
 Quant Method : C:\msdchem\1\methods\V8LO0014.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Wed Sep 14 16:41:10 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

76) 2-Chlorotoluene	10.877	91	8908592	140.28	ppb	96
77) 4-Chlorotoluene	11.003	91	8409514	150.62	ppb	97
78) 1,3,5-Trimethylbenzene	10.942	105	10095888	149.35	ppb	94
79) tert-Butylbenzene	11.310	119	8809826	154.90	ppb	92
80) 1,2,4-Trimethylbenzene	11.368	105	10416524	152.11	ppb	# 75
81) sec-Butylbenzene	11.555	105	12168191	148.01	ppb	96
82) 1,3-Dichlorobenzene	11.728	146	6257996	162.92	ppb	95
83) p-Isopropyltoluene	11.711	119	10872129	148.91	ppb	93
84) 1,4-Dichlorobenzene	11.828	146	6177201	170.60	ppb	96
85) 1,2,3-Trimethylbenzene	11.856	105	4037246	75.13	ppb	100
86) p-Diethylbenzene	12.152	105	5900845	155.28	ppb	# 51
87) 1,2-Dichlorobenzene	12.258	146	5086921	169.44	ppb	# 74
88) n-Butylbenzene	12.182	91	10817891	145.15	ppb	91
89) 1,2-Dibromo-3-chloropr...	13.170	75	189867	177.13	ppb	# 75
90) 1,2,4,5-Tetramethylben...	13.047	119	8777860	164.86	ppb	91
91) 1,2,4-Trichlorobenzene	14.090	180	2031713	158.72	ppb	97
92) Hexachloro-1,3-Butadiene	14.243	225	826976	154.30	ppb	95
93) Naphthalene	14.386	128	2517606	164.18	ppb	97
94) 1,2,3-Trichlorobenzene	14.664	180	1071452	216.22	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

[illegible][illegible]

1 X **add** **the 1st input** **a** **spilly** **from** **% v** **fill** **in**



Data Path : C:\msdchem\1\data\091416\
 Data File : V8003441.D
 Acq On : 14 Sep 2016 7:07 pm
 Operator : BK
 Sample : SEQ-SCV1
 Misc : V8091416A
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 15 09:05:42 2016
 Quant Method : C:\msdchem\1\methods\V8LO0015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	6.176	70	169705	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.229	117	797910	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.233	152	328056	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.886	65	181336	9.69	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.90%		
51) Toluene-d8 (SURR)	7.712	98	971293	10.18	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.80%		
70) p-Bromofluorobenzene (...)	10.498	95	357126	10.47	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.70%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.745	85	115109	9.65	ppb	99
3) Chloromethane	1.957	50	79683	10.69	ppb	94
4) Vinyl Chloride	2.074	62	138574	9.59	ppb	98
5) Bromomethane	2.447	94	53471	13.87	ppb	97
6) Chloroethane	2.556	64	55389	9.11	ppb	98
7) Trichlorofluoromethane	2.810	101	204006	9.18	ppb	99
8) Ethanol	3.089	45	9472m	742.38	ppb	
9) Freon-113	3.337	101	115449	9.35	ppb	# 81
10) 1,1-Dichloroethylene	3.362	61	181385	10.29	ppb	# 88
11) Acrolein	3.301	56	5394	7.40	ppb	93
12) Acetone	3.468	43	21324	10.73	ppb	100
13) Iodomethane	3.541	142	48047	8.38	ppb	99
14) Methyl Acetate	3.769	43	35238	9.21	ppb	100
15) Carbon disulfide	3.593	76	308923	10.42	ppb	100
16) tert-Butyl Alcohol (TBA)	4.001	59	3373m	11.23	ppb	
17) Methylene Chloride	3.872	49	153944	9.93	ppb	95
18) Acrylonitrile	4.146	53	17440	9.55	ppb	# 94
19) trans-1,2-Dichloroethy...	4.123	61	175822	9.98	ppb	# 71
20) tert-Butyl Methyl Ethe...	4.104	73	217455	10.01	ppb	98
21) 1,1-Dichloroethane	4.542	63	245597	10.38	ppb	99
22) Vinyl Acetate	4.558	43	218832m	8.40	ppb	
23) Diisopropyl ether (DIPE)	4.547	45	391091	9.05	ppb	97
24) Ethyl-tert-Butyl ether...	4.890	59	296572	8.67	ppb	# 83
25) cis-1,2-Dichloroethylene	5.099	61	203750	9.77	ppb	98
26) 2-Butanone	5.119	72	8074	9.33	ppb	96
27) 2,2-Dichloropropane	5.083	77	140937	8.83	ppb	# 83
28) Tetrahydrofuran	5.387	42	13573	9.39	ppb	# 75

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003441.D
 Acq On : 14 Sep 2016 7:07 pm
 Operator : BK
 Sample : SEQ-SCV1
 Misc : V8091416A
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 15 09:05:42 2016
 Quant Method : C:\msdchem\1\methods\V8LO0015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Bromochloromethane	5.336	49	90294	10.93	ppb	96
30) Chloroform	5.401	83	240392	10.39	ppb #	98
31) 1,1,1-Trichloroethane	5.554	97	198173	10.06	ppb #	74
32) Cyclohexane	5.582	56	200215	9.51	ppb	91
33) 1,1-Dichloropropylene	5.707	75	170590	9.70	ppb #	71
35) Carbon Tetrachloride	5.704	117	174635	9.92	ppb	99
36) tert-Amyl alcohol (TAA)	5.919	59	27380	76.63	ppb	94
37) 1,2-Dichloroethane	5.958	62	123782	9.84	ppb	99
38) Benzene	5.916	78	532323	9.97	ppb #	85
39) tert-Amyl methyl ether...	5.975	73	236976	8.54	ppb #	89
41) Trichloroethylene	6.524	95	144183	10.47	ppb	93
42) Methyl Cyclohexane	6.675	83	200544	9.61	ppb	96
43) Methyl Methacrylate	6.828	69	42096	10.49	ppb #	65
44) Dibromomethane	6.898	93	56625	10.53	ppb	96
45) Bromodichloromethane	7.037	83	158165	10.54	ppb	97
46) 1,2-Dichloropropane	6.764	63	128799	10.07	ppb	95
47) 1,4-Dioxane	6.918	88	5703m	216.04	ppb	
49) cis-1,3-Dichloropropene	7.464	75	176220	10.21	ppb	96
50) 4-Methyl-2-Pentanone	7.595	43	95041	10.16	ppb #	87
52) Toluene	7.779	91	575474	10.08	ppb	98
53) trans-1,3-Dichloropropene	8.025	75	130773	9.91	ppb	99
54) 1,1,2-Trichloroethane	8.225	97	77565	10.13	ppb	92
55) 1,3-Dichloropropane	8.401	76	126643	10.36	ppb	95
56) Tetrachloroethylene	8.340	166	277417	16.96	ppb #	84
57) 2-Hexanone	8.446	43	39400	10.65	ppb #	90
58) Dibromochloromethane	8.646	129	97958	9.97	ppb	97
59) 1,2-Dibromoethane	8.775	107	73689	10.33	ppb	93
60) Chlorobenzene	9.260	112	362999	9.63	ppb	92
61) 1,1,1,2-tetrachloroethane	9.344	131	129921	9.47	ppb	91
62) Ethyl Benzene	9.344	91	638484	10.16	ppb	96
63) p- & m-Xylenes	9.464	91	973717	20.22	ppb	95
64) o-Xylene	9.904	91	468801	9.63	ppb	98
65) Styrene	9.926	104	383309	10.63	ppb #	77
66) Bromoform	10.180	173	46656	10.55	ppb	98
68) p-Ethyltoluene	10.936	105	494178	10.52	ppb #	79
69) Isopropylbenzene	10.292	105	580162	10.14	ppb	96
71) 1,1,2,2-Tetrachloroethane	10.679	83	70400	9.54	ppb #	49
72) Bromobenzene	10.679	77	190833	10.63	ppb	87
73) trans-1,4-Dichloro-2-b...	10.735	75	75150	10.14	ppb #	72
74) 1,2,3-Trichloropropane	10.735	110	19276	10.48	ppb #	9
75) n-Propylbenzene	10.746	91	694195	10.15	ppb	98

Data Path : C:\msdchem\1\data\091416\
 Data File : V8003441.D
 Acq On : 14 Sep 2016 7:07 pm
 Operator : BK
 Sample : SEQ-SCV1
 Misc : V8091416A
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 15 09:05:42 2016
 Quant Method : C:\msdchem\1\methods\V8LO0015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

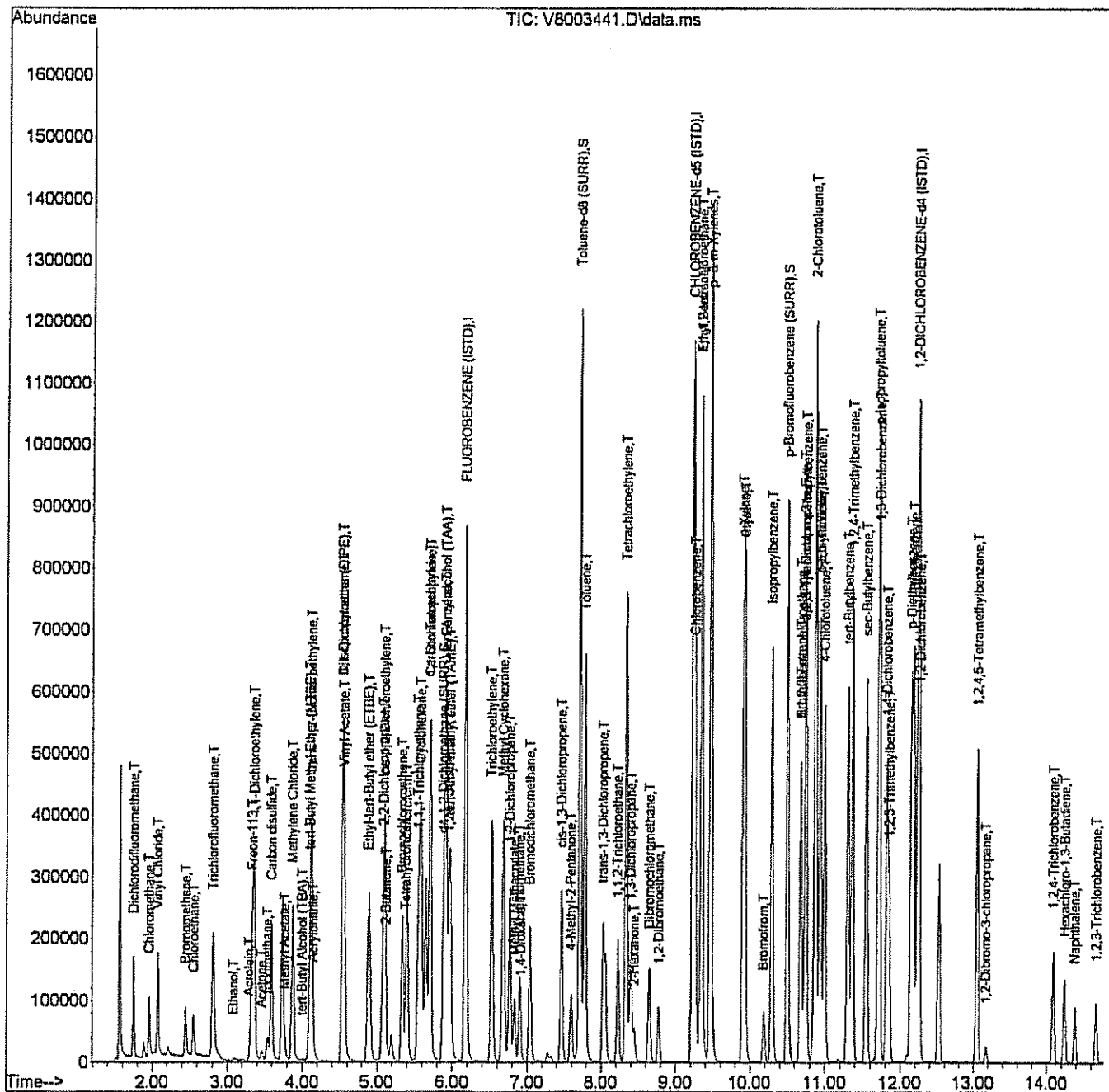
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 2-Chlorotoluene	10.872	91	454851	9.98	ppb	98
77) 4-Chlorotoluene	10.995	91	400722	10.12	ppb	98
78) 1,3,5-Trimethylbenzene	10.936	105	494178	10.49	ppb	95
79) tert-Butylbenzene	11.304	119	391138	10.00	ppb	95
80) 1,2,4-Trimethylbenzene	11.363	105	495084	10.40	ppb	# 76
81) sec-Butylbenzene	11.549	105	555560	9.84	ppb	97
82) 1,3-Dichlorobenzene	11.722	146	256314	9.60	ppb	98
83) p-Isopropyltoluene	11.706	119	521069	10.48	ppb	96
84) 1,4-Dichlorobenzene	11.823	146	241472	9.71	ppb	98
85) 1,2,3-Trimethylbenzene	11.851	105	178016	10.12	ppb	99
86) p-Diethylbenzene	12.146	105	246448	9.71	ppb	# 39
87) 1,2-Dichlorobenzene	12.258	146	200928	9.84	ppb	# 75
88) n-Butylbenzene	12.177	91	525361	10.25	ppb	91
89) 1,2-Dibromo-3-chloropr...	13.170	75	6661	9.14	ppb	# 65
90) 1,2,4,5-Tetramethylben...	13.044	119	330185	9.84	ppb	93
91) 1,2,4-Trichlorobenzene	14.087	180	69333	11.51	ppb	98
92) Hexachloro-1,3-Butadiene	14.243	225	32975	10.90	ppb	96
93) Naphthalene	14.383	128	86193	11.84	ppb	98
94) 1,2,3-Trichlorobenzene	14.667	180	37575	13.20	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

(Q1 reviewed)

```
Data Path : C:\msdchem\1\data\091416\  
Data File : V8003441.D  
Acq On    : 14 Sep 2016    7:07 pm  
Operator  : BK  
Sample    : SEQ-SCV1  
Misc      : V8091416A  
ALS Vial  : 20    Sample Multiplier: 1
```

Quant Time: Sep 15 09:05:42 2016
Quant Method : C:\msdchem\1\methods\V8L00015.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Thu Sep 15 08:36:22 2016
InstName : VOA No. 8
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\092716\
 Data File : V8003782.D
 Acq On : 27 Sep 2016 10:24 am
 Operator : BK
 Sample : SEQ-CCV1
 Misc : V8092716A Y16I078
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 27 10:49:26 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	FLUOROBENZENE (ISTD)	1.000	1.000	0.0	102	0.00
2 T	Dichlorodifluoromethane	0.703	0.523	25.6#	73	0.00
3 T	Chloromethane	0.439	0.060	86.3#	14#	0.00
4 T	Vinyl Chloride	0.851	0.361	57.5#	44#	0.00
5 T	Bromomethane	0.242	0.072	70.1#	40#	0.00
6 T	Chloroethane	0.368	0.317	13.9	94	0.00
7 T	Trichlorofluoromethane	1.310	1.390	-6.1	109	0.00
8 T	Ethanol	0.001	0.001	-40.0#	124	0.00
9 T	Freon-113	0.728	0.719	1.2	107	0.00
10 T	1,1-Dichloroethylene	1.039	1.025	1.3	103	0.00
11 T	Acrolein	0.045	0.050	-11.6	122	0.00
12 T	Acetone	0.117	0.080	31.7#	60	0.00
13 T	Iodomethane	0.378	0.102	73.0#	42#	0.00
14 T	Methyl Acetate	0.226	0.237	-4.9	114	0.00
15 T	Carbon disulfide	1.748	1.714	2.0	104	0.00
16 T	tert-Butyl Alcohol (TBA)	0.020	0.024	-21.8	146	0.00
17 T	Methylene Chloride	0.914	0.925	-1.2	106	0.00
18 T	Acrylonitrile	0.108	0.105	2.6	111	0.00
19 T	trans-1,2-Dichloroethylene	1.038	1.009	2.8	104	0.00
20 T	tert-Butyl Methyl Ether (MT)	1.280	1.301	-1.6	112	0.00
21 T	1,1-Dichloroethane	1.394	1.374	1.4	105	0.00
22 T	Vinyl Acetate	1.535	1.935	-26.1#	128	0.00
23 T	Diisopropyl ether (DIPE)	2.545	2.913	-14.5	105	0.00
24 T	Ethyl-tert-Butyl ether (ETB)	2.015	2.290	-13.7	107	0.00
25 T	cis-1,2-Dichloroethylene	1.229	1.190	3.2	104	0.00
26 T	2-Butanone	0.051	0.043	15.9	88	0.00
27 T	2,2-Dichloropropane	0.940	0.869	7.6	100	0.00
28 T	Tetrahydrofuran	0.085	0.084	1.3	101	0.01
29 T	Bromochloromethane	0.487	0.512	-5.1	108	0.00
30 T	Chloroform	1.363	1.345	1.3	106	0.00
31 T	1,1,1-Trichloroethane	1.161	1.125	3.1	104	0.00
32 T	Cyclohexane	1.240	1.206	2.7	103	0.00
33 T	1,1-Dichloropropylene	1.036	1.008	2.7	104	0.00
34 S	d4-1,2-Dichloroethane (SURR)	1.103	1.154	-4.7	110	0.00
35 T	Carbon Tetrachloride	1.037	1.059	-2.1	112	0.00
36 T	tert-Amyl alcohol (TAA)	0.022	0.028	-24.9	131	0.00
37 T	1,2-Dichloroethane	0.741	0.758	-2.3	113	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\092716\
 Data File : V8003782.D
 Acq On : 27 Sep 2016 10:24 am
 Operator : BK
 Sample : SEQ-CCV1
 Misc : V8092716A Y16I078
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 27 10:49:26 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38 T	Benzene	3.146	3.023	3.9	103	0.00
39 T	tert-Amyl methyl ether (TAM	1.636	1.844	-12.7	114	0.00
40 I	CHLOROBENZENE-d5 (ISTD)	1.000	1.000	0.0	109	0.00
41 T	Trichloroethylene	0.173	0.157	9.3	105	0.00
42 T	Methyl Cyclohexane	0.262	0.253	3.3	109	0.00
43 T	Methyl Methacrylate	0.050	0.052	-3.0	112	0.00
44 T	Dibromomethane	0.067	0.068	-0.3	111	0.00
45 T	Bromodichloromethane	0.188	0.179	4.6	107	0.00
46 T	1,2-Dichloropropane	0.160	0.150	6.2	105	0.00
47 T	1,4-Dioxane	0.000	0.000	25.0#	89	0.00
48 T	2-Chloroethyl vinyl ether	0.000	0.000	0.0	0#	-0.03
49 T	cis-1,3-Dichloropropene	0.216	0.205	5.3	106	0.00
50 T	4-Methyl-2-Pentanone	0.117	0.125	-6.5	123	0.00
51 S	Toluene-d8 (SURR)	1.196	1.185	0.9	106	0.00
52 T	Toluene	0.715	0.662	7.5	105	0.00
53 T	trans-1,3-Dichloropropene	0.165	0.155	6.3	107	0.00
54 T	1,1,2-Trichloroethane	0.096	0.096	0.2	113	0.00
55 T	1,3-Dichloropropane	0.153	0.152	1.1	108	0.00
56 T	Tetrachloroethylene	0.205	0.183	11.0	105	0.00
57 T	2-Hexanone	0.046	0.046	1.1	96	0.00
58 T	Dibromochloromethane	0.123	0.122	0.9	114	0.00
59 T	1,2-Dibromoethane	0.089	0.091	-2.3	115	0.00
60 T	Chlorobenzene	0.472	0.448	5.2	109	0.00
61 T	1,1,1,2-tetrachloroethane	0.172	0.158	8.2	111	0.00
62 T	Ethyl Benzene	0.788	0.741	5.9	106	0.00
63 T	p- & m-Xylenes	0.604	0.569	5.8	105	0.00
64 T	o-Xylene	0.610	0.574	5.9	108	0.00
65 T	Styrene	0.452	0.420	7.0	108	0.00
66 T	Bromofrom	0.060	0.058	3.5	117	0.00
67 I	1,2-DICHLOROBENZENE-d4 (IST	1.000	1.000	0.0	119	0.00
68 T	p-Ethyltoluene	1.433	1.290	10.0	109	0.00
69 T	Isopropylbenzene	1.744	1.619	7.2	108	0.00
70 S	p-Bromofluorobenzene (SURR)	1.040	1.011	2.8	111	0.00
71 T	1,1,2,2-Tetrachloroethane	0.225	0.216	3.9	113	0.00
72 T	Bromobenzene	0.547	0.500	8.7	109	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\092716\
 Data File : V8003782.D
 Acq On : 27 Sep 2016 10:24 am
 Operator : BK
 Sample : SEQ-CCV1
 Misc : V8092716A Y16I078
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 27 10:49:26 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 T	trans-1,4-Dichloro-2-butene	0.226	0.210	7.1	112	0.00
74 T	1,2,3-Trichloropropane	0.056	0.057	-0.9	118	0.00
75 T	n-Propylbenzene	2.085	1.924	7.7	107	0.00
76 T	2-Chlorotoluene	1.390	1.246	10.3	108	0.00
77 T	4-Chlorotoluene	1.207	1.093	9.4	108	0.00
78 T	1,3,5-Trimethylbenzene	1.437	1.290	10.2	109	0.00
79 T	tert-Butylbenzene	1.192	1.097	8.0	111	0.00
80 T	1,2,4-Trimethylbenzene	1.450	1.306	10.0	109	0.00
81 T	sec-Butylbenzene	1.722	1.588	7.8	109	0.00
82 T	1,3-Dichlorobenzene	0.814	0.731	10.1	116	0.00
83 T	p-Isopropyltoluene	1.516	1.378	9.1	111	0.00
84 T	1,4-Dichlorobenzene	0.758	0.696	8.1	116	0.00
85 T	1,2,3-Trimethylbenzene	0.536	0.485	9.5	109	0.00
86 T	p-Diethylbenzene	0.774	0.704	9.0	115	0.00
87 T	1,2-Dichlorobenzene	0.623	0.589	5.3	119	0.00
88 T	n-Butylbenzene	1.562	1.423	8.9	109	0.00
89 T	1,2-Dibromo-3-chloropropane	0.022	0.021	4.5	121	0.00
90 T	1,2,4,5-Tetramethylbenzene	1.023	0.991	3.1	126	0.00
91 T	1,2,4-Trichlorobenzene	0.196	0.219	-11.8	148	0.00
92 T	Hexachloro-1,3-Butadiene	0.092	0.101	-9.9	137	0.00
93 T	Naphthalene	0.239	0.262	-9.7	140	0.00
94 T	1,2,3-Trichlorobenzene	0.096	0.121	-25.8#	160#	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\092716\
 Data File : V8003782.D
 Acq On : 27 Sep 2016 10:24 am
 Operator : BK
 Sample : SEQ-CCV1
 Misc : V8092716A Y16I078
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 27 10:49:26 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	6.173	70	146185	10.00	ppb	0.00
40) CHLOROBEZENE-d5 (ISTD)	9.229	117	736991	10.00	ppb	0.00
67) 1,2-DICHLOROBEZENE-d4...	12.233	152	328458	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.886	65	168751	10.47	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.70%		
51) Toluene-d8 (SURR)	7.712	98	873120	9.91	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.10%		
70) p-Bromofluorobenzene (...)	10.501	95	332060	9.72	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.20%		
Target Compounds						
2) Dichlorodifluoromethane	1.745	85	76491	7.44	ppb	Qvalue 99
3) Chloromethane	1.957	50	8786m	1.37	ppb	
4) Vinyl Chloride	2.071	62	52851	4.25	ppb	98
5) Bromomethane	2.453	94	10582m	4.54	ppb	
6) Chloroethane	2.553	64	46301m	8.83	ppb	
7) Trichlorofluoromethane	2.813	101	203179	10.61	ppb	99
8) Ethanol	3.089	45	10154m	989.49	ppb	
9) Freon-113	3.334	101	105097	9.88	ppb	97
10) 1,1-Dichloroethylene	3.362	61	149840	9.87	ppb	# 89
11) Acrolein	3.298	56	7340	11.96	ppb	93
12) Acetone	3.465	43	11702	6.84	ppb	98
13) Iodomethane	3.535	142	14915m	5.18	ppb	
14) Methyl Acetate	3.769	43	34591	10.49	ppb	100
15) Carbon disulfide	3.596	76	250502	9.80	ppb	100
16) tert-Butyl Alcohol (TBA)	4.003	59	3511	13.96	ppb	# 97
17) Methylene Chloride	3.875	49	135174	10.12	ppb	93
18) Acrylonitrile	4.146	53	15323m	9.74	ppb	
19) trans-1,2-Dichloroethy...	4.121	61	147527	9.72	ppb	98
20) tert-Butyl Methyl Ethe...	4.101	73	190186	10.16	ppb	98
21) 1,1-Dichloroethane	4.542	63	200910	9.86	ppb	99
22) Vinyl Acetate	4.567	43	282826	12.61	ppb	100
23) Diisopropyl ether (DIPE)	4.544	45	340672	9.16	ppb	98
24) Ethyl-tert-Butyl ether...	4.890	59	267825	9.09	ppb	# 84
25) cis-1,2-Dichloroethylene	5.097	61	173963	9.68	ppb	98
26) 2-Butanone	5.119	72	6269m	8.41	ppb	
27) 2,2-Dichloropropane	5.080	77	126981	9.24	ppb	# 75
28) Tetrahydrofuran	5.389	42	12287	9.87	ppb	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\092716\
 Data File : V8003782.D
 Acq On : 27 Sep 2016 10:24 am
 Operator : BK
 Sample : SEQ-CCV1
 Misc : V8092716A Y16I078
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 27 10:49:26 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Bromochloromethane	5.339	49	74805	10.51	ppb	97
30) Chloroform	5.403	83	196612	9.87	ppb #	98
31) 1,1,1-Trichloroethane	5.554	97	164385	9.69	ppb	99
32) Cyclohexane	5.585	56	176348	9.73	ppb	91
33) 1,1-Dichloropropylene	5.707	75	147382	9.73	ppb #	69
35) Carbon Tetrachloride	5.707	117	154734	10.21	ppb #	59
36) tert-Amyl alcohol (TAA)	5.911	59	32275	118.73	ppb	92
37) 1,2-Dichloroethane	5.961	62	110790m	10.23	ppb	
38) Benzene	5.919	78	441974	9.61	ppb #	95
39) tert-Amyl methyl ether...	5.978	73	215656	9.02	ppb	97
41) Trichloroethylene	6.524	95	115426	9.07	ppb	89
42) Methyl Cyclohexane	6.675	83	186434	9.67	ppb	96
43) Methyl Methacrylate	6.831	69	38194	10.30	ppb #	78
44) Dibromomethane	6.904	93	49812	10.02	ppb	94
45) Bromodichloromethane	7.037	83	132292	9.54	ppb	96
46) 1,2-Dichloropropane	6.764	63	110812	9.38	ppb	96
47) 1,4-Dioxane	6.906	88	4267m	161.41	ppb	
49) cis-1,3-Dichloropropene	7.467	75	150974	9.47	ppb	96
50) 4-Methyl-2-Pentanone	7.598	43	92082	10.66	ppb #	87
52) Toluene	7.782	91	487584	9.25	ppb	98
53) trans-1,3-Dichloropropene	8.025	75	114266	9.38	ppb	99
54) 1,1,2-Trichloroethane	8.225	97	70599	9.98	ppb	93
55) 1,3-Dichloropropane	8.398	76	111705	9.89	ppb #	76
56) Tetrachloroethylene	8.337	166	134525	8.90	ppb #	71
57) 2-Hexanone	8.443	43	33790	9.89	ppb #	90
58) Dibromochloromethane	8.647	129	89917	9.91	ppb	98
59) 1,2-Dibromoethane	8.772	107	67438	10.24	ppb	92
60) Chlorobenzene	9.257	112	330097	9.48	ppb	91
61) 1,1,1,2-tetrachloroethane	9.344	131	116338	9.18	ppb	92
62) Ethyl Benzene	9.341	91	545935	9.40	ppb	94
63) p- & m-Xylenes	9.464	91	838201	18.84	ppb	93
64) o-Xylene	9.904	91	423202	9.41	ppb	98
65) Styrene	9.924	104	309749	9.30	ppb #	77
66) Bromoform	10.183	173	42684	10.45	ppb	98
68) p-Ethyltoluene	10.933	105	423615	9.00	ppb	97
69) Isopropylbenzene	10.292	105	531683	9.28	ppb	96
71) 1,1,2,2-Tetrachloroethane	10.679	83	71030	9.61	ppb #	55
72) Bromobenzene	10.679	77	164134	9.13	ppb	84
73) trans-1,4-Dichloro-2-b...	10.735	75	68897	9.29	ppb #	71
74) 1,2,3-Trichloropropane	10.735	110	18600	10.10	ppb #	14
75) n-Propylbenzene	10.746	91	632042	9.23	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\092716\
 Data File : V8003782.D
 Acq On : 27 Sep 2016 10:24 am
 Operator : BK
 Sample : SEQ-CCV1
 Misc : V8092716A Y16I078
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 27 10:49:26 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

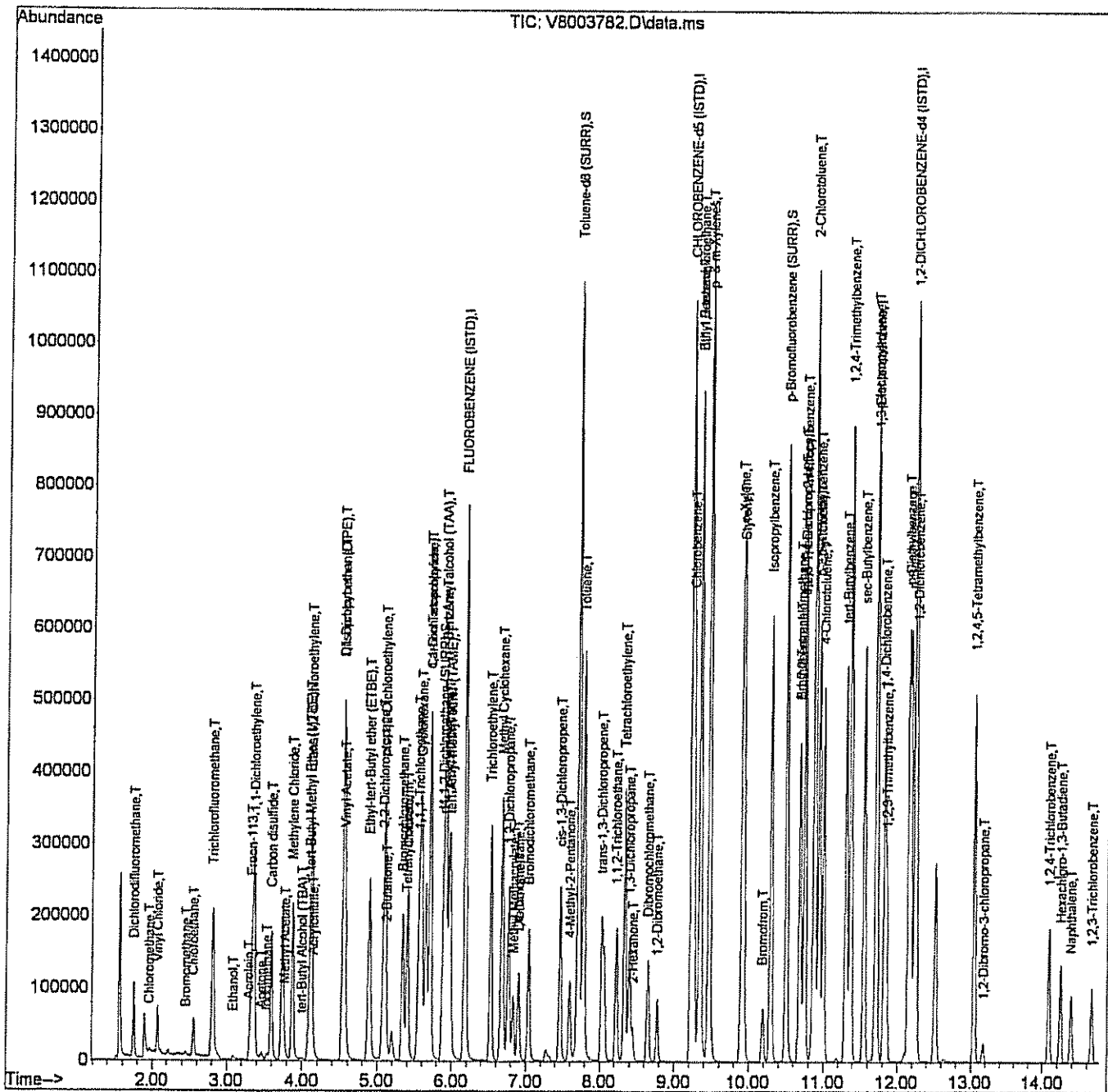
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 2-Chlorotoluene	10.875	91	409427	8.97	ppb	97
77) 4-Chlorotoluene	10.995	91	359096	9.06	ppb	97
78) 1,3,5-Trimethylbenzene	10.933	105	423615	8.98	ppb	94
79) tert-Butylbenzene	11.304	119	360427	9.20	ppb	94
80) 1,2,4-Trimethylbenzene	11.365	105	428898	9.00	ppb	# 75
81) sec-Butylbenzene	11.549	105	521466	9.22	ppb	97
82) 1,3-Dichlorobenzene	11.720	146	240227	8.99	ppb	96
83) p-Isopropyltoluene	11.706	119	452691	9.09	ppb	96
84) 1,4-Dichlorobenzene	11.823	146	228634	9.19	ppb	97
85) 1,2,3-Trimethylbenzene	11.851	105	159397	9.05	ppb	99
86) p-Diethylbenzene	12.146	105	231238	9.10	ppb	# 44
87) 1,2-Dichlorobenzene	12.258	146	193604	9.47	ppb	99
88) n-Butylbenzene	12.177	91	467247	9.11	ppb	91
89) 1,2-Dibromo-3-chloropr...	13.172	75	6977	9.56	ppb	# 67
90) 1,2,4,5-Tetramethylben...	13.044	119	325375	9.69	ppb	92
91) 1,2,4-Trichlorobenzene	14.087	180	71826	11.91	ppb	97
92) Hexachloro-1,3-Butadiene	14.243	225	33279	10.99	ppb	95
93) Naphthalene	14.383	128	86078	11.81	ppb	97
94) 1,2,3-Trichlorobenzene	14.664	180	39762	14.01	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : C:\msdchem\1\data\092716\
Data File : V8003782.D
Acq On : 27 Sep 2016 10:24 am
Operator : BK
Sample : SEQ-CCV1
Misc : V8092716A Y16I078
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 27 10:49:26 2016
Quant Method : C:\msdchem\1\methods\V8L00015.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Thu Sep 15 08:36:22 2016
InstName : VOA No. 8
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\092616\
 Data File : V8003742.D
 Acq On : 26 Sep 2016 3:21 pm
 Operator : BK
 Sample : SEQ-CCV1
 Misc : V8092616A Y16I078
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 27 08:59:19 2016
 Quant Method : C:\msdchem\1\methods\V8LO0015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	FLUOROBENZENE (ISTD)	1.000	1.000	0.0	97	0.00
2 T	Dichlorodifluoromethane	0.703	0.581	17.3	77	0.00
3 T	Chloromethane	0.439	0.118	73.1#	27#	0.00
4 T	Vinyl Chloride	0.851	0.520	38.9#	59	0.00
5 T	Bromomethane	0.242	0.210	13.4	109	0.00
6 T	Chloroethane	0.368	0.339	8.0	95	0.00
7 T	Trichlorofluoromethane	1.310	1.515	-15.6	112	0.00
8 T	Ethanol	0.001	0.002	-120.0#	189#	0.00
9 T	Freon-113	0.728	0.677	7.0	96	0.00
10 T	1,1-Dichloroethylene	1.039	0.983	5.4	93	0.00
11 T	Acrolein	0.045	0.046	-1.8	105	0.00
12 T	Acetone	0.117	0.141	-20.8	101	0.00
13 T	Iodomethane	0.378	0.272	28.1#	106	0.00
14 T	Methyl Acetate	0.226	0.263	-16.6	119	0.00
15 T	Carbon disulfide	1.748	1.709	2.2	98	0.00
16 T	tert-Butyl Alcohol (TBA)	0.020	0.030	-50.3#	171#	0.00
17 T	Methylene Chloride	0.914	0.900	1.5	98	0.00
18 T	Acrylonitrile	0.108	0.122	-13.3	122	0.00
19 T	trans-1,2-Dichloroethylene	1.038	0.972	6.4	95	0.00
20 T	tert-Butyl Methyl Ether (MT)	1.280	1.369	-7.0	111	0.00
21 T	1,1-Dichloroethane	1.394	1.335	4.3	96	0.00
22 T	Vinyl Acetate	1.535	1.998	-30.2#	125	0.00
23 T	Diisopropyl ether (DIPE)	2.545	2.919	-14.7	100	0.00
24 T	Ethyl-tert-Butyl ether (ETB)	2.015	2.295	-13.9	102	0.00
25 T	cis-1,2-Dichloroethylene	1.229	1.160	5.7	96	0.00
26 T	2-Butanone	0.051	0.054	-5.5	105	0.00
27 T	2,2-Dichloropropane	0.940	0.976	-3.8	106	0.00
28 T	Tetrahydrofuran	0.085	0.102	-19.4	115	0.01
29 T	Bromochloromethane	0.487	0.512	-5.1	102	0.00
30 T	Chloroform	1.363	1.304	4.3	97	0.00
31 T	1,1,1-Trichloroethane	1.161	1.115	3.9	97	0.00
32 T	Cyclohexane	1.240	1.167	5.9	94	0.00
33 T	1,1-Dichloropropylene	1.036	0.956	7.7	93	0.00
34 S	d4-1,2-Dichloroethane (SURR)	1.103	1.217	-10.4	109	0.00
35 T	Carbon Tetrachloride	1.037	1.057	-1.9	106	0.00
36 T	tert-Amyl alcohol (TAA)	0.022	0.034	-52.9#	152#	0.00
37 T	1,2-Dichloroethane	0.741	0.742	-0.1	104	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\092616\
 Data File : V8003742.D
 Acq On : 26 Sep 2016 3:21 pm
 Operator : BK
 Sample : SEQ-CCV1
 Misc : V8092616A Y16I078
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 27 08:59:19 2016
 Quant Method : C:\msdchem\1\methods\V8LO0015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38 T	Benzene	3.146	2.862	9.0	92	0.00
39 T	tert-Amyl methyl ether (TAM	1.636	1.935	-18.3	113	0.00
40 I	CHLORO BENZENE-d5 (ISTD)	1.000	1.000	0.0	100	0.00
41 T	Trichloroethylene	0.173	0.153	11.6	94	0.00
42 T	Methyl Cyclohexane	0.262	0.241	8.0	95	0.00
43 T	Methyl Methacrylate	0.050	0.056	-10.9	110	0.00
44 T	Dibromomethane	0.067	0.072	-7.0	109	0.00
45 T	Bromodichloromethane	0.188	0.190	-0.8	103	0.00
46 T	1,2-Dichloropropane	0.160	0.148	7.5	95	0.00
47 T	1,4-Dioxane	0.000	0.001	-50.0#	170#	0.00
48 T	2-Chloroethyl vinyl ether	0.000	0.000	0.0	0#	-0.03
49 T	cis-1,3-Dichloropropene	0.216	0.212	2.2	100	0.00
50 T	4-Methyl-2-Pentanone	0.117	0.146	-24.1	131	0.00
51 S	Toluene-d8 (SURR)	1.196	1.194	0.2	98	0.00
52 T	Toluene	0.715	0.634	11.4	92	0.00
53 T	trans-1,3-Dichloropropene	0.165	0.164	0.6	104	0.00
54 T	1,1,2-Trichloroethane	0.096	0.098	-1.7	106	0.00
55 T	1,3-Dichloropropane	0.153	0.158	-2.9	104	0.00
56 T	Tetrachloroethylene	0.205	0.177	13.5	94	0.00
57 T	2-Hexanone	0.046	0.058	-25.1#	111	0.00
58 T	Dibromochloromethane	0.123	0.128	-3.9	110	0.00
59 T	1,2-Dibromoethane	0.089	0.094	-5.5	109	0.00
60 T	Chlorobenzene	0.472	0.407	13.9	91	0.00
61 T	1,1,1,2-tetrachloroethane	0.172	0.153	10.8	99	0.00
62 T	Ethyl Benzene	0.788	0.712	9.7	93	0.00
63 T	p- & m-Xylenes	0.604	0.539	10.8	91	0.00
64 T	o-Xylene	0.610	0.522	14.4	90	0.00
65 T	Styrene	0.452	0.428	5.2	101	0.00
66 T	Bromofrom	0.060	0.067	-10.8	123	0.00
67 I	1,2-DICHLORO BENZENE-d4 (IST	1.000	1.000	0.0	114	0.00
68 T	p-Ethyltoluene	1.433	1.215	15.2	98	0.00
69 T	Isopropylbenzene	1.744	1.425	18.3	91	0.00
70 S	p-Bromofluorobenzene (SURR)	1.040	0.985	5.3	103	0.00
71 T	1,1,2,2-Tetrachloroethane	0.225	0.226	-0.6	113	0.00
72 T	Bromobenzene	0.547	0.488	10.8	102	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\092616\
 Data File : V8003742.D
 Acq On : 26 Sep 2016 3:21 pm
 Operator : BK
 Sample : SEQ-CCV1
 Misc : V8092616A Y16I078
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 27 08:59:19 2016
 Quant Method : C:\msdchem\1\methods\V8LO0015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 T	trans-1,4-Dichloro-2-butene	0.226	0.225	0.2	114	0.00
74 T	1,2,3-Trichloropropane	0.056	0.057	-2.3	114	0.00
75 T	n-Propylbenzene	2.085	1.695	18.7	90	0.00
76 T	2-Chlorotoluene	1.390	1.124	19.1	93	0.00
77 T	4-Chlorotoluene	1.207	0.973	19.4	92	0.00
78 T	1,3,5-Trimethylbenzene	1.437	1.215	15.4	98	0.00
79 T	tert-Butylbenzene	1.192	0.949	20.4	91	0.00
80 T	1,2,4-Trimethylbenzene	1.450	1.235	14.8	99	0.00
81 T	sec-Butylbenzene	1.722	1.376	20.1	90	0.00
82 T	1,3-Dichlorobenzene	0.814	0.657	19.3	99	0.00
83 T	p-Isopropyltoluene	1.516	1.290	15.0	99	0.00
84 T	1,4-Dichlorobenzene	0.758	0.634	16.3	101	0.00
85 T	1,2,3-Trimethylbenzene	0.536	0.463	13.8	99	0.00
86 T	p-Diethylbenzene	0.774	0.693	10.5	108	0.00
87 T	1,2-Dichlorobenzene	0.623	0.550	11.6	106	0.00
88 T	n-Butylbenzene	1.562	1.356	13.2	99	0.00
89 T	1,2-Dibromo-3-chloropropane	0.022	0.025	-10.8	133	0.00
90 T	1,2,4,5-Tetramethylbenzene	1.023	0.953	6.8	115	0.00
91 T	1,2,4-Trichlorobenzene	0.196	0.224	-14.6	145	0.00
92 T	Hexachloro-1,3-Butadiene	0.092	0.097	-5.2	125	0.00
93 T	Naphthalene	0.239	0.296	-24.0	151#	0.00
94 T	1,2,3-Trichlorobenzene	0.096	0.125	-29.4#	157#	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\092616\
 Data File : V8003742.D
 Acq On : 26 Sep 2016 3:21 pm
 Operator : BK
 Sample : SEQ-CCV1
 Misc : V8092616A Y16I078
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 27 08:59:19 2016
 Quant Method : C:\msdchem\1\methods\V8LO0015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	6.179	70	138153	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.229	117	676718	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.235	152	313164	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.888	65	168137	11.04	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	110.40%	
51) Toluene-d8 (SURR)	7.712	98	807757	9.98	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	99.80%	
70) p-Bromofluorobenzene (...)	10.498	95	308395	9.47	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	94.70%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.745	85	80296	8.27	ppb	99
3) Chloromethane	1.959	50	16332m	2.69	ppb	
4) Vinyl Chloride	2.074	62	71803	6.11	ppb	99
5) Bromomethane	2.445	94	29008m	9.87	ppb	
6) Chloroethane	2.556	64	46790m	9.46	ppb	
7) Trichlorofluoromethane	2.813	101	209321	11.57	ppb	99
8) Ethanol	3.089	45	15492m	1632.14	ppb	
9) Freon-113	3.337	101	93481	9.30	ppb	97
10) 1,1-Dichloroethylene	3.362	61	135753	9.46	ppb	# 89
11) Acrolein	3.295	56	6323	10.88	ppb	92
12) Acetone	3.468	43	19544m	12.08	ppb	
13) Iodomethane	3.540	142	37596m	8.18	ppb	
14) Methyl Acetate	3.769	43	36337	11.66	ppb	100
15) Carbon disulfide	3.596	76	236075	9.78	ppb	100
16) tert-Butyl Alcohol (TBA)	4.003	59	4096m	17.52	ppb	
17) Methylene Chloride	3.872	49	124377	9.85	ppb	92
18) Acrylonitrile	4.143	53	16841m	11.33	ppb	
19) trans-1,2-Dichloroethy...	4.123	61	134252	9.36	ppb	99
20) tert-Butyl Methyl Ethe...	4.104	73	189154	10.70	ppb	# 93
21) 1,1-Dichloroethane	4.544	63	184437	9.57	ppb	100
22) Vinyl Acetate	4.567	43	276067	13.02	ppb	100
23) Diisopropyl ether (DIPE)	4.547	45	322658	9.18	ppb	# 95
24) Ethyl-tert-Butyl ether...	4.893	59	253643	9.11	ppb	# 84
25) cis-1,2-Dichloroethylene	5.099	61	160192	9.43	ppb	98
26) 2-Butanone	5.122	72	7429	10.54	ppb	83
27) 2,2-Dichloropropane	5.083	77	134816	10.38	ppb	# 91
28) Tetrahydrofuran	5.389	42	14054	11.94	ppb	# 72

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\092616\
 Data File : V8003742.D
 Acq On : 26 Sep 2016 3:21 pm
 Operator : BK
 Sample : SEQ-CCV1
 Misc : V8092616A Y16I078
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 27 08:59:19 2016
 Quant Method : C:\msdchem\1\methods\V8LO0015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Bromochloromethane	5.342	49	70703	10.51	ppb	# 80
30) Chloroform	5.403	83	180190	9.57	ppb	# 67
31) 1,1,1-Trichloroethane	5.554	97	154091	9.61	ppb	# 86
32) Cyclohexane	5.587	56	161219	9.41	ppb	# 90
33) 1,1-Dichloropropylene	5.707	75	132043	9.23	ppb	# 63
35) Carbon Tetrachloride	5.707	117	145993	10.19	ppb	# 91
36) tert-Amyl alcohol (TAA)	5.914	59	37406m	151.95	ppb	
37) 1,2-Dichloroethane	5.961	62	102483	10.01	ppb	# 99
38) Benzene	5.916	78	395435	9.10	ppb	# 95
39) tert-Amyl methyl ether...	5.975	73	213878	9.46	ppb	# 97
41) Trichloroethylene	6.524	95	103244	8.84	ppb	# 91
42) Methyl Cyclohexane	6.678	83	162861	9.20	ppb	# 94
43) Methyl Methacrylate	6.825	69	37788	11.10	ppb	# 75
44) Dibromomethane	6.901	93	48774	10.69	ppb	# 95
45) Bromodichloromethane	7.040	83	128333	10.08	ppb	# 96
46) 1,2-Dichloropropane	6.764	63	100391	9.26	ppb	# 95
47) 1,4-Dioxane	6.909	88	8165	397.70	ppb	# 100
49) cis-1,3-Dichloropropene	7.467	75	143200	9.78	ppb	# 96
50) 4-Methyl-2-Pentanone	7.595	43	98534m	12.42	ppb	
52) Toluene	7.782	91	428762	8.86	ppb	# 99
53) trans-1,3-Dichloropropene	8.025	75	111275	9.94	ppb	# 99
54) 1,1,2-Trichloroethane	8.228	97	66048	10.17	ppb	# 92
55) 1,3-Dichloropropane	8.398	76	106783	10.30	ppb	# 94
56) Tetrachloroethylene	8.337	166	120005	8.65	ppb	# 70
57) 2-Hexanone	8.446	43	39165	12.49	ppb	# 90
58) Dibromochloromethane	8.644	129	86576	10.39	ppb	# 97
59) 1,2-Dibromoethane	8.772	107	63831	10.55	ppb	# 91
60) Chlorobenzene	9.263	112	275261	8.61	ppb	# 91
61) 1,1,1,2-tetrachloroethane	9.344	131	103830	8.92	ppb	# 91
62) Ethyl Benzene	9.344	91	481459	9.03	ppb	# 96
63) p- & m-Xylenes	9.464	91	729114	17.85	ppb	# 94
64) o-Xylene	9.907	91	353309	8.56	ppb	# 98
65) Styrene	9.926	104	289957	9.48	ppb	# 77
66) Bromofrom	10.189	173	44971	11.92	ppb	# 97
68) p-Ethyltoluene	10.936	105	380431	8.48	ppb	# 79
69) Isopropylbenzene	10.292	105	446378	8.17	ppb	# 96
71) 1,1,2,2-Tetrachloroethane	10.679	83	70900	10.06	ppb	# 64
72) Bromobenzene	10.677	77	152852	8.92	ppb	# 86
73) trans-1,4-Dichloro-2-b...	10.732	75	70567	9.98	ppb	# 78
74) 1,2,3-Trichloropropane	10.732	110	17982	10.24	ppb	# 17
75) n-Propylbenzene	10.746	91	530883	8.13	ppb	# 98

Data Path : C:\msdchem\1\data\092616\
 Data File : V8003742.D
 Acq On : 26 Sep 2016 3:21 pm
 Operator : BK
 Sample : SEQ-CCV1
 Misc : V8092616A Y16I078
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 27 08:59:19 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

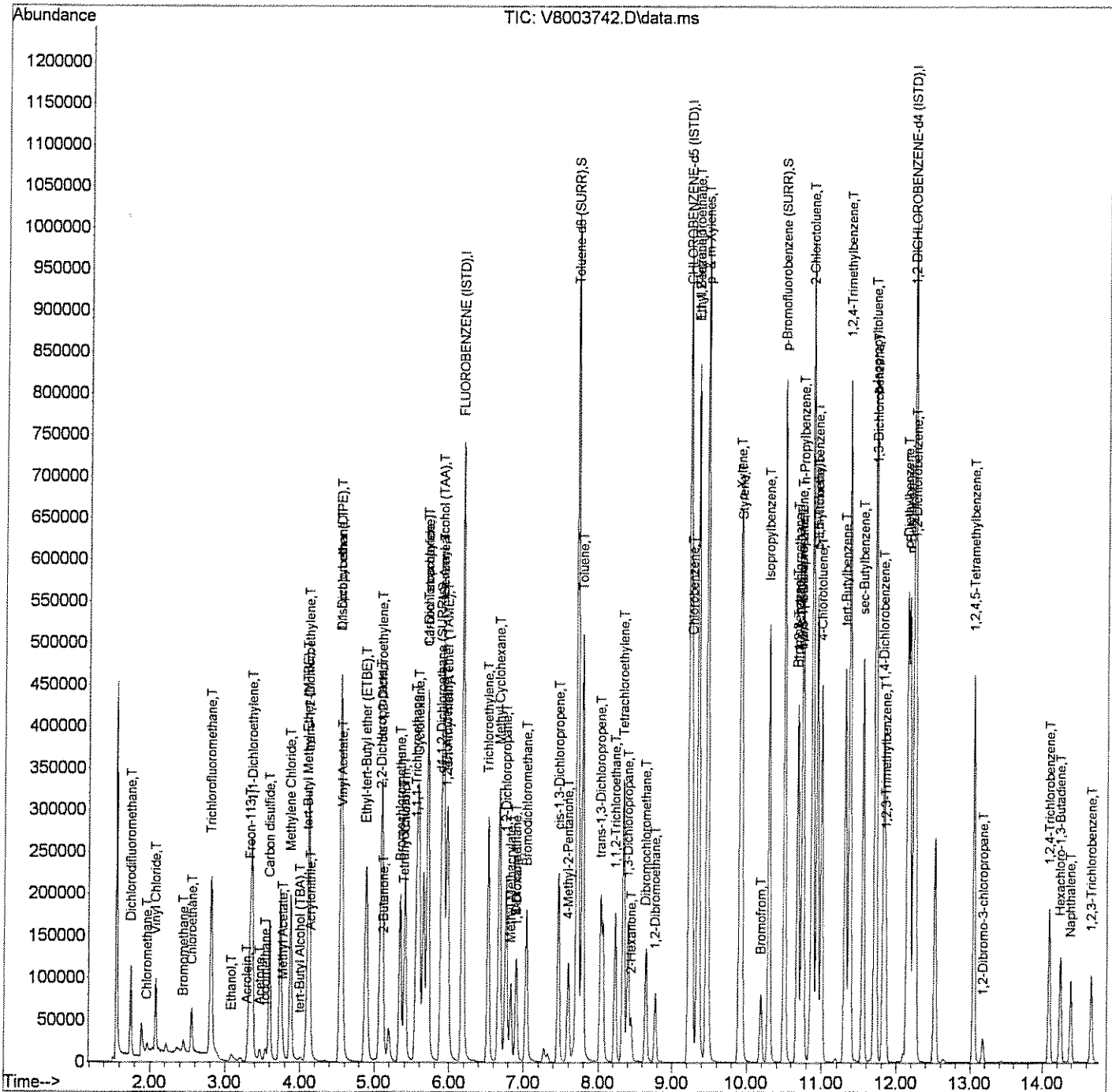
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	2-Chlorotoluene	10.872	91	352064m	8.09	ppb	
77)	4-Chlorotoluene	10.995	91	304692	8.06	ppb	97
78)	1,3,5-Trimethylbenzene	10.936	105	380431	8.46	ppb	95
79)	tert-Butylbenzene	11.304	119	297067	7.96	ppb	95
80)	1,2,4-Trimethylbenzene	11.365	105	386811	8.52	ppb	# 77
81)	sec-Butylbenzene	11.549	105	430890m	7.99	ppb	
82)	1,3-Dichlorobenzene	11.722	146	205657	8.07	ppb	97
83)	p-Isopropyltoluene	11.706	119	403857	8.50	ppb	96
84)	1,4-Dichlorobenzene	11.823	146	198709	8.37	ppb	97
85)	1,2,3-Trimethylbenzene	11.853	105	144850	8.62	ppb	99
86)	p-Diethylbenzene	12.146	105	216908	8.95	ppb	# 47
87)	1,2-Dichlorobenzene	12.255	146	172409	8.84	ppb	# 75
88)	n-Butylbenzene	12.177	91	424692	8.68	ppb	90
89)	1,2-Dibromo-3-chloropr...	13.175	75	7698	11.06	ppb	# 73
90)	1,2,4,5-Tetramethylben...	13.044	119	298522	9.32	ppb	92
91)	1,2,4-Trichlorobenzene	14.087	180	70196	12.21	ppb	98
92)	Hexachloro-1,3-Butadiene	14.240	225	30371	10.52	ppb	96
93)	Naphthalene	14.383	128	92826	13.42	ppb	97
94)	1,2,3-Trichlorobenzene	14.662	180	39006	14.43	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

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Data Path : C:\msdchem\1\data\092616\  
Data File : V8003742.D  
Acq On    : 26 Sep 2016    3:21 pm  
Operator   : BK  
Sample     : SEQ-CCV1  
Misc       : V8092616A Y16I078  
ALS Vial   : 2    Sample Multiplier: 1
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Quant Time: Sep 27 08:59:19 2016
Quant Method : C:\msdchem\1\methods\V8L00015.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Thu Sep 15 08:36:22 2016
InstName : VOA No. 8
Response via : Initial Calibration



FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory:York Analytical Laboratories, Inc.

SDG:16I0590

Client:Leggette Brashears & Graham Shelton Office

Project:Rowe Industries

Sequence:Y6I2617

Instrument:MSVOA7

Calibration:YI60009

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y6I2617-TUN1	V710648.D	09/23/16 19:33
Calibration Check	Y6I2617-CCV1	V710649.D	09/23/16 19:59
LCS	BI61178-BS1	V710650.D	09/23/16 20:25
LCS Dup	BI61178-BSD1	V710651.D	09/23/16 20:51
Blank	BI61178-BLK1	V710652.D	09/23/16 21:17
MW-98-04	16I0590-02	V710662.D	09/24/16 01:36
MW-98-04	BI61178-MS1	V710663.D	09/24/16 02:02
MW-98-04	BI61178-MSD1	V710664.D	09/24/16 02:28
MW-45A	16I0590-07	V710666.D	09/24/16 03:19
MW-45B	16I0590-08	V710667.D	09/24/16 03:45
MW-58B	16I0590-19	V710668.D	09/24/16 04:11

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory:York Analytical Laboratories, Inc.

SDG:16I0590

Client:Leggette Brashears & Graham Shelton Office

Project:Rowe Industries

Sequence:Y6I2626

Instrument:MSVOA7

Calibration:YI60009

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y6I2626-TUN1	V710648.D	09/22/16 20:29
Calibration Check	Y6I2626-CCV1	V710649.D	09/22/16 20:55
LCS	BI61100-BS1	V710650.D	09/22/16 21:21
LCS Dup	BI61100-BSD1	V710651.D	09/22/16 21:47
Blank	BI61100-BLK1	V710653.D	09/22/16 22:39
MW-98-01A	16I0590-01	V710664.D	09/23/16 03:25
MW-98-04B	16I0590-03	V710665.D	09/23/16 03:51
MW-A	16I0590-04	V710666.D	09/23/16 04:17
MW-98-05AR	16I0590-05	V710667.D	09/23/16 04:43
MW-98-05BR	16I0590-06	V710668.D	09/23/16 05:09

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory:York Analytical Laboratories, Inc.

SDG:16I0590

Client:Leggette Brashears & Graham Shelton Office

Project:Rowe Industries

Sequence:Y6I2628

Instrument:MSVOA6

Calibration:UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y6I2628-TUN1	V6020202.D	09/26/16 09:55
Calibration Check	Y6I2628-CCV1	V6020204.D	09/26/16 11:14
LCS	BI61211-BS1	V6020205.D	09/26/16 11:54
LCS Dup	BI61211-BSD1	V6020206.D	09/26/16 12:34
Blank	BI61211-BLK1	V6020207.D	09/26/16 13:13
MW-52A	16I0590-09	V6020212.D	09/26/16 17:32
MW-28A	16I0590-10	V6020213.D	09/26/16 18:12
MW-28B	16I0590-11	V6020214.D	09/26/16 18:52
MW-44A	16I0590-12	V6020215.D	09/26/16 19:31
MW-44B	16I0590-13	V6020216.D	09/26/16 20:10
MW-44C	16I0590-14	V6020217.D	09/26/16 20:50
MW-47B	16I0590-15	V6020218.D	09/26/16 21:29
N-32	16I0590-16	V6020219.D	09/26/16 22:09

FORM V**ANALYSIS BATCH (SEQUENCE) SUMMARY****EPA 8260C**Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesSequence: Y6I2702Instrument: MSVOA7Calibration: YI60009

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y6I2702-TUN1	V710670.D	09/24/16 05:03
Calibration Check	Y6I2702-CCV1	V710671.D	09/24/16 05:30
LCS	BI61179-BS1	V710672.D	09/24/16 05:56
LCS Dup	BI61179-BSD1	V710673.D	09/24/16 06:22
Blank	BI61179-BLK1	V710674.D	09/24/16 06:48
MW-58A	16I0590-18	V710676.D	09/24/16 07:40
MW-58A	BI61179-MS1	V710677.D	09/24/16 08:07
MW-58A	BI61179-MSD1	V710678.D	09/24/16 08:32
MW-59B	16I0590-20	V710680.D	09/24/16 09:25
MW-B	16I0590-21	V710681.D	09/24/16 09:51
MW-42B	16I0590-22	V710682.D	09/24/16 10:17
MW-43A	16I0590-23	V710683.D	09/24/16 10:44
MW-43B	16I0590-24	V710684.D	09/24/16 11:10
MW-43C	16I0590-25	V710685.D	09/24/16 11:36
MW-53	16I0590-26	V710686.D	09/24/16 12:02
MW-54	16I0590-27	V710687.D	09/24/16 12:28
MW-B1	16I0590-28	V710688.D	09/24/16 12:54
MW-B4	16I0590-29	V710689.D	09/24/16 13:21
Trip Blank-SA	16I0590-30	V710690.D	09/24/16 13:46
Trip Blank-BM	16I0590-31	V710691.D	09/24/16 14:12

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory:York Analytical Laboratories, Inc.

SDG:16I0590

Client:Leggette Brashears & Graham Shelton Office

Project:Rowe Industries

Sequence:Y6I2703

Instrument:VOA No. 8

Calibration:YI60005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y6I2703-TUN1	V8003741.D	09/26/16 14:49
Calibration Check	Y6I2703-CCV1	V8003742.D	09/26/16 15:21
LCS	BI61212-BS1	V8003743.D	09/26/16 15:54
LCS Dup	BI61212-BSD1	V8003744.D	09/26/16 16:21
Blank	BI61212-BLK1	V8003746.D	09/26/16 17:17
Field Blank-BM	16I0590-33	V8003747.D	09/26/16 17:44
RW-3	16I0590-34	V8003748.D	09/26/16 18:12
RW-4	16I0590-35	V8003749.D	09/26/16 18:40
RW-6	16I0590-36	V8003750.D	09/26/16 19:08
Field Blank-SA	16I0590-32	V8003751.D	09/26/16 19:35

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory:York Analytical Laboratories, Inc.

SDG:16I0590

Client:Leggette Brashears & Graham Shelton Office

Project:Rowe Industries

Sequence:Y6I2713

Instrument:VOA No. 8

Calibration:YI60005

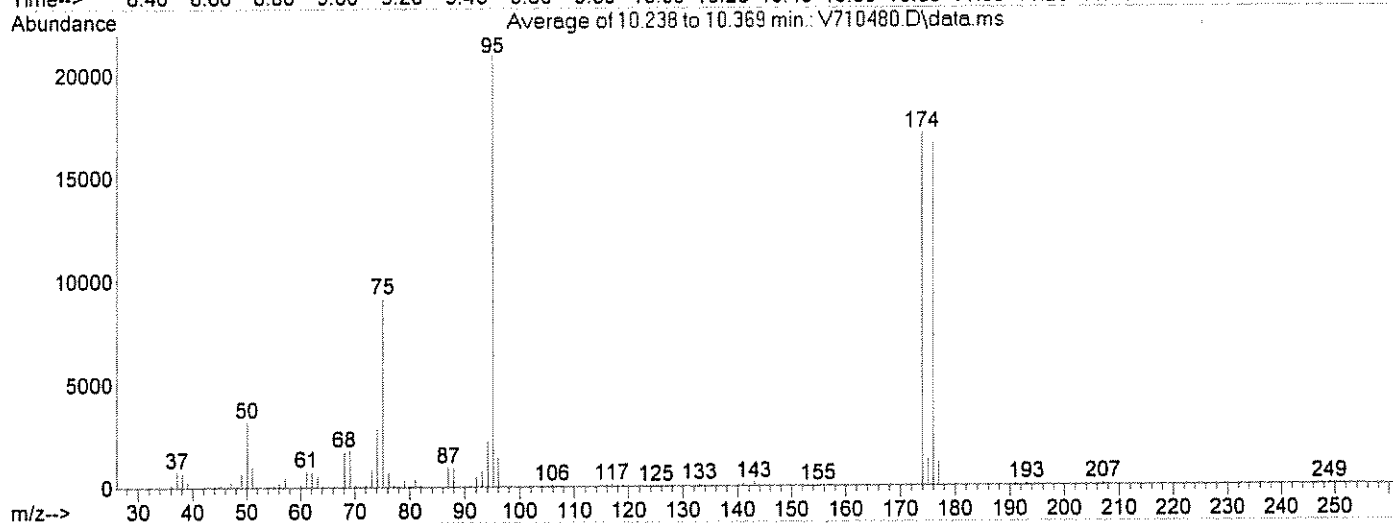
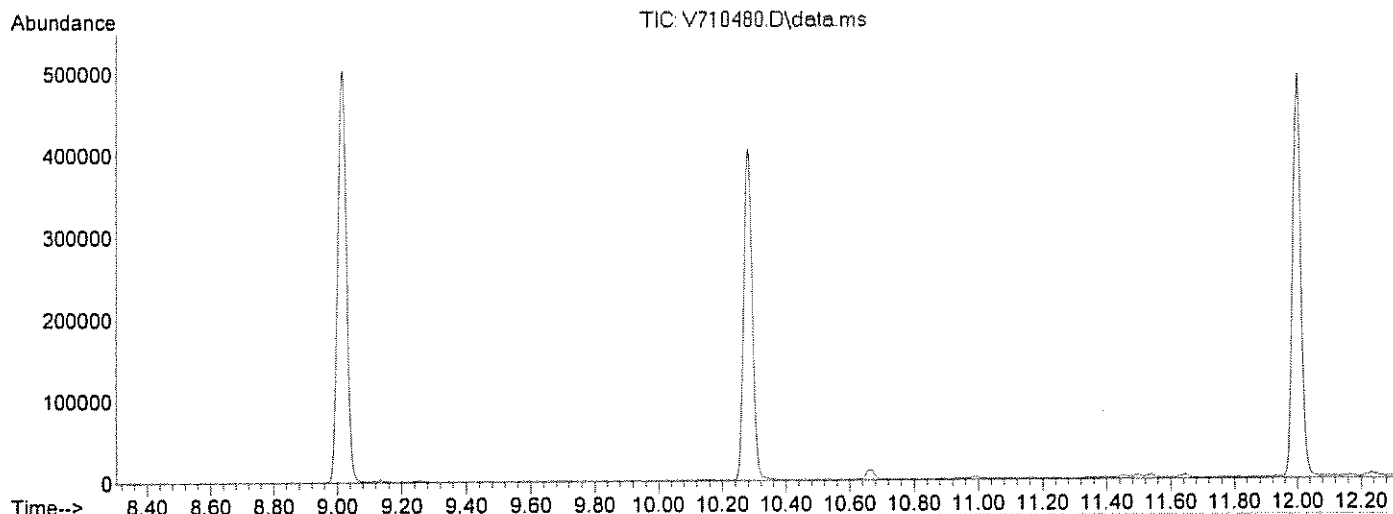
Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y6I2713-TUN1	V8003781.D	09/27/16 09:57
Calibration Check	Y6I2713-CCV1	V8003782.D	09/27/16 10:24
LCS	BI61289-BS1	V8003783.D	09/27/16 11:12
LCS Dup	BI61289-BSD1	V8003784.D	09/27/16 11:39
Blank	BI61289-BLK1	V8003786.D	09/27/16 12:35
N-32B	16I0590-17	V8003787.D	09/27/16 13:03

Data Path : C:\msdchem\1\data\V7091616\
Data File : V710480.D
Acq On : 16 Sep 2016 2:09 pm
Operator : SS
Sample : SEQ-TUN1
Sample : SEQ-TUN1
Misc : QBV7091616A
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA7

Integration File: rteint.p

Method : C:\msdchem\1\methods\V7LO0059.M
Title : Volatile Organics EPA 8260C
Last Update : Tue Sep 13 10:34:16 2016



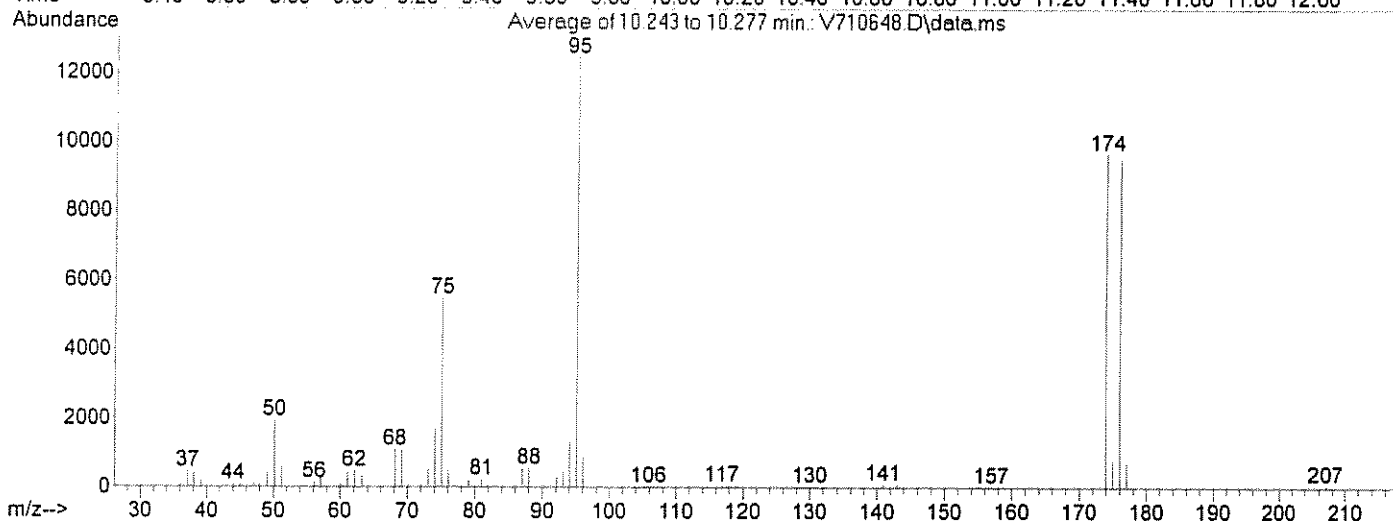
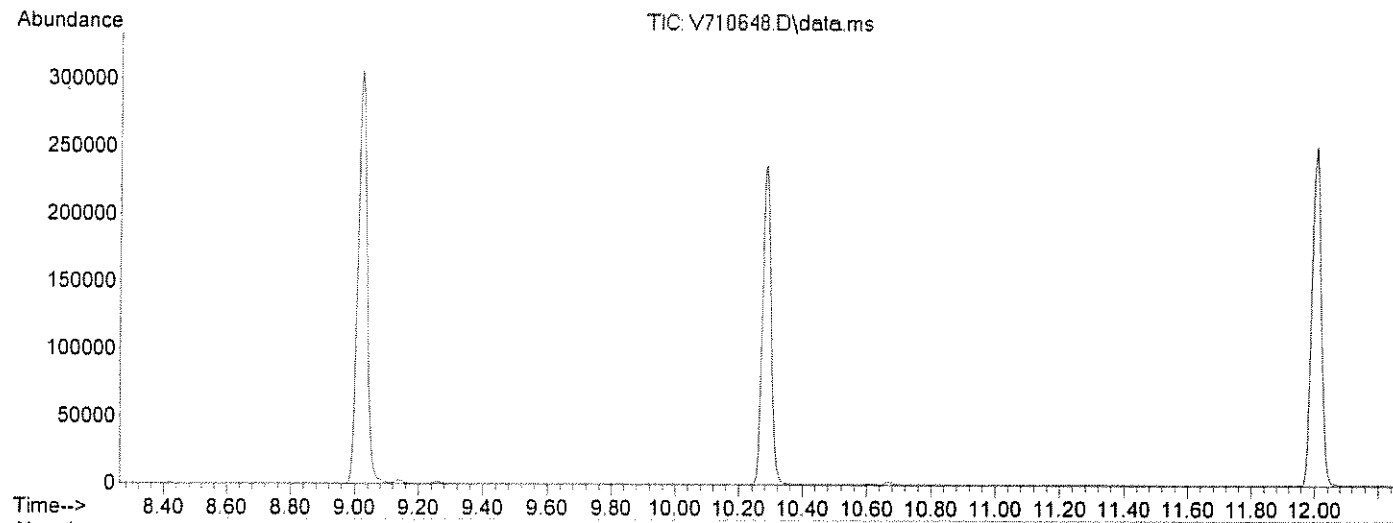
Spectrum Information: Average of 10.238 to 10.369 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.1	3175	PASS
75	95	30	60	43.6	9145	PASS
95	95	100	100	100.0	20970	PASS
96	95	5	9	6.8	1416	PASS
173	174	0.00	2	0.0	6	PASS
174	95	50	100	81.6	17109	PASS
175	174	5	9	7.5	1282	PASS
176	174	95	101	97.0	16601	PASS
177	176	5	9	7.0	1156	PASS

Data Path : C:\msdchem\1\data\V7092216\
Data File : V710648.D
Acq On : 22 Sep 2016 8:29 pm
Operator : SS
Sample : SEQ-TUN1
Sample : SEQ-TUN1
Misc : QBV7092216B CT RCP A
ALS Vial : 26 Sample Multiplier: 1
Inst : MSVOA7

Integration File: rteint.p

Method : C:\msdchem\1\methods\V7LO0060.M
Title : Volatile Organics EPA 8260C
Last Update : Mon Sep 19 11:38:14 2016



Spectrum Information: Average of 10.243 to 10.277 min.

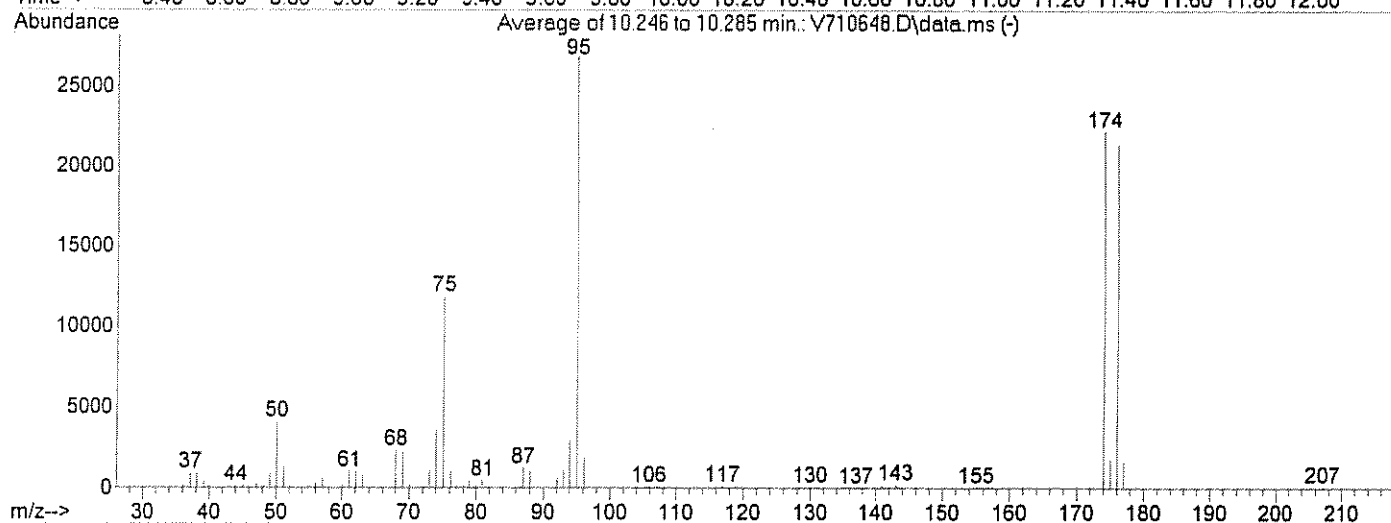
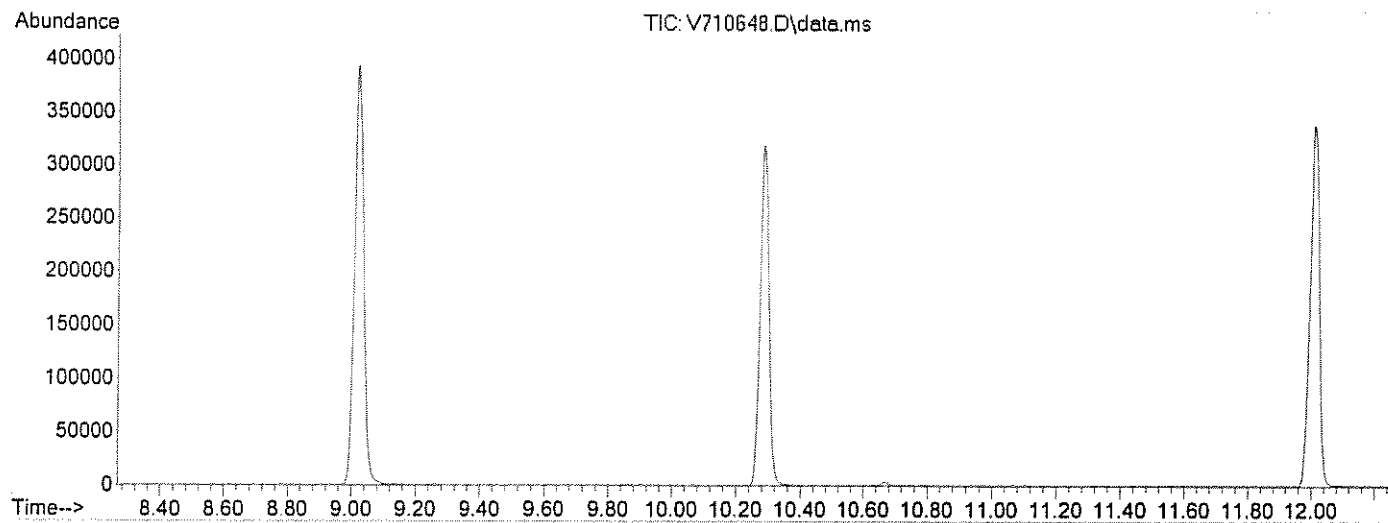
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.4	1927	PASS
75	95	30	60	43.7	5469	PASS
95	95	100	100	100.0	12522	PASS
96	95	5	9	7.1	895	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.2	9662	PASS
175	174	5	9	8.1	786	PASS
176	174	95	101	98.7	9533	PASS
177	176	5	9	7.4	707	PASS

Data Path : C:\msdchem\1\data\V7092316\
Data File : V710648.D
Acq On : 23 Sep 2016 7:33 pm
Operator : SS
Sample : SEQ-TUN1
Sample : SEQ-TUN1
Misc : QBV7092316B
ALS Vial : 24 Sample Multiplier: 1

Inst : MSVOA7

Integration File: rteint.p

Method : C:\msdchem\1\methods\V7LO0060.M
Title : Volatile Organics EPA 8260C
Last Update : Mon Sep 19 11:38:14 2016



Spectrum Information: Average of 10.246 to 10.285 min.

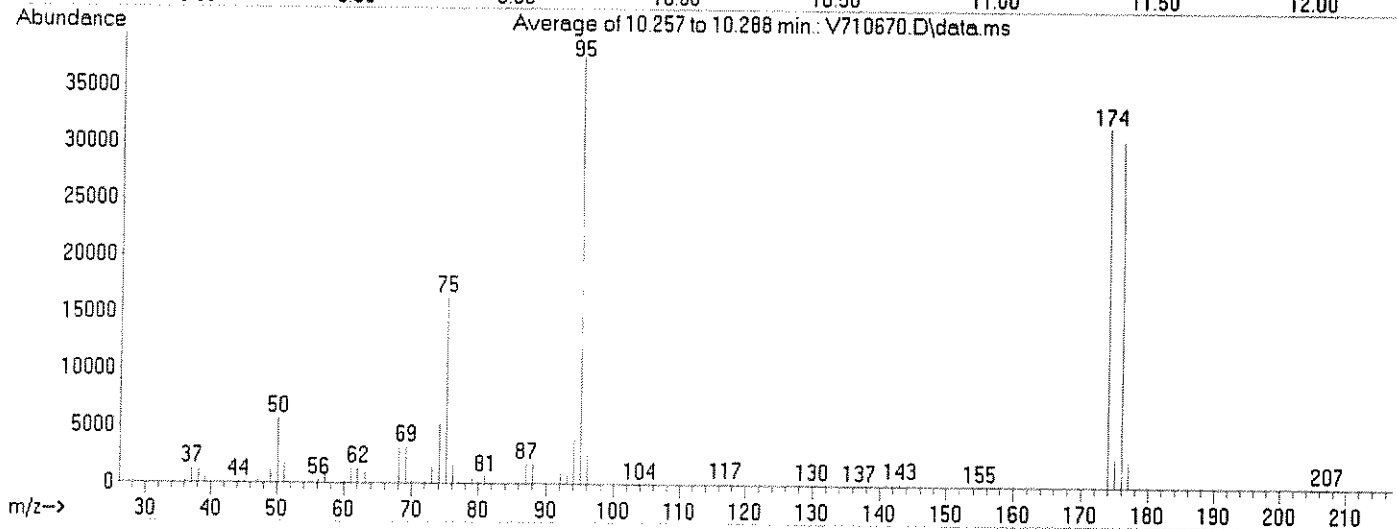
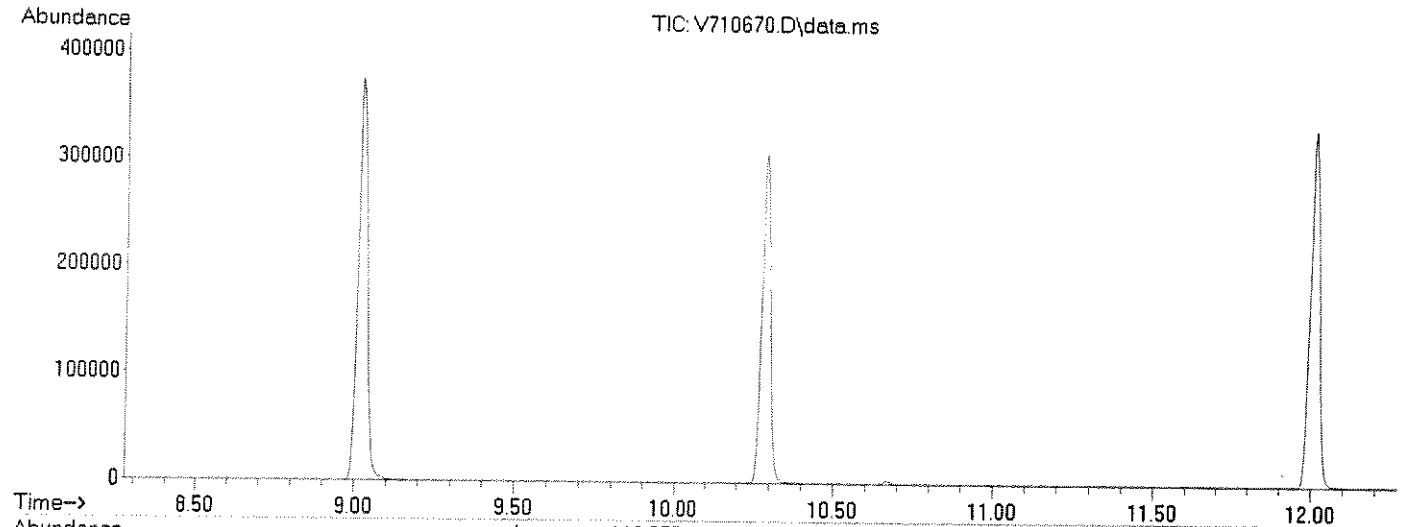
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.1	4062	PASS
75	95	30	60	44.0	11826	PASS
95	95	100	100	100.0	26864	PASS
96	95	5	9	7.0	1887	PASS
173	174	0.00	2	0.0	7	PASS
174	95	50	100	82.5	22174	PASS
175	174	5	9	8.0	1766	PASS
176	174	95	101	96.2	21339	PASS
177	176	5	9	7.5	1590	PASS

Data Path : C:\msdchem\1\data\V7092316\
Data File : V710670.D
Acq On : 24 Sep 2016 5:03 am
Operator : SS
Sample : SEQ-TUN1
Sample : SEQ-TUN1
Misc : QBV7092316B
ALS Vial : 46 Sample Multiplier: 1

Inst : MSVOA7

Integration File: rteint.p

Method : C:\msdchem\1\methods\V7LO0060.M
Title : Volatile Organics EPA 8260C
Last Update : Mon Sep 19 11:38:14 2016



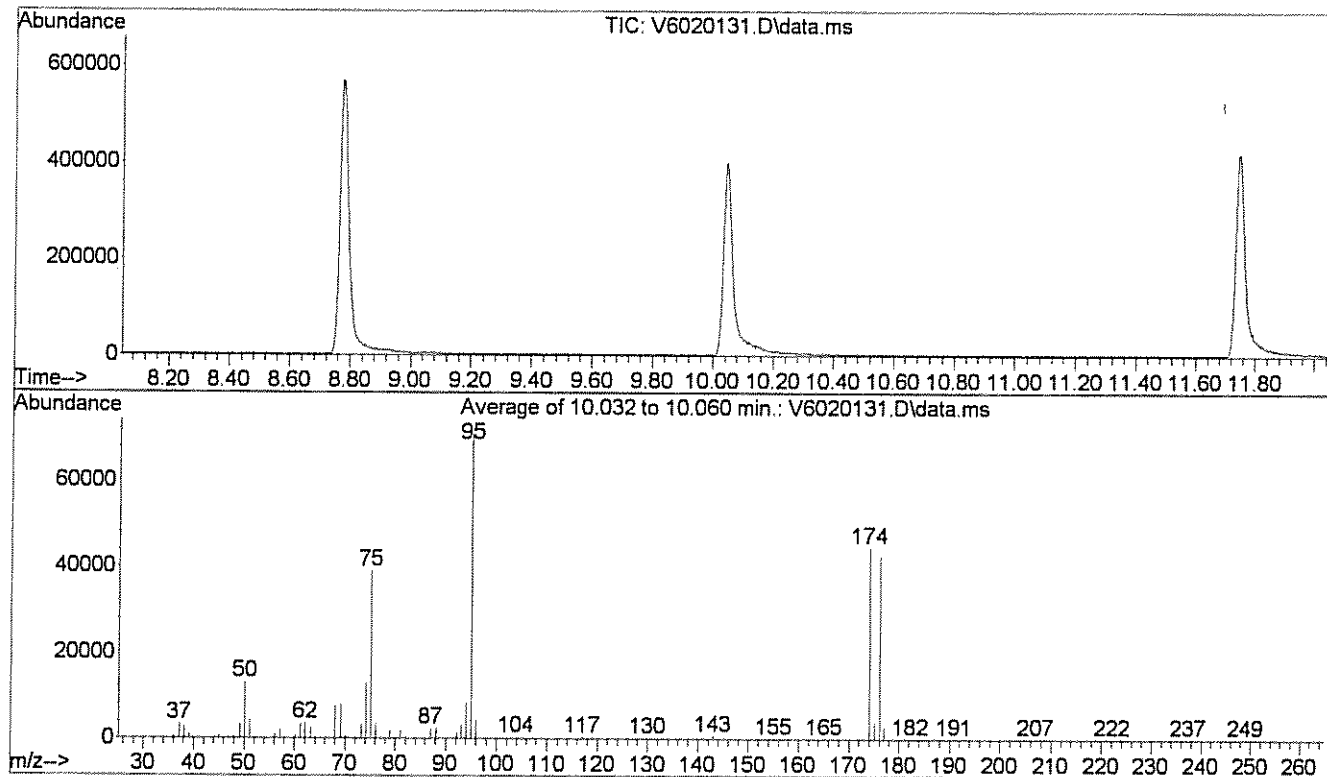
Spectrum Information: Average of 10.257 to 10.288 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.0	5662	PASS
75	95	30	60	43.4	16361	PASS
95	95	100	100	100.0	37666	PASS
96	95	5	9	7.0	2626	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	83.9	31594	PASS
175	174	5	9	7.7	2420	PASS
176	174	95	101	96.5	30502	PASS
177	176	5	9	7.1	2171	PASS

Data Path : C:\msdchem\1\DATA\V6092216\
Data File : V6020131.D
Acq On : 22 Sep 2016 2:58 pm
Operator : SS
Sample : SEQ-TUN1
Misc : QBV6092216A
ALS Vial : 8 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\V6LO0098.M
Title : Volatile Organics EPA 8260C
Last Update : Mon Sep 12 10:05:28 2016



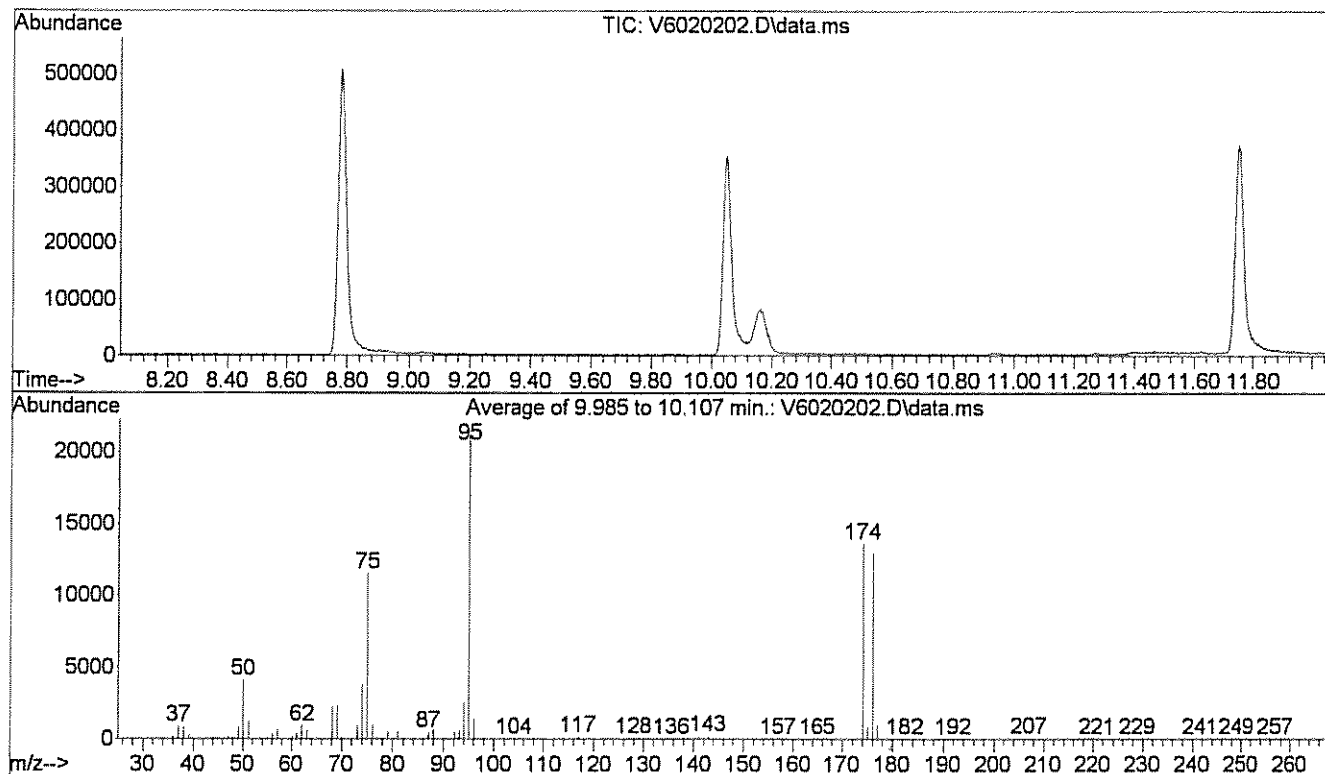
Spectrum Information: Average of 10.032 to 10.060 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	13010	PASS
75	95	30	60	54.9	38852	PASS
95	95	100	100	100.0	70812	PASS
96	95	5	9	6.2	4416	PASS
173	174	0.00	2	0.3	152	PASS
174	95	50	100	62.9	44516	PASS
175	174	5	9	8.4	3723	PASS
176	174	95	101	95.4	42484	PASS
177	176	5	9	6.3	2661	PASS

Data Path : C:\msdchem\1\DATA\V6092616\
Data File : V6020202.D
Acq On : 26 Sep 2016 9:55 am
Operator : SS
Sample : SEQ-TUN1
Misc : QBV6092616A
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\V6LO0099.M
Title : Volatile Organics EPA 8260C
Last Update : Fri Sep 23 12:01:14 2016



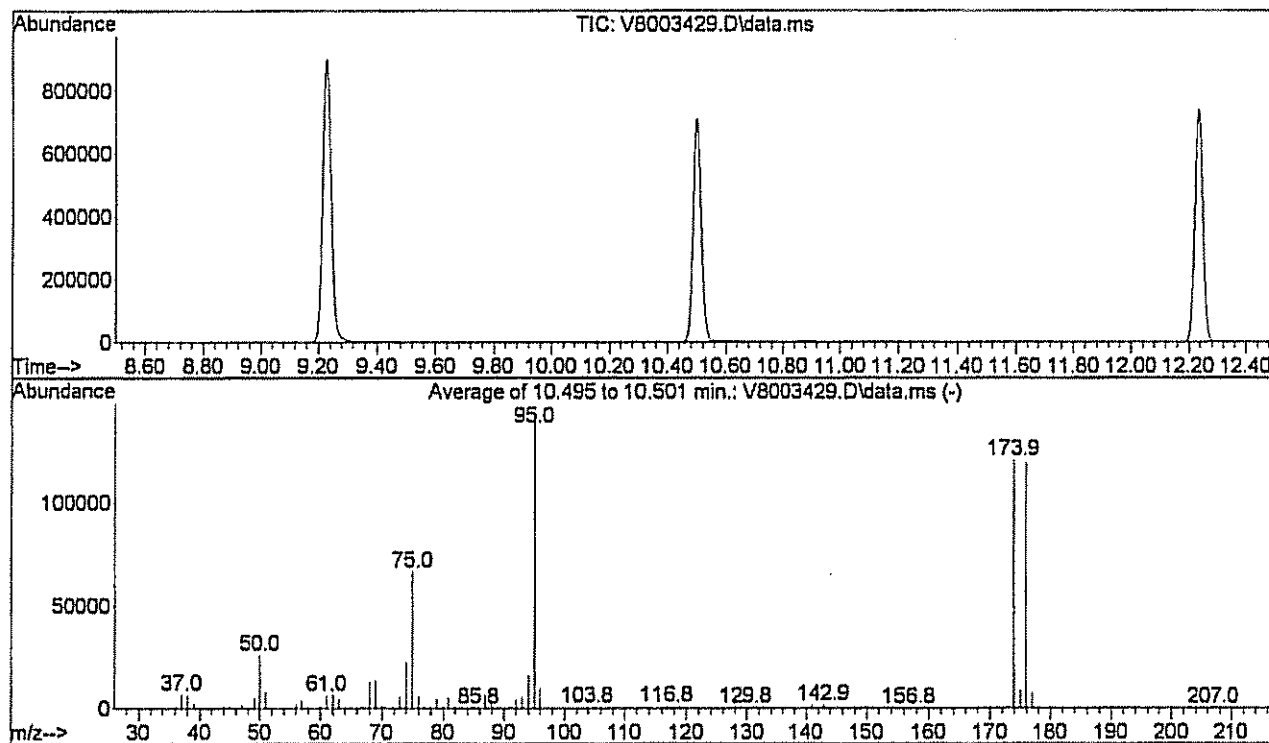
Spectrum Information: Average of 9.985 to 10.107 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	4079	PASS
75	95	30	60	54.4	11513	PASS
95	95	100	100	100.0	21173	PASS
96	95	5	9	6.6	1390	PASS
173	174	0.00	2	0.6	76	PASS
174	95	50	100	64.1	13566	PASS
175	174	5	9	6.3	854	PASS
176	174	95	101	95.4	12937	PASS
177	176	5	9	7.2	929	PASS

Data Path : C:\msdchem\1\data\091416\
Data File : V8003429.D
Acq On : 14 Sep 2016 1:33 pm
Operator : BK
Sample : SEQ-TUN1
Misc : V8091416A
ALS Vial : 8 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\V8LO0015.M
Title : Volatile Organics EPA 8260C
Last Update : Thu Sep 15 08:36:22 2016



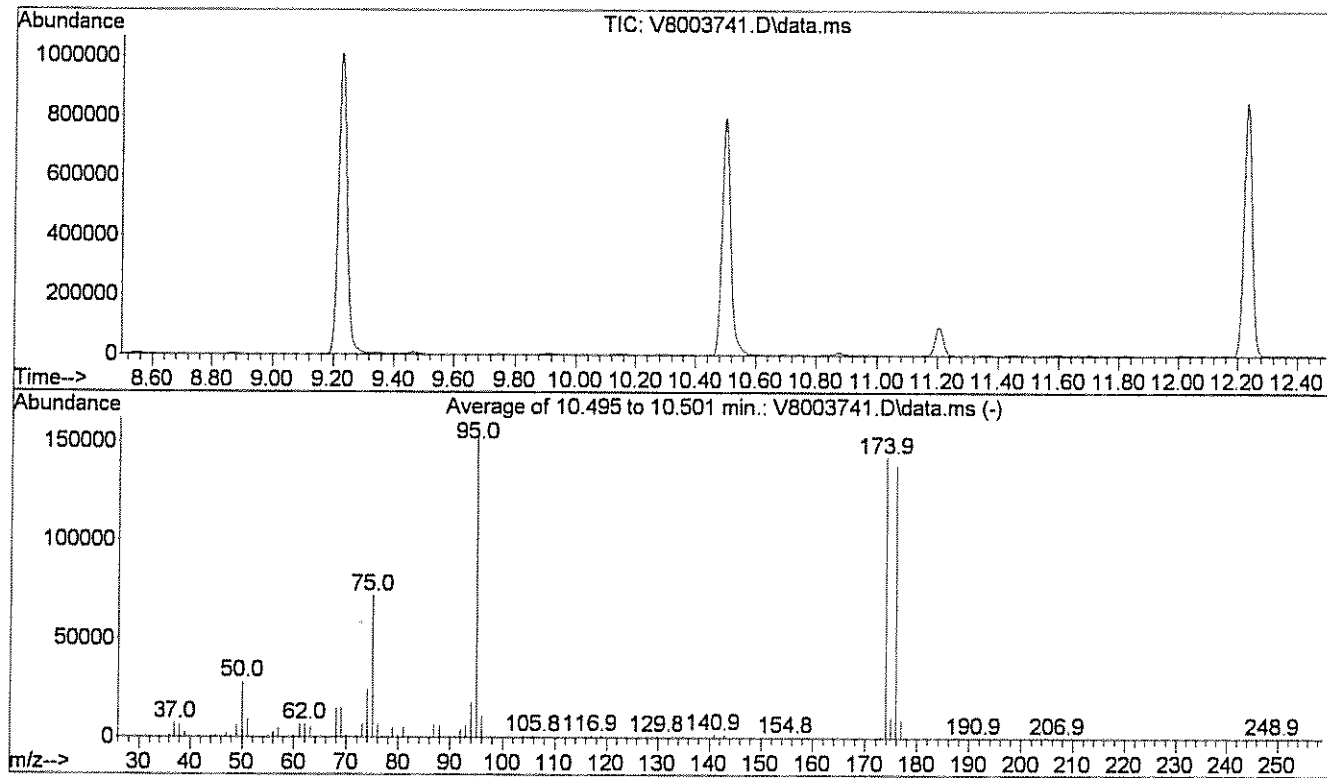
AutoFind: Scans 3339, 3340, 3341; Background Corrected with Scan 3321

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	25883	PASS
75	95	30	60	46.9	66427	PASS
95	95	100	100	100.0	141504	PASS
96	95	5	9	6.8	9552	PASS
173	174	0.00	2	0.5	660	PASS
174	95	50	100	85.4	120907	PASS
175	174	5	9	7.2	8758	PASS
176	174	95	101	98.6	119261	PASS
177	176	5	9	6.3	7459	PASS

Data Path : C:\msdchem\1\data\092616\
 Data File : V8003741.D
 Acq On : 26 Sep 2016 2:49 pm
 Operator : BK
 Sample : SEQ-TUN1
 Misc : V8092616A
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\V8LO0015.M
 Title : Volatile Organics EPA 8260C
 Last Update : Thu Sep 15 08:36:22 2016



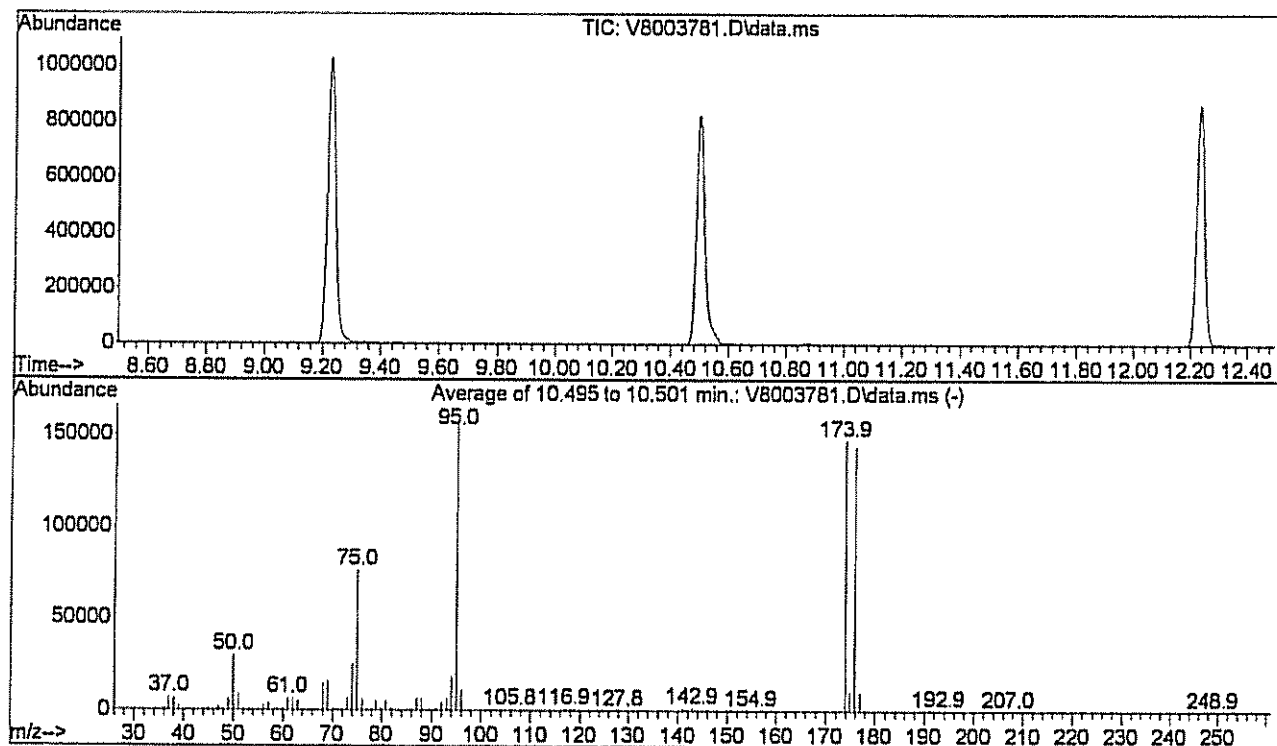
AutoFind: Scans 3339, 3340, 3341; Background Corrected with Scan 3321

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.2	28096	PASS
75	95	30	60	46.6	71907	PASS
95	95	100	100	100.0	154347	PASS
96	95	5	9	7.0	10750	PASS
173	174	0.00	2	0.5	676	PASS
174	95	50	100	92.2	142336	PASS
175	174	5	9	7.0	9994	PASS
176	174	95	101	97.2	138349	PASS
177	176	5	9	6.6	9105	PASS

Data Path : C:\msdchem\1\data\092716\
Data File : V8003781.D
Acq On : 27 Sep 2016 9:57 am
Operator : BK
Sample : SEQ-TUN1
Misc : V8092716A
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\V8L00015.M
Title : Volatile Organics EPA 8260C
Last Update : Thu Sep 15 08:36:22 2016



AutoFind: Scans 3339, 3340, 3341; Background Corrected with Scan 3321

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	29653	PASS
75	95	30	60	48.1	76251	PASS
95	95	100	100	100.0	158528	PASS
96	95	5	9	6.8	10714	PASS
173	174	0.00	2	0.5	667	PASS
174	95	50	100	93.1	147541	PASS
175	174	5	9	7.3	10710	PASS
176	174	95	101	97.9	144427	PASS
177	176	5	9	6.8	9805	PASS

FORM I**METHOD BLANK DATA SHEET****EPA 8260C**

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
Matrix: Water Laboratory ID: BI61100-BLK1 File ID: V710653.D
Prepared: 09/22/16 20:06 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
Analyzed: 09/22/16 22:39 Instrument: MSVOA7
Batch: BI61100 Sequence: Y612626 Calibration: Y160009

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
563-58-6	1,1-Dichloropropylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
591-78-6	2-Hexanone	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
67-64-1	Acetone	2.0	U
71-43-2	Benzene	0.50	U
108-86-1	Bromobenzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U

FORM I

METHOD BLANK DATA SHEET
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: BI61100-BLK1 File ID: V710653.D
 Prepared: 09/22/16 20:06 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Analyzed: 09/22/16 22:39 Instrument: MSVOA7
 Batch: BI61100 Sequence: Y612626 Calibration: YI60009

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-25-2	Bromoform	0.50	U
74-83-9	Bromomethane	2.0	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
75-09-2	Methylene chloride	1.2	J
91-20-3	Naphthalene	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U

FORM I

METHOD BLANK DATA SHEET
EPA 8260C

Laboratory:York Analytical Laboratories, Inc.SDG:16I0590

Client:Leggette Brashears & Graham Shelton OfficeProject:Rowe Industries

Matrix:WaterLaboratory ID:BI61100-BLK1File ID:V710653.D

Prepared:09/22/16 20:06Preparation:EPA 5030BInitial/Final:25 mL / 25 mL

Analyzed:09/22/16 22:39Instrument:MSVOA7

Batch:BI61100Sequence:Y6I2626Calibration:YI60009

CAS NO.	COMPOUND	CONC. (ug/L)	Q
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.2	102	69 - 130	
Toluene-d8	10.0	9.81	98.1	81 - 117	
p-Bromofluorobenzene	10.0	9.96	99.6	79 - 122	

Data Path : C:\msdchem\1\data\V7092216\
 Data File : V710653.D
 Acq On : 22 Sep 2016 10:39 pm
 InstName : MSV0A7
 Operator : SS
 Sample : BI61100-BLK1
 Misc : QBV7092216A
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 26 16:15:55 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

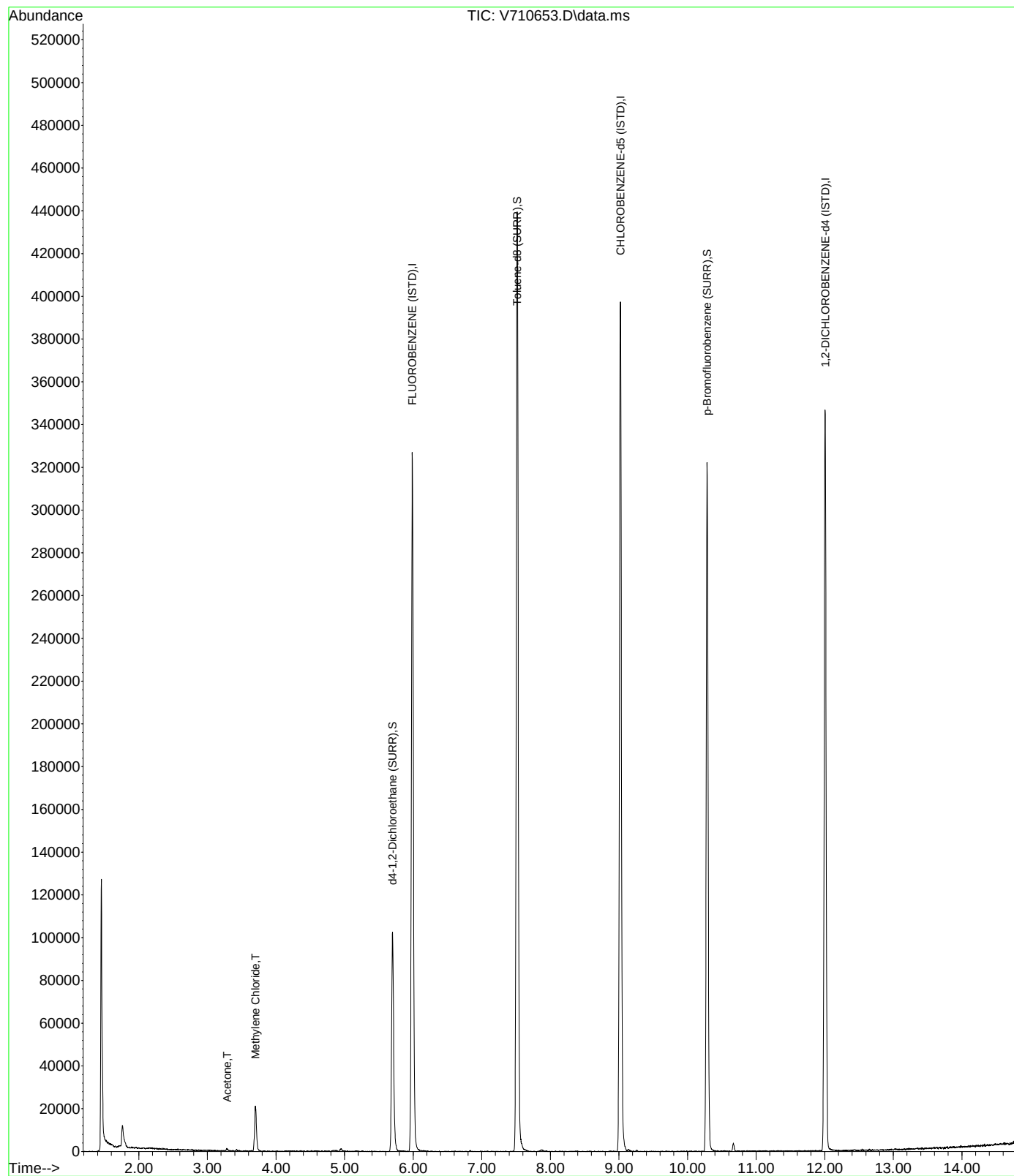
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

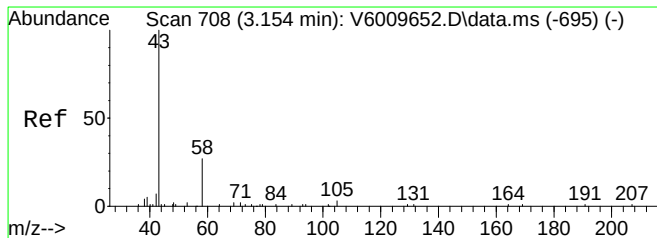
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.987	70	65317	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	284948	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.007	152	119414	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	70902	10.18	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.80%	
51) Toluene-d8 (SURR)	7.517	98	347629	9.81	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.10%	
70) p-Bromofluorobenzene (...)	10.285	95	133612	9.96	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.60%	
Target Compounds						Qvalue
12) Acetone	3.288	43	1134	0.68	ppb	94
17) Methylene Chloride	3.700	49	11573	1.17	ppb	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\V7092216\
Data File : V710653.D
Acq On : 22 Sep 2016 10:39 pm
InstName : MSV0A7
Operator : SS
Sample : BI61100-BLK1
Misc : QBV7092216A
ALS Vial : 31 Sample Multiplier: 1

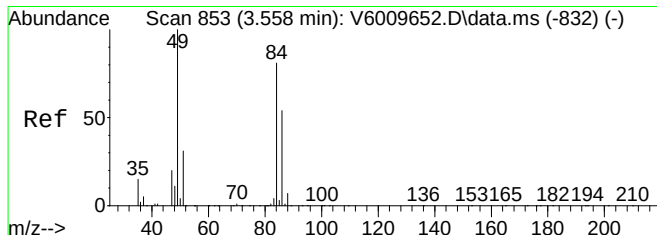
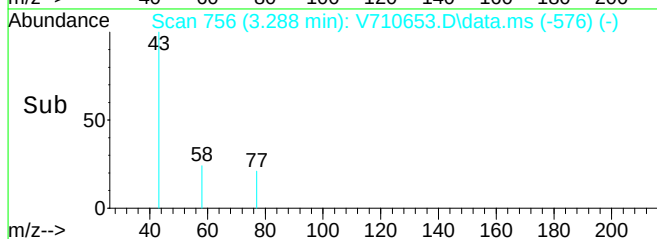
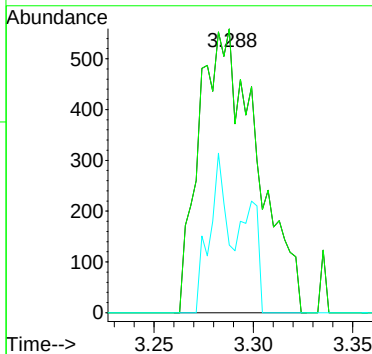
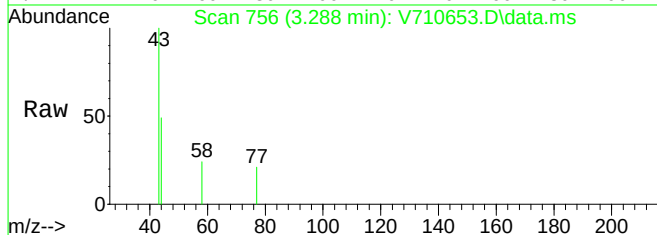
Quant Time: Sep 26 16:15:55 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





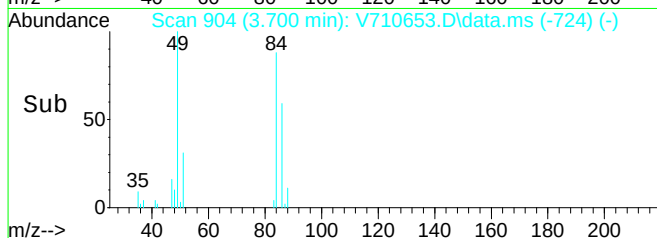
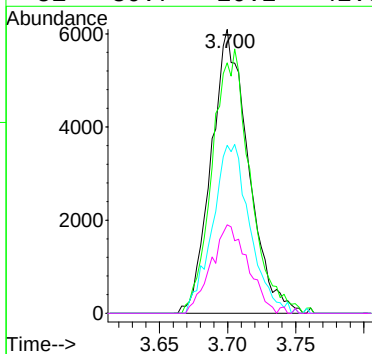
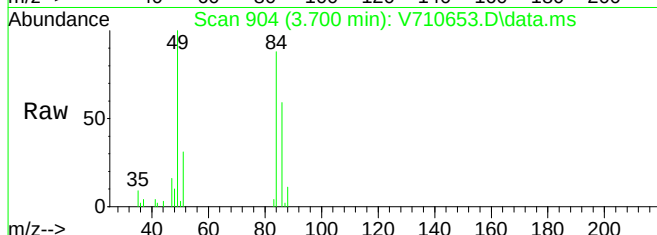
#12
Acetone
Concen: 0.68 ppb
RT: 3.288 min Scan# 756
Delta R.T. -0.000 min
Lab File: V710653.D
Acq: 22 Sep 2016 10:39 pm

Tgt Ion: 43 Resp: 1134
Ion Ratio Lower Upper
43 100
43 100.0 80.0 120.0
58 18.1 16.0 47.9



#17
Methylene Chloride
Concen: 1.17 ppb
RT: 3.700 min Scan# 904
Delta R.T. 0.000 min
Lab File: V710653.D
Acq: 22 Sep 2016 10:39 pm

Tgt Ion: 49 Resp: 11573
Ion Ratio Lower Upper
49 100
84 94.7 52.5 109.1
86 59.9 33.7 69.9
51 30.7 20.2 42.0



FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: BI61178-BLK1 File ID: V710652.D
 Prepared: 09/23/16 17:59 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Analyzed: 09/23/16 21:17 Instrument: MSVOA7
 Batch: BI61178 Sequence: Y612617 Calibration: Y160009

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
563-58-6	1,1-Dichloropropylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
591-78-6	2-Hexanone	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
67-64-1	Acetone	2.0	U
71-43-2	Benzene	0.50	U
108-86-1	Bromobenzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U

FORM I

METHOD BLANK DATA SHEET
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: BI61178-BLK1 File ID: V710652.D
 Prepared: 09/23/16 17:59 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Analyzed: 09/23/16 21:17 Instrument: MSVOA7
 Batch: BI61178 Sequence: Y612617 Calibration: YI60009

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-25-2	Bromoform	0.50	U
74-83-9	Bromomethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
75-09-2	Methylene chloride	2.0	U
91-20-3	Naphthalene	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:York Analytical Laboratories, Inc.SDG:1610590

Client:Leggette Brashears & Graham Shelton OfficeProject:Rowe Industries

Matrix:WaterLaboratory ID:BI61178-BLK1File ID:V710652.D

Prepared:09/23/16 17:59Preparation:EPA 5030BInitial/Final:25 mL / 25 mL

Analyzed:09/23/16 21:17Instrument:MSVOA7

Batch:BI61178Sequence:Y6I2617Calibration:YI60009

CAS NO.	COMPOUND	CONC. (ug/L)	Q
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.2	102	69 - 130	
Toluene-d8	10.0	9.70	97.0	81 - 117	
p-Bromofluorobenzene	10.0	10.1	101	79 - 122	

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710652.D
 Acq On : 23 Sep 2016 9:17 pm
 InstName : MSVOA7
 Operator : SS
 Sample : BI61178-BLK1
 Misc : QBV7092316B
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 26 13:05:57 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

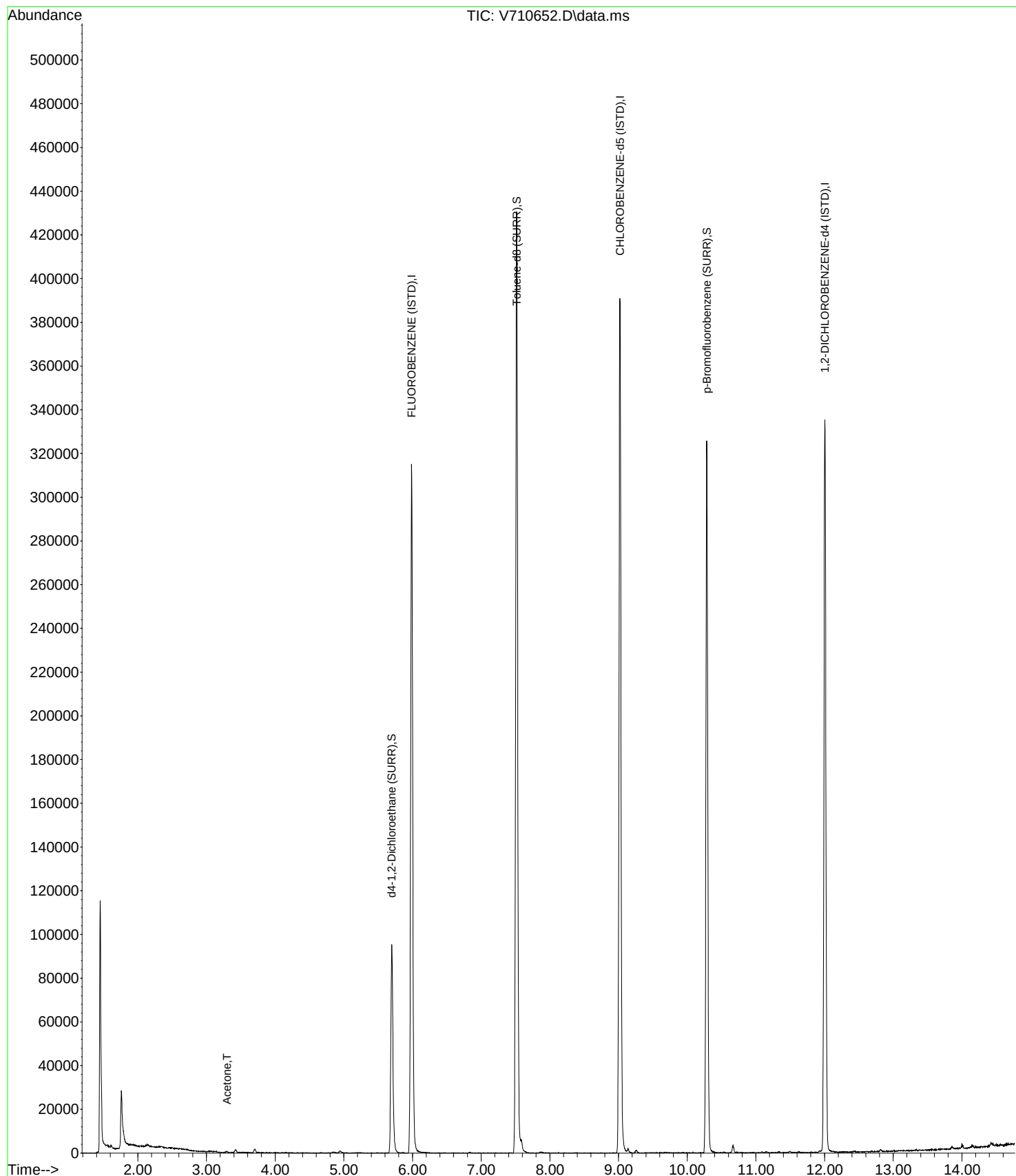
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

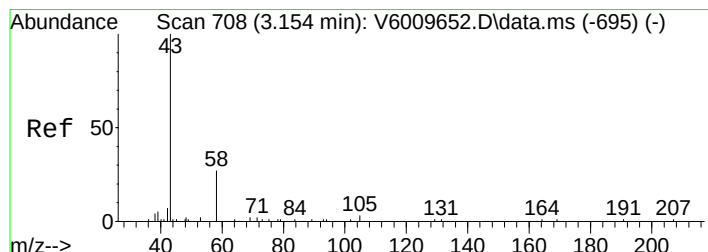
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.987	70	62522	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	281799	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	116579	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	67934	10.19	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	101.90%	
51) Toluene-d8 (SURR)	7.517	98	339850	9.70	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	97.00%	
70) p-Bromofluorobenzene (...)	10.285	95	132686	10.13	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	101.30%	
Target Compounds						
12) Acetone	3.299	43	920m	0.58	ppb	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : G:\MSV0A7 V7\DAILY DATA\V7092316\
Data File : V710652.D
Acq On : 23 Sep 2016 9:17 pm
InstName : MSV0A7
Operator : SS
Sample : BI61178-BLK1
Misc : QBV7092316B
ALS Vial : 28 Sample Multiplier: 1

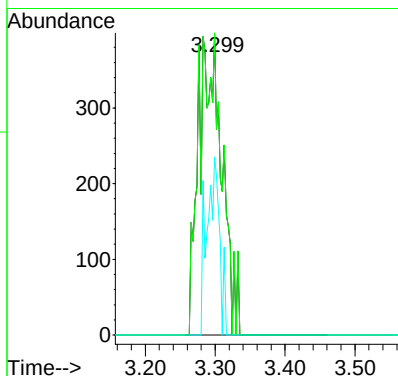
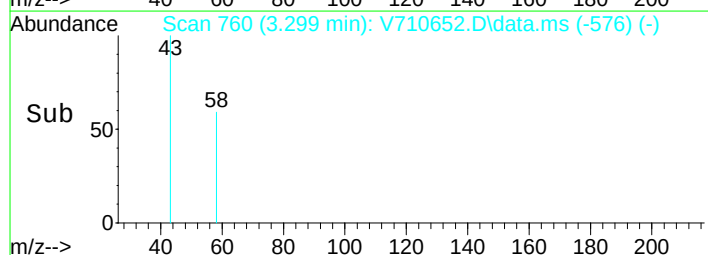
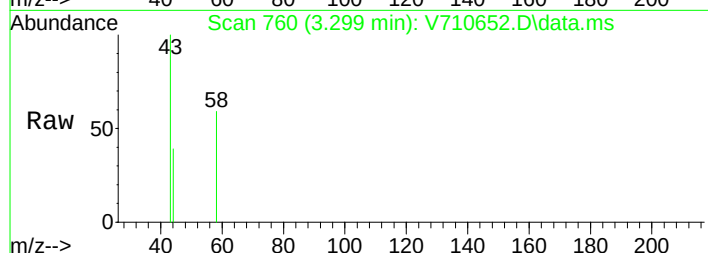
Quant Time: Sep 26 13:05:57 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





#12
 Acetone
 Concen: 0.58 ppb m
 RT: 3.299 min Scan# 760
 Delta R.T. 0.011 min
 Lab File: V710652.D
 Acq: 23 Sep 2016 9:17 pm

Tgt Ion: 43 Resp: 920
 Ion Ratio Lower Upper
 43 100
 43 47.1 80.0 120.0#
 58 32.5 16.0 47.9



FORM I**METHOD BLANK DATA SHEET
EPA 8260C**

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
Matrix: Water Laboratory ID: BI61179-BLK1 File ID: V710674.D
Prepared: 09/23/16 18:02 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
Analyzed: 09/24/16 06:48 Instrument: MSVOA7
Batch: BI61179 Sequence: Y612702 Calibration: Y160009

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
563-58-6	1,1-Dichloropropylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
591-78-6	2-Hexanone	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
67-64-1	Acetone	2.0	U
71-43-2	Benzene	0.50	U
108-86-1	Bromobenzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U

FORM I**METHOD BLANK DATA SHEET
EPA 8260C**

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
Matrix: Water Laboratory ID: BI61179-BLK1 File ID: V710674.D
Prepared: 09/23/16 18:02 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
Analyzed: 09/24/16 06:48 Instrument: MSVOA7
Batch: BI61179 Sequence: Y612702 Calibration: YI60009

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-25-2	Bromoform	0.50	U
74-83-9	Bromomethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
75-09-2	Methylene chloride	2.0	U
91-20-3	Naphthalene	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U

FORM I

METHOD BLANK DATA SHEET
EPA 8260C

Laboratory:York Analytical Laboratories, Inc.SDG:16I0590

Client:Leggette Brashears & Graham Shelton OfficeProject:Rowe Industries

Matrix:WaterLaboratory ID:BI61179-BLK1File ID:V710674.D

Prepared:09/23/16 18:02Preparation:EPA 5030BInitial/Final:25 mL / 25 mL

Analyzed:09/24/16 06:48Instrument:MSVOA7

Batch:BI61179Sequence:Y6I2702Calibration:YI60009

CAS NO.	COMPOUND	CONC. (ug/L)	Q
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.1	101	69 - 130	
Toluene-d8	10.0	9.72	97.2	81 - 117	
p-Bromofluorobenzene	10.0	10.1	101	79 - 122	

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710674.D
 Acq On : 24 Sep 2016 6:48 am
 InstName : MSVOA7
 Operator : SS
 Sample : BI61179-BLK1
 Misc : QBV7092316B
 ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 26 10:45:57 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

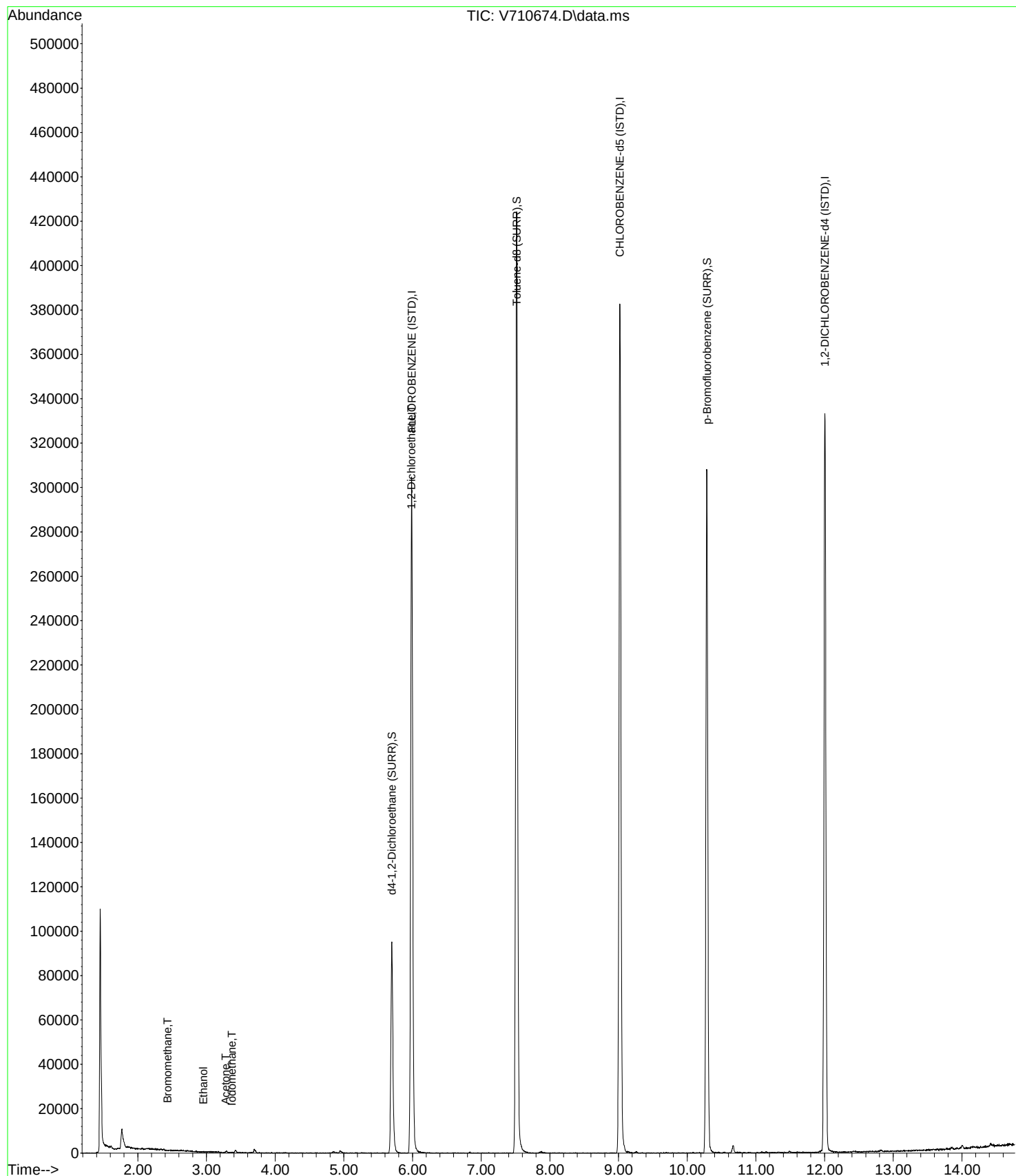
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

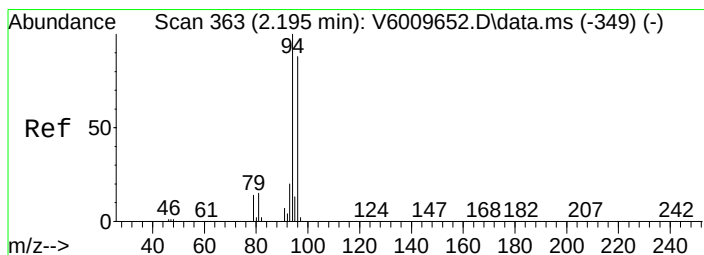
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.990	70	60619	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.019	117	274213	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	114973	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	65104	10.07	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	100.70%	
51) Toluene-d8 (SURR)	7.517	98	331309	9.72	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	97.20%	
70) p-Bromofluorobenzene (...)	10.288	95	130721	10.12	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	101.20%	
Target Compounds						
5) Bromomethane	2.431	94	21	3.45	ppb	Qvalue 99
8) Ethanol	2.951	45	25	1.11	ppb	100
12) Acetone	3.280	43	358	0.23	ppb	# 92
13) Iodomethane	3.369	142	163	4.02	ppb	# 82
37) 1,2-Dichloroethane	5.981	62	1687	0.23	ppb	# 89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : G:\MSV0A7 V7\DAILY DATA\V7092316\
Data File : V710674.D
Acq On : 24 Sep 2016 6:48 am
InstName : MSV0A7
Operator : SS
Sample : BI61179-BLK1
Misc : QBV7092316B
ALS Vial : 50 Sample Multiplier: 1

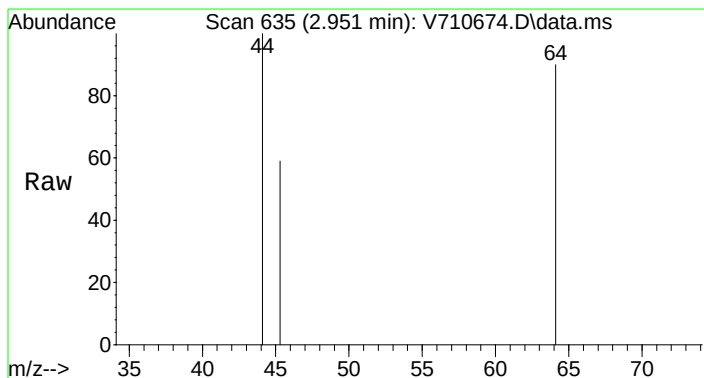
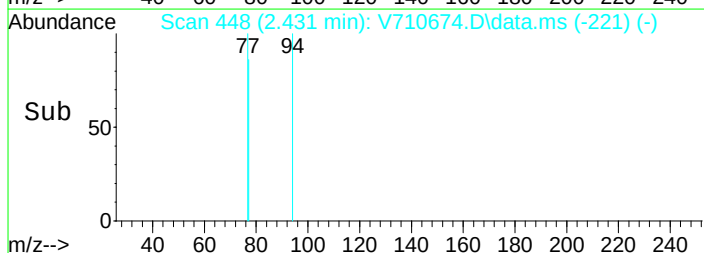
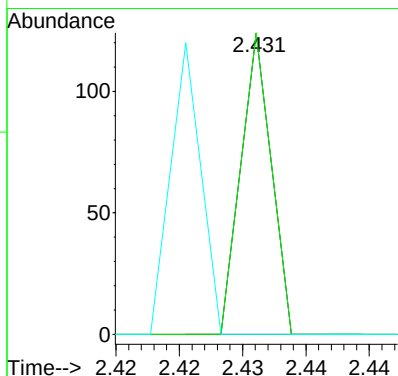
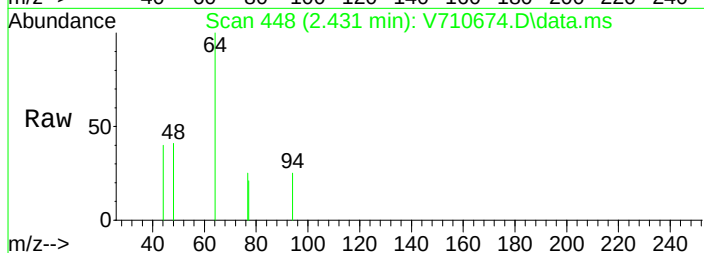
Quant Time: Sep 26 10:45:57 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration





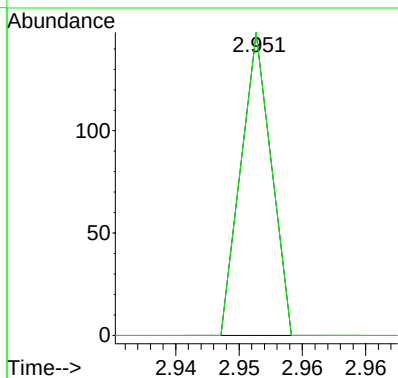
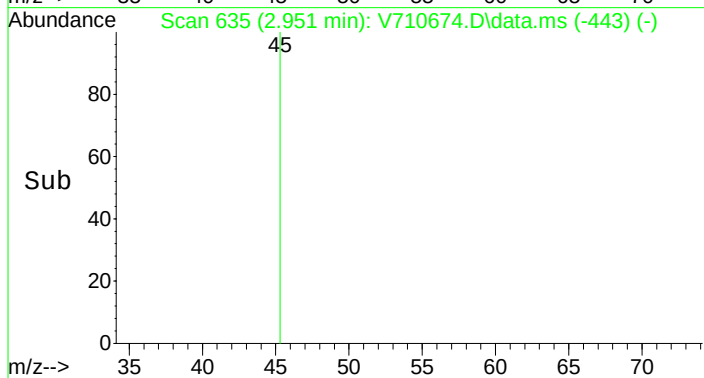
#5
Bromomethane
Concen: 3.45 ppb
RT: 2.431 min Scan# 448
Delta R.T. 0.131 min
Lab File: V710674.D
Acq: 24 Sep 2016 6:48 am

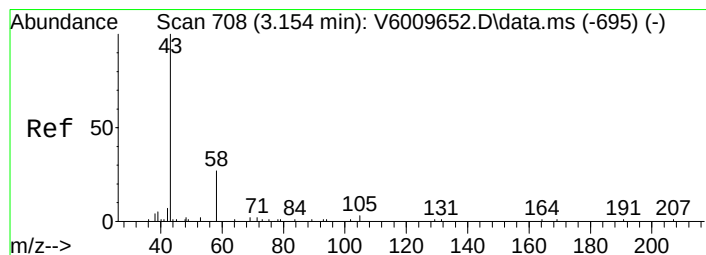
Tgt Ion	Ratio	Lower	Upper
94	100		
94	100.0	50.0	150.0
96	95.2	46.2	138.6



#8
Ethanol
Concen: 1.11 ppb
RT: 2.951 min Scan# 635
Delta R.T. 0.033 min
Lab File: V710674.D
Acq: 24 Sep 2016 6:48 am

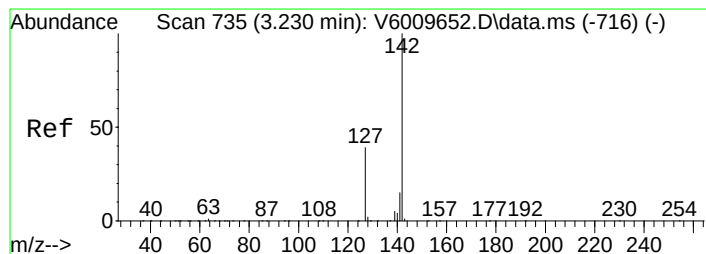
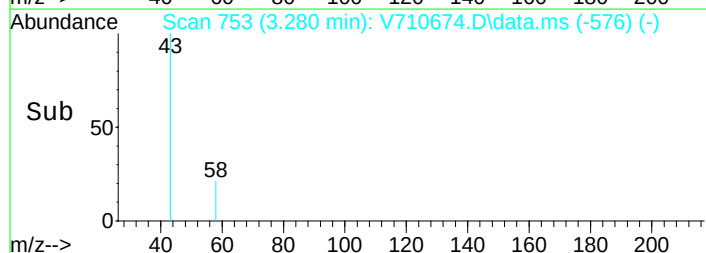
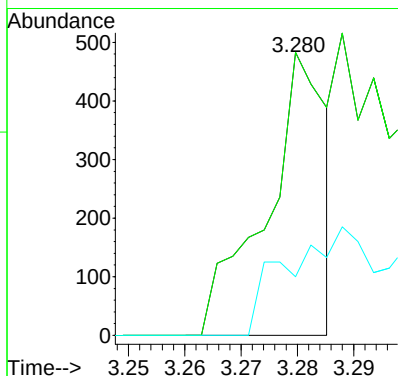
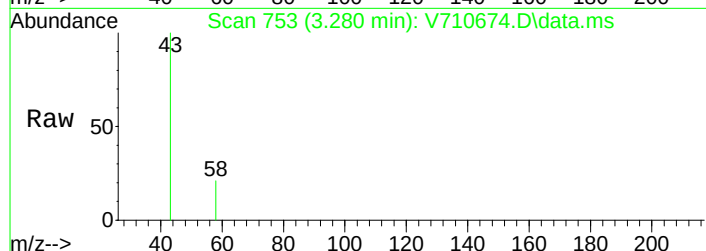
Tgt Ion	Ratio	Lower	Upper
45	100		
45	100.0	50.0	150.0





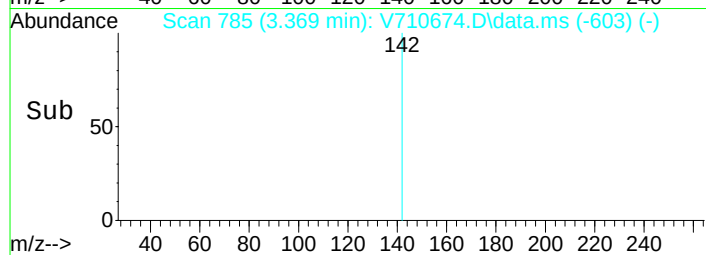
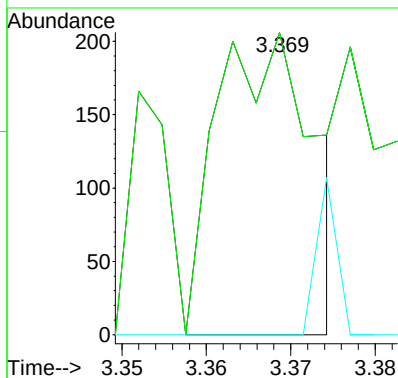
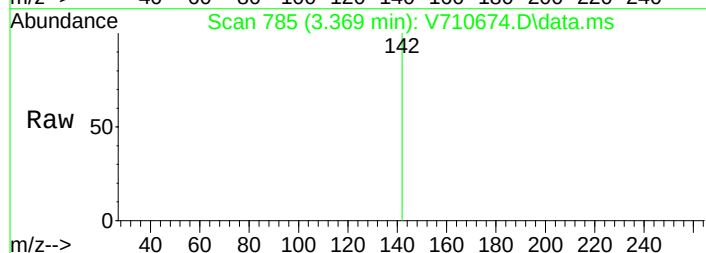
#12
Acetone
Concen: 0.23 ppb
RT: 3.280 min Scan# 753
Delta R.T. -0.008 min
Lab File: V710674.D
Acq: 24 Sep 2016 6:48 am

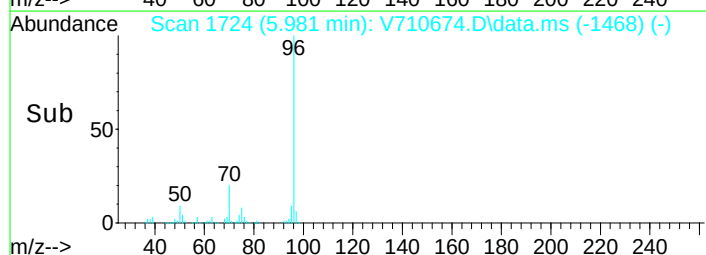
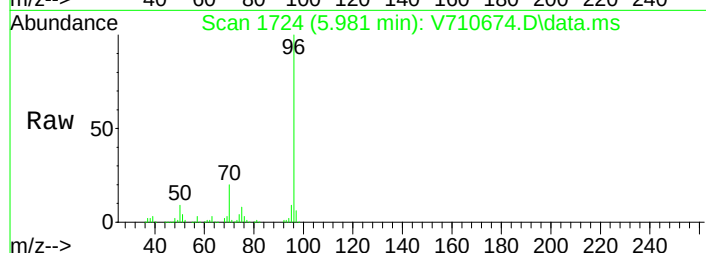
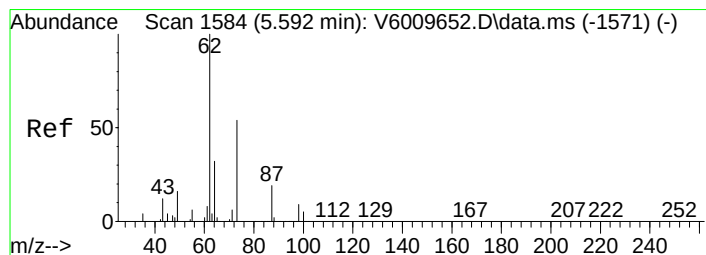
Tgt Ion: 43 Resp: 358
Ion Ratio Lower Upper
43 100
43 100.0 80.0 120.0
58 50.8 16.0 47.9#



#13
Iodomethane
Concen: 4.02 ppb
RT: 3.369 min Scan# 785
Delta R.T. 0.006 min
Lab File: V710674.D
Acq: 24 Sep 2016 6:48 am

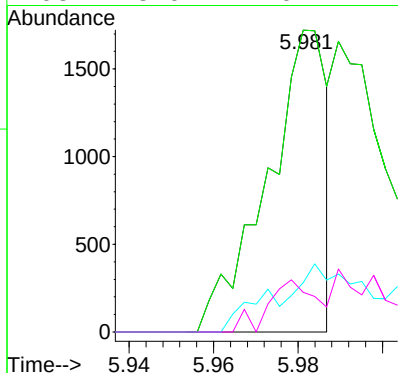
Tgt Ion: 142 Resp: 163
Ion Ratio Lower Upper
142 100
142 100.0 80.0 120.0
127 0.0 19.7 59.1#





#37
 1,2-Dichloroethane
 Concen: 0.23 ppb
 RT: 5.981 min Scan# 1724
 Delta R.T. 0.212 min
 Lab File: V710674.D
 Acq: 24 Sep 2016 6:48 am

Tgt Ion:	62	Resp:	1687
Ion Ratio	Lower	Upper	
62	100		
62	100.0	80.0	120.0
64	8.1	16.3	48.8#
98	13.9	4.9	14.7



FORM I**METHOD BLANK DATA SHEET
EPA 8260C**

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
Matrix: Water Laboratory ID: BI61211-BLK1 File ID: V6020207.D
Prepared: 09/26/16 08:39 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
Analyzed: 09/26/16 13:13 Instrument: MSVOA6
Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
563-58-6	1,1-Dichloropropylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
591-78-6	2-Hexanone	2.0	U
106-43-4	4-Chlorotoluene	0.50	U
67-64-1	Acetone	2.0	U
71-43-2	Benzene	0.50	U
108-86-1	Bromobenzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U

FORM I**METHOD BLANK DATA SHEET
EPA 8260C**

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
Matrix: Water Laboratory ID: BI61211-BLK1 File ID: V6020207.D
Prepared: 09/26/16 08:39 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
Analyzed: 09/26/16 13:13 Instrument: MSVOA6
Batch: BI61211 Sequence: Y612628 Calibration: UNASSIGNED

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-25-2	Bromoform	0.50	U
74-83-9	Bromomethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
75-09-2	Methylene chloride	2.0	U
91-20-3	Naphthalene	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	<u>York Analytical Laboratories, Inc.</u>	SDG:	<u>1610590</u>		
Client:	<u>Leggette Brashears & Graham Shelton Office</u>	Project:	<u>Rowe Industries</u>		
Matrix:	<u>Water</u>	Laboratory ID:	<u>BI61211-BLK1</u>	File ID:	<u>V6020207.D</u>
Prepared:	<u>09/26/16 08:39</u>	Preparation:	<u>EPA 5030B</u>	Initial/Final:	<u>25 mL / 25 mL</u>
Analyzed:	<u>09/26/16 13:13</u>	Instrument:	<u>MSVOA6</u>		
Batch:	<u>BI61211</u>	Sequence:	<u>Y6I2628</u>	Calibration:	<u>UNASSIGNED</u>

CAS NO.	COMPOUND	CONC. (ug/L)	Q
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	9.52	95.2	69 - 130	
Toluene-d8	10.0	10.3	103	81 - 117	
p-Bromofluorobenzene	10.0	10.0	100	79 - 122	

Data Path : C:\msdchem\1\DATA\V6092616\
 Data File : V6020207.D
 Acq On : 26 Sep 2016 1:13 pm
 InstName : MSVOA6
 Operator : SS
 Sample : BI61211-BLK1
 Misc : QBV6092616A
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 26 16:44:55 2016
 Quant Method : C:\msdchem\1\METHODS\V6L00099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 11:53:12 2016
 Response via : Initial Calibration

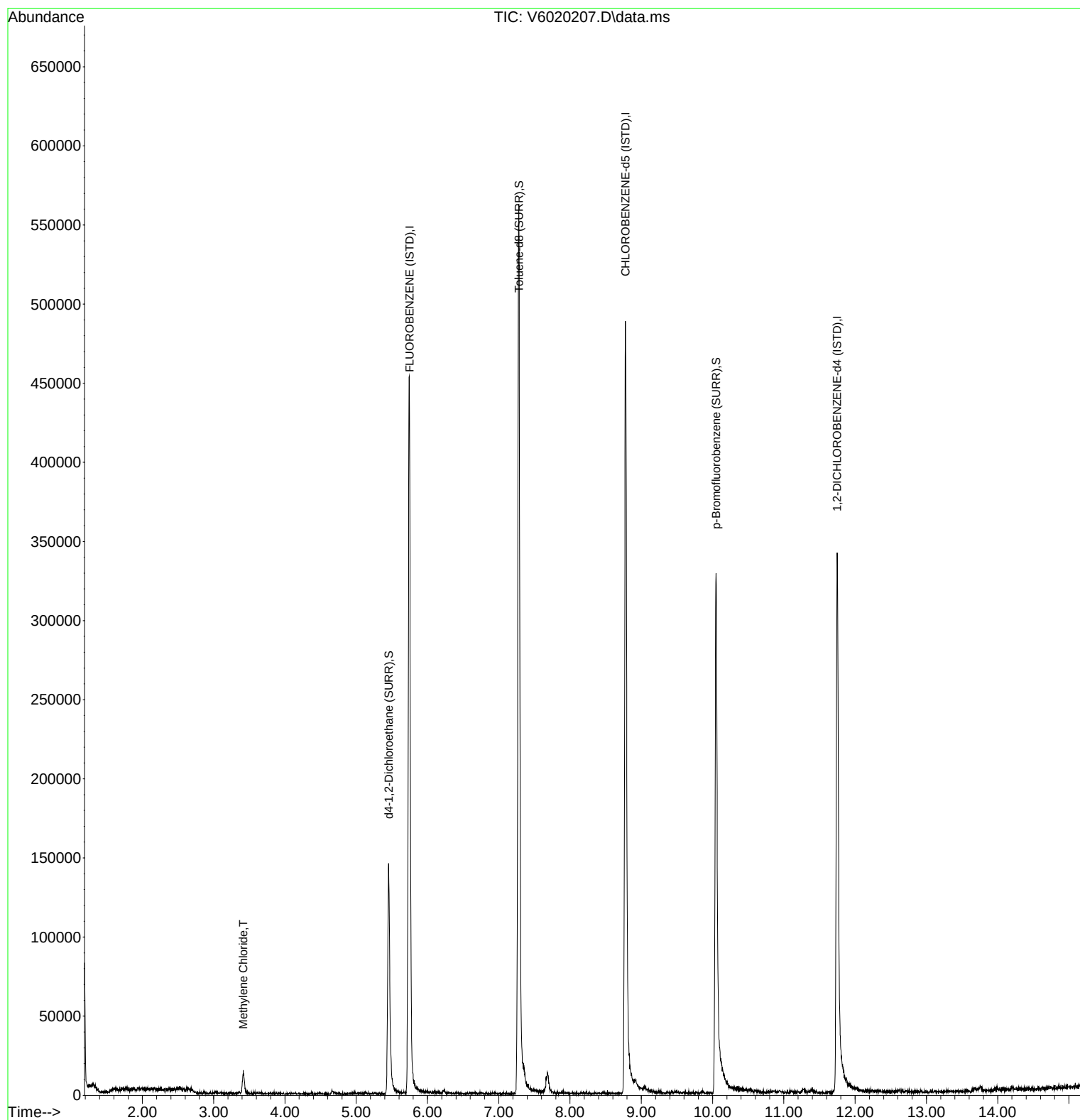
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

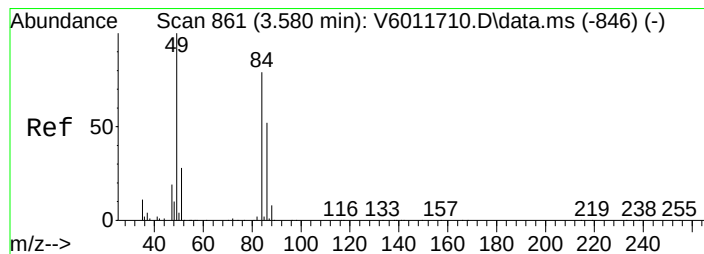
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.748	70	89577	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.777	117	288360	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.746	152	108258	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.455	65	112410	9.52	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	95.20%	
51) Toluene-d8 (SURR)	7.281	98	424666	10.26	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	102.60%	
70) p-Bromofluorobenzene (...)	10.049	95	158329	10.02	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	100.20%	
Target Compounds						
17) Methylene Chloride	3.413	49	7000	0.36	ppb	Qvalue # 85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\V6092616\
Data File : V6020207.D
Acq On : 26 Sep 2016 1:13 pm
InstName : MSVOA6
Operator : SS
Sample : BI61211-BLK1
Misc : QBV6092616A
ALS Vial : 8 Sample Multiplier: 1

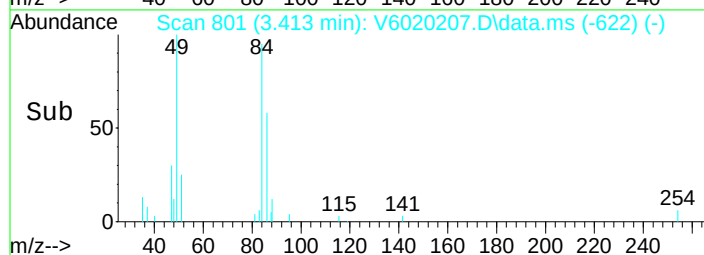
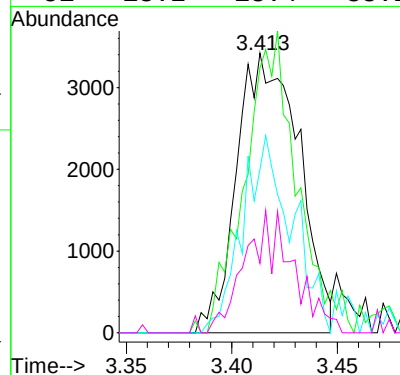
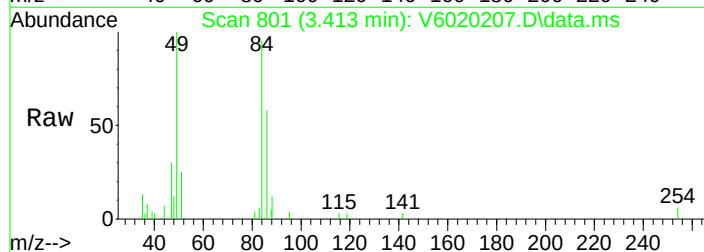
Quant Time: Sep 26 16:44:55 2016
Quant Method : C:\msdchem\1\METHODS\V6L00099.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Fri Sep 23 11:53:12 2016
Response via : Initial Calibration





#17
Methylene Chloride
Concen: 0.36 ppb
RT: 3.413 min Scan# 801
Delta R.T. -0.003 min
Lab File: V6020207.D
Acq: 26 Sep 2016 1:13 pm

Tgt Ion:	49	Resp:	7000
Ion Ratio		Lower	Upper
49	100		
84	89.8	51.5	107.1
86	43.9	34.1	70.7
51	13.2	18.4	38.2#



FORM I**METHOD BLANK DATA SHEET
EPA 8260C**

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
Matrix: Water Laboratory ID: BI61212-BLK1 File ID: V8003746.D
Prepared: 09/26/16 08:33 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
Analyzed: 09/26/16 17:17 Instrument: VOA No. 8
Batch: BI61212 Sequence: Y612703 Calibration: Y160005

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
563-58-6	1,1-Dichloropropylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
591-78-6	2-Hexanone	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
67-64-1	Acetone	1.1	J
71-43-2	Benzene	0.50	U
108-86-1	Bromobenzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U

FORM I

METHOD BLANK DATA SHEET
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: BI61212-BLK1 File ID: V8003746.D
 Prepared: 09/26/16 08:33 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Analyzed: 09/26/16 17:17 Instrument: VOA No. 8
 Batch: BI61212 Sequence: Y612703 Calibration: YI60005

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-25-2	Bromoform	0.50	U
74-83-9	Bromomethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
75-09-2	Methylene chloride	2.0	U
91-20-3	Naphthalene	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U

METHOD BLANK DATA SHEET

EPA 8260C

CAS NO.	COMPOUND	CONC. (ug/L)	Q
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

726 of 856

Data Path : C:\msdchem\1\data\092616\
 Data File : V8003746.D
 Acq On : 26 Sep 2016 5:17 pm
 Operator : BK
 Sample : BI61212-BLK1
 Misc : V8092616A
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 27 08:22:36 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

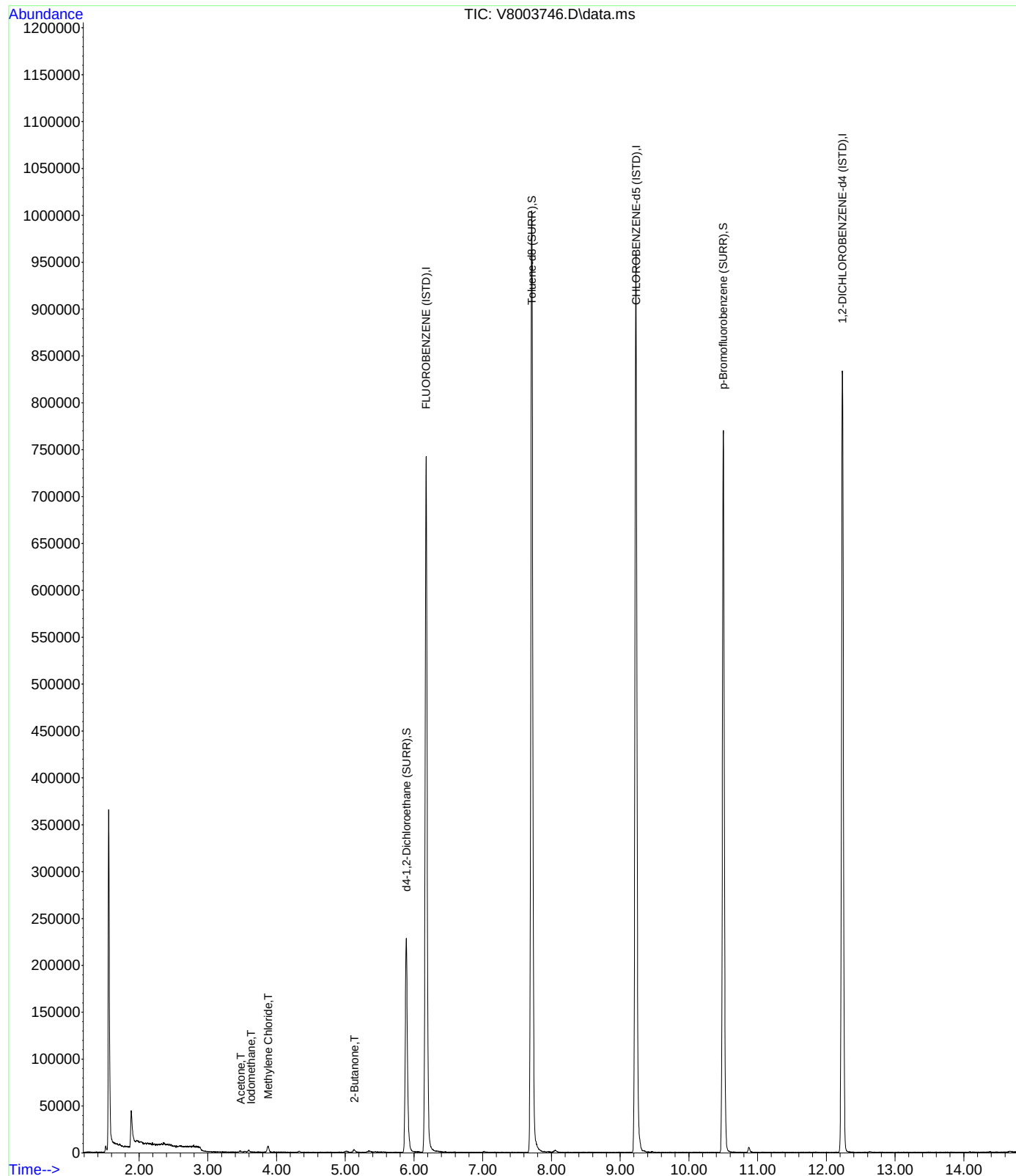
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

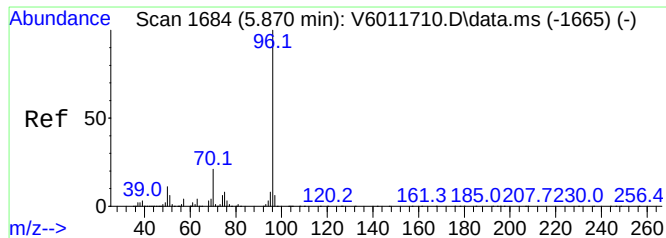
Internal Standards						
1) FLUOROBENZENE (ISTD)	6.176	70	136489	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.229	117	667682	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.233	152	283450	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.889	65	163554	10.87	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	108.70%	
51) Toluene-d8 (SURR)	7.715	98	807818	10.12	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	101.20%	
70) p-Bromofluorobenzene (...)	10.498	95	294461	9.99	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	99.90%	
Target Compounds						
						Qvalue
6) Chloroethane	2.573	64	386	Below	Cal	98
8) Ethanol	3.080	45	39	Below	Cal	100
12) Acetone	3.476	43	1720m	1.08	ppb	
13) Iodomethane	3.627	142	74	3.38	ppb	95
17) Methylene Chloride	3.878	49	4064	0.33	ppb	# 88
26) 2-Butanone	5.130	72	887	1.27	ppb	# 45
36) tert-Amyl alcohol (TAA)	5.900	59	87	Below	Cal	# 1
91) 1,2,4-Trichlorobenzene	14.090	180	222	Below	Cal	# 56
93) Naphthalene	14.383	128	341	Below	Cal	# 77
94) 1,2,3-Trichlorobenzene	14.662	180	168	Below	Cal	# 19

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\092616\
Data File : V8003746.D
Acq On : 26 Sep 2016 5:17 pm
Operator : BK
Sample : BI61212-BLK1
Misc : V8092616A
ALS Vial : 6 Sample Multiplier: 1

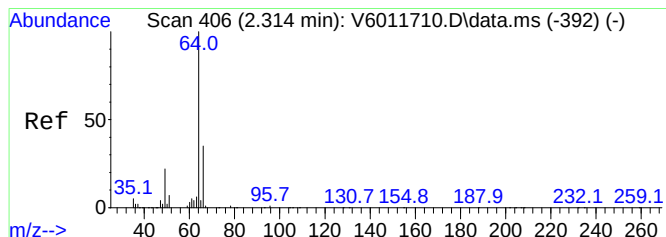
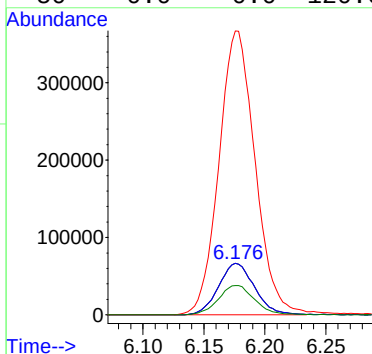
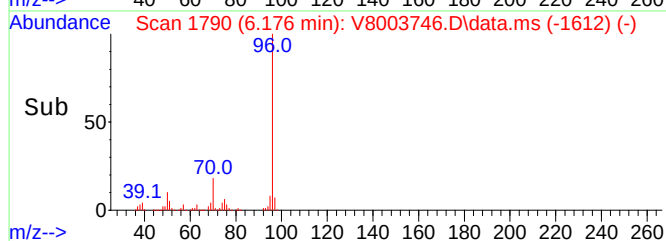
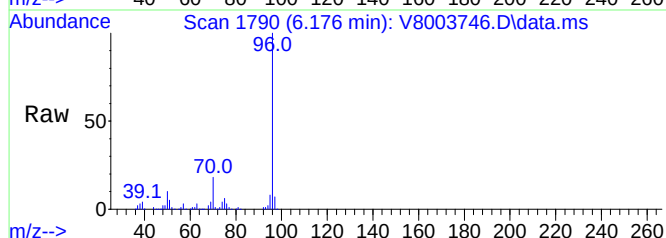
Quant Time: Sep 27 08:22:36 2016
Quant Method : C:\msdchem\1\methods\V8L00015.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Thu Sep 15 08:36:22 2016
InstName : VOA No. 8
Response via : Initial Calibration





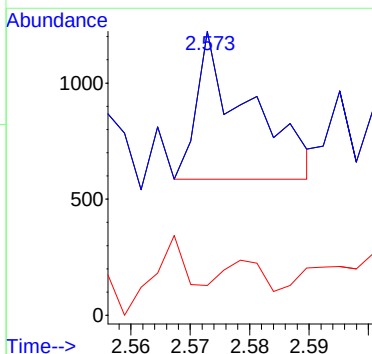
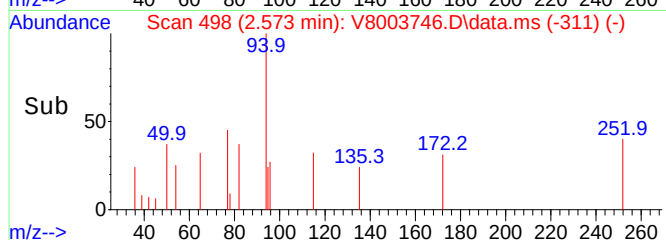
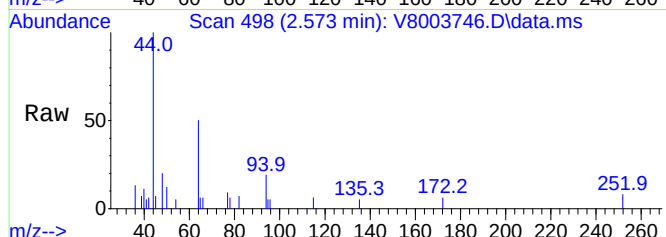
#1
 FLUOROBENZENE (ISTD)
 Concen: 10.00 ppb
 RT: 6.176 min Scan# 1790
 Delta R.T. -0.003 min
 Lab File: V8003746.D
 Acq: 26 Sep 2016 5:17 pm

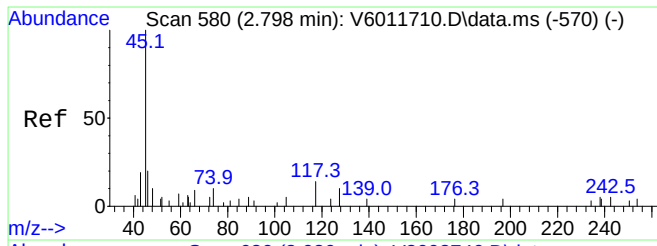
Tgt Ion: 70 Resp: 136489
 Ion Ratio Lower Upper
 70 100
 70 100.0 65.0 135.0
 96 560.0 343.3 713.1
 50 0.0 0.0 120.6



#6
 Chloroethane
 Concen: Below Cal
 RT: 2.573 min Scan# 498
 Delta R.T. 0.022 min
 Lab File: V8003746.D
 Acq: 26 Sep 2016 5:17 pm

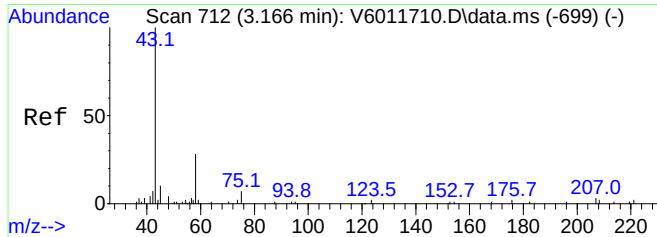
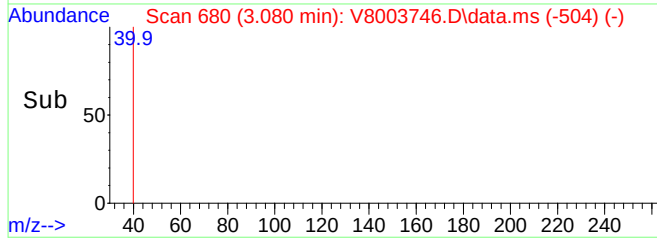
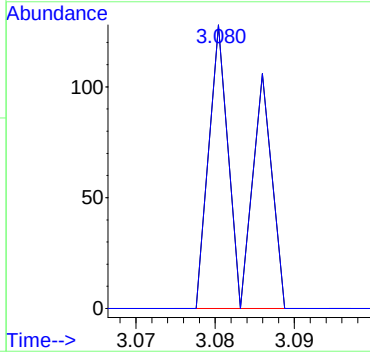
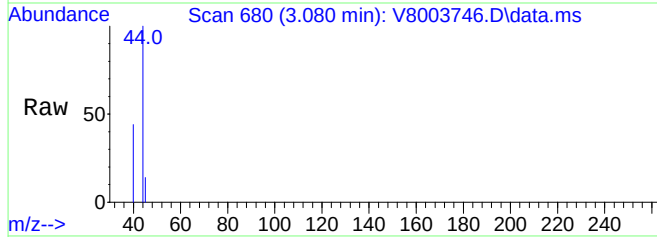
Tgt Ion: 64 Resp: 386
 Ion Ratio Lower Upper
 64 100
 64 100.0 65.0 135.0
 66 39.1 22.7 47.3





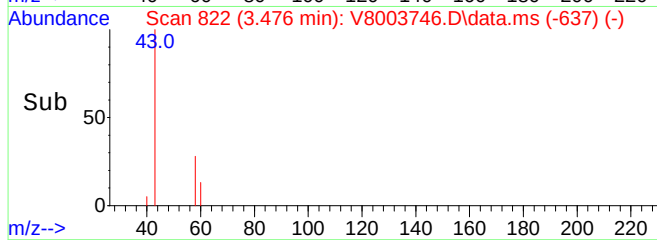
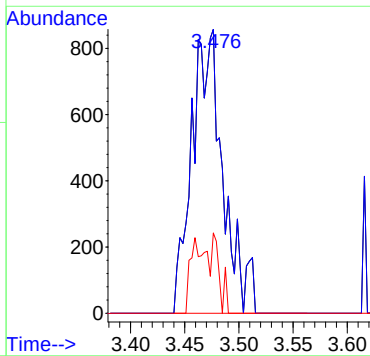
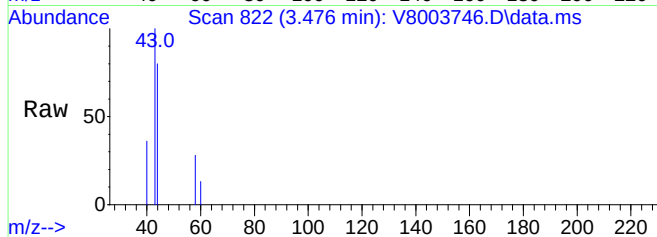
#8
Ethanol
Concen: Below Cal
RT: 3.080 min Scan# 680
Delta R.T. -0.009 min
Lab File: V8003746.D
Acq: 26 Sep 2016 5:17 pm

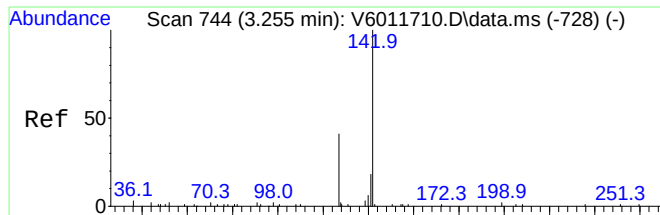
Tgt Ion: 45 Resp: 39
Ion Ratio Lower Upper
45 100
45 100.0 50.0 150.0



#12
Acetone
Concen: 1.08 ppb m
RT: 3.476 min Scan# 822
Delta R.T. 0.017 min
Lab File: V8003746.D
Acq: 26 Sep 2016 5:17 pm

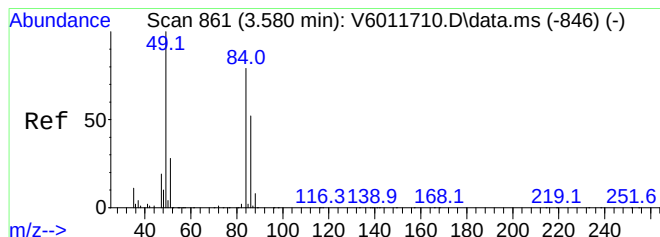
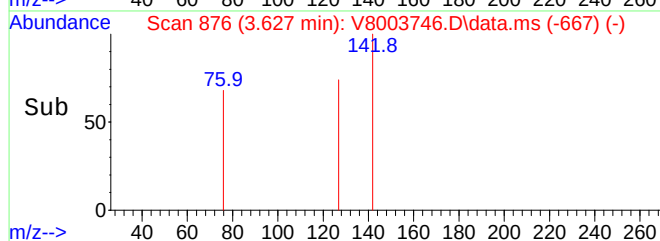
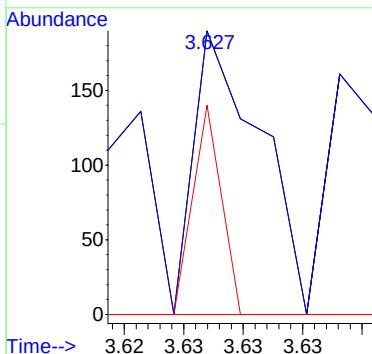
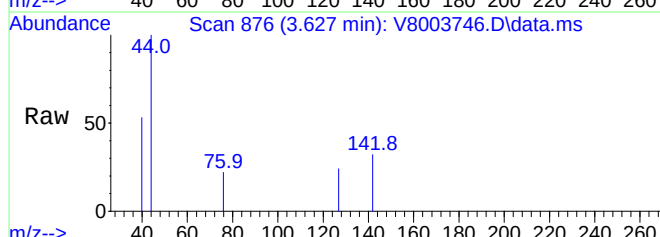
Tgt Ion: 43 Resp: 1720
Ion Ratio Lower Upper
43 100
43 44.7 80.0 120.0#
58 13.4 13.9 41.6#





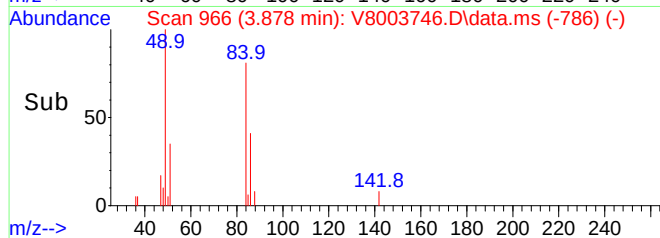
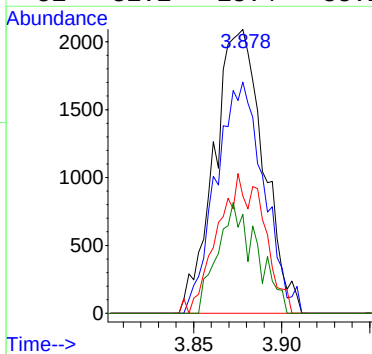
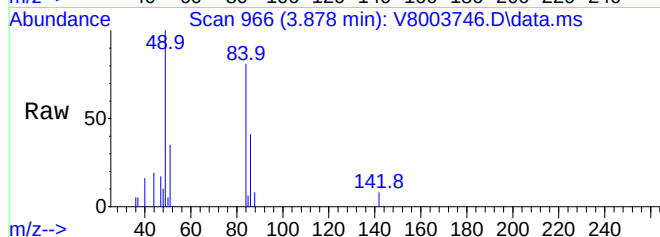
#13
Iodomethane
Concen: 3.38 ppb
RT: 3.627 min Scan# 876
Delta R.T. 0.084 min
Lab File: V8003746.D
Acq: 26 Sep 2016 5:17 pm

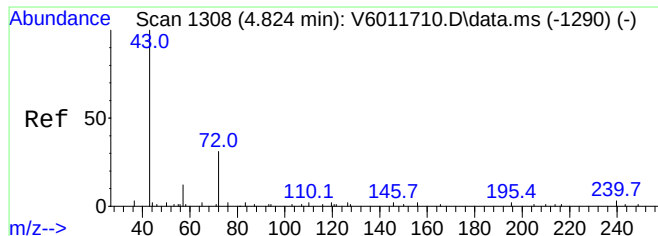
Tgt Ion: 142 Resp: 74
Ion Ratio Lower Upper
142 100
142 100.0 80.0 120.0
127 31.1 20.8 62.2



#17
Methylene Chloride
Concen: 0.33 ppb
RT: 3.878 min Scan# 966
Delta R.T. 0.003 min
Lab File: V8003746.D
Acq: 26 Sep 2016 5:17 pm

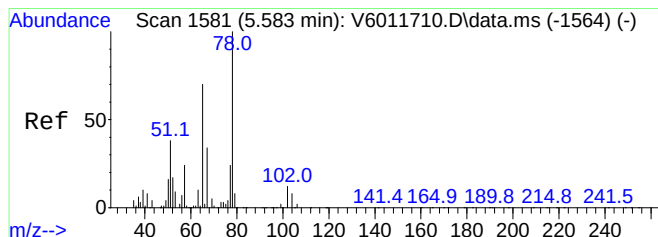
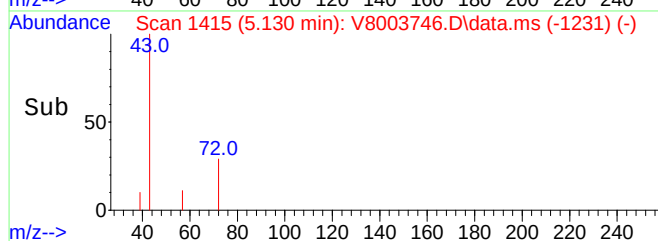
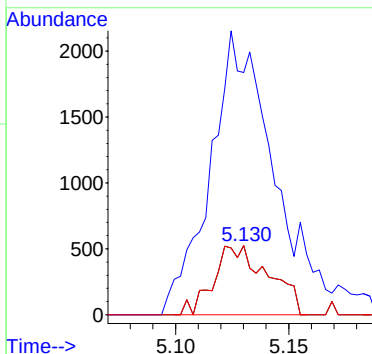
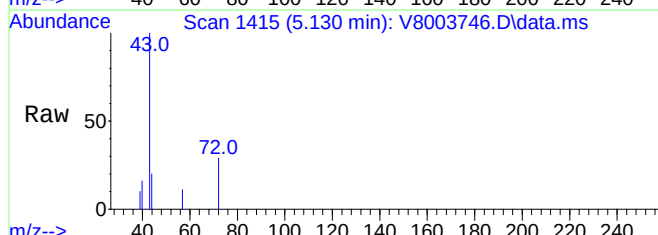
Tgt Ion: 49 Resp: 4064
Ion Ratio Lower Upper
49 100
84 78.9 51.5 107.1
86 29.7 34.1 70.7#
51 31.1 18.4 38.2





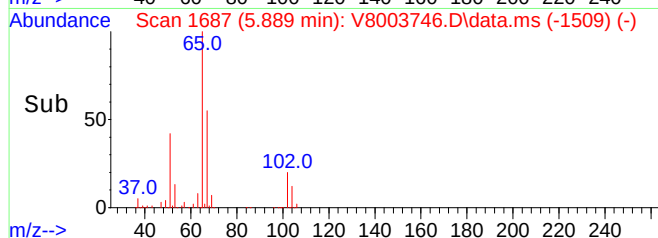
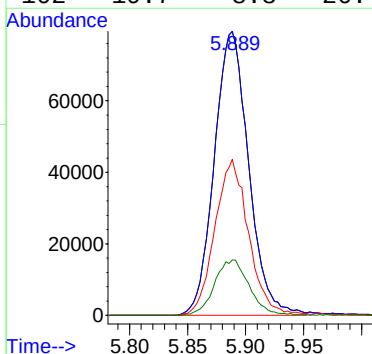
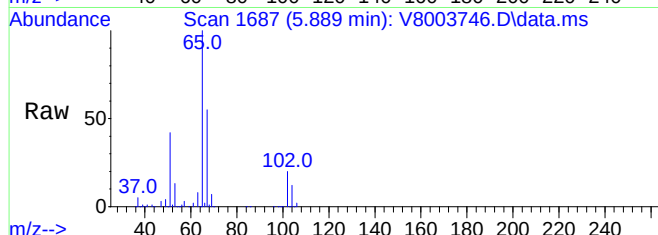
#26
2-Butanone
Concen: 1.27 ppb
RT: 5.130 min Scan# 1415
Delta R.T. 0.014 min
Lab File: V8003746.D
Acq: 26 Sep 2016 5:17 pm

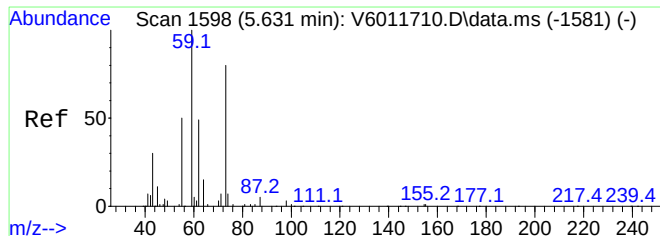
Tgt Ion: 72 Resp: 887
Ion Ratio Lower Upper
72 100
43 474.2 260.7 391.1#
72 100.0 50.0 150.0



#34
d4-1,2-Dichloroethane (SURR)
Concen: 10.87 ppb
RT: 5.889 min Scan# 1687
Delta R.T. -0.003 min
Lab File: V8003746.D
Acq: 26 Sep 2016 5:17 pm

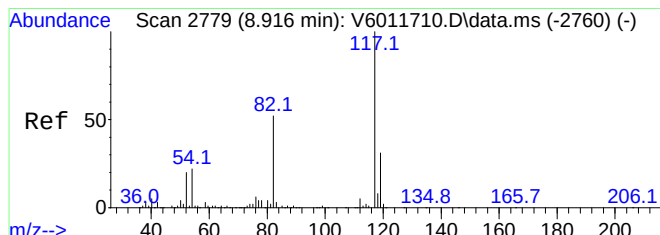
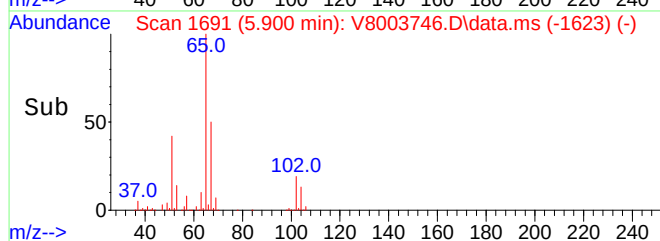
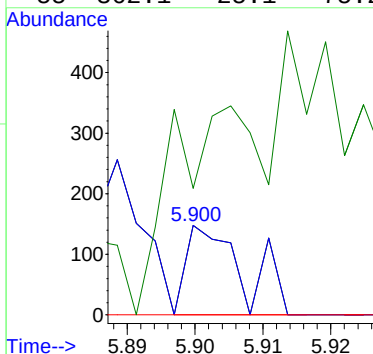
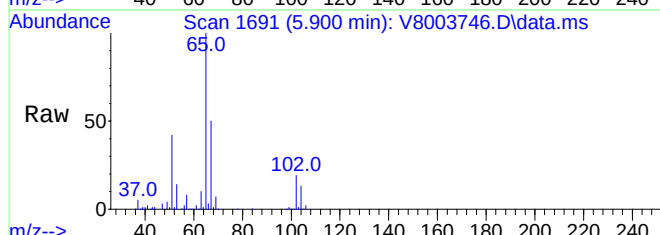
Tgt Ion: 65 Resp: 163554
Ion Ratio Lower Upper
65 100
65 100.0 65.0 135.0
67 53.8 31.3 65.1
102 19.7 8.8 26.4





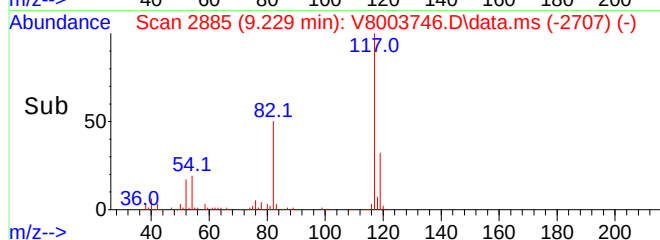
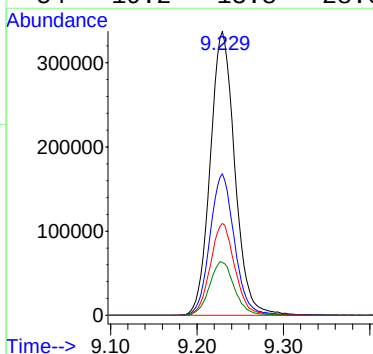
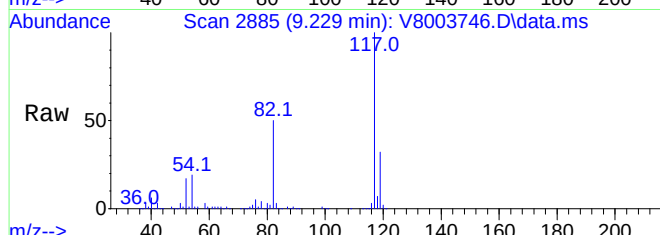
#36
tert-Amyl alcohol (TAA)
Concen: Below Cal
RT: 5.900 min Scan# 1691
Delta R.T. -0.011 min
Lab File: V8003746.D
Acq: 26 Sep 2016 5:17 pm

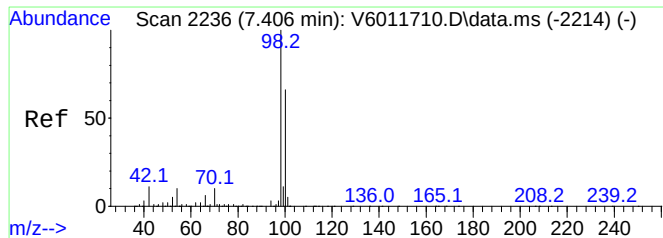
Tgt Ion:	59	Resp:	87
Ion Ratio	Lower	Upper	
59	100		
59	100.0	80.0	120.0
73	0.0	40.2	120.5#
55	362.1	25.1	75.2#



#40
CHLOROBENZENE-d5 (ISTD)
Concen: 10.00 ppb
RT: 9.229 min Scan# 2885
Delta R.T. -0.003 min
Lab File: V8003746.D
Acq: 26 Sep 2016 5:17 pm

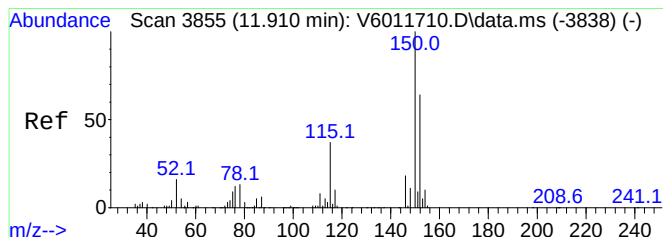
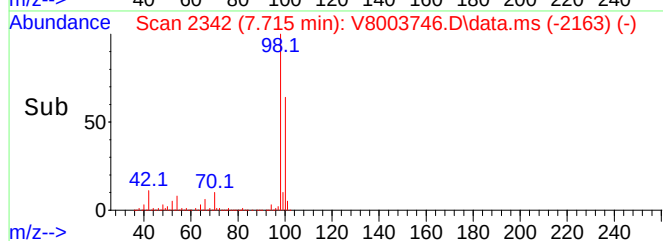
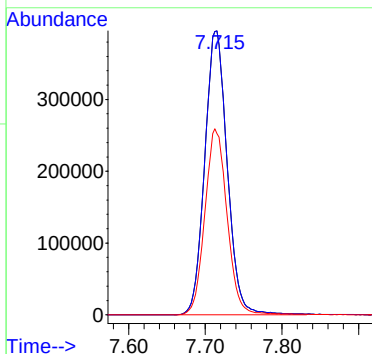
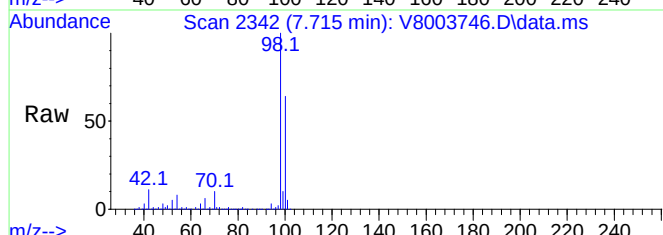
Tgt Ion:	117	Resp:	667682
Ion Ratio	Lower	Upper	
117	100		
82	49.7	34.0	70.6
119	32.4	21.5	44.7
54	19.2	13.8	28.6





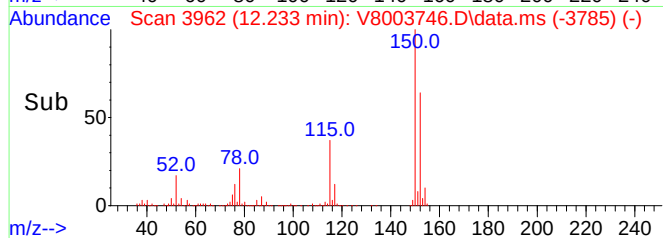
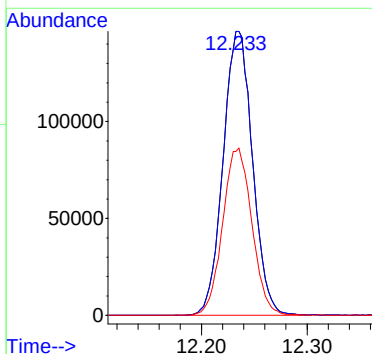
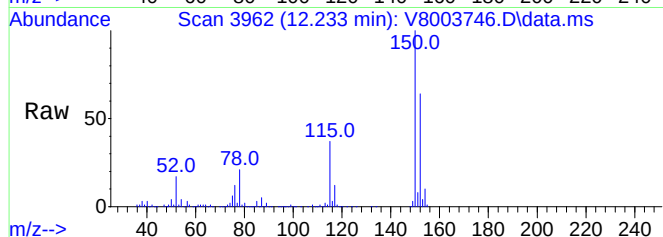
#51
Toluene-d8 (Surr)
Concen: 10.12 ppb
RT: 7.715 min Scan# 2342
Delta R.T. 0.000 min
Lab File: V8003746.D
Acq: 26 Sep 2016 5:17 pm

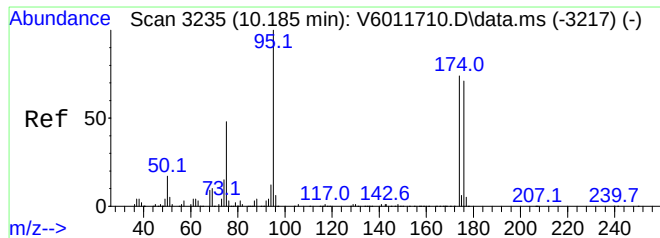
Tgt Ion: 98 Resp: 807818
Ion Ratio Lower Upper
98 100
98 100.0 65.0 135.0
100 64.4 42.8 89.0



#67
1,2-DICHLOROBENZENE-d4 (Istd)
Concen: 10.00 ppb
RT: 12.233 min Scan# 3962
Delta R.T. -0.006 min
Lab File: V8003746.D
Acq: 26 Sep 2016 5:17 pm

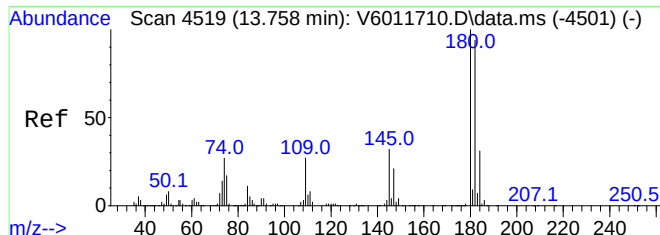
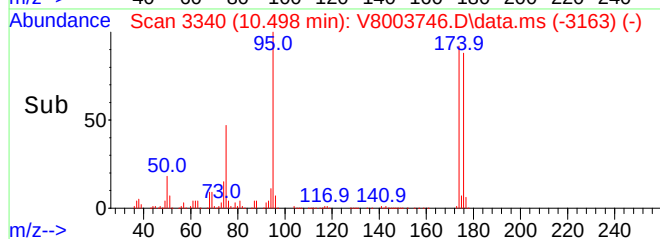
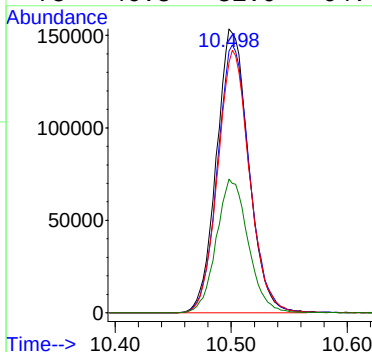
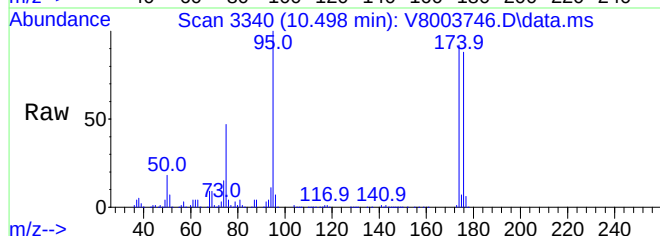
Tgt Ion: 152 Resp: 283450
Ion Ratio Lower Upper
152 100
152 100.0 50.0 150.0
115 58.6 31.5 94.5





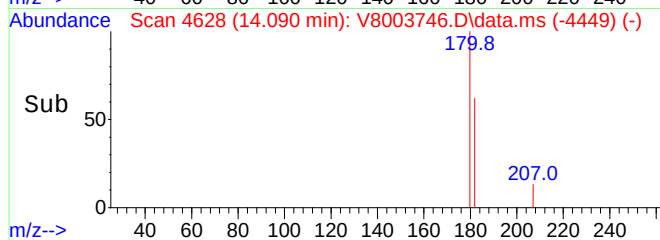
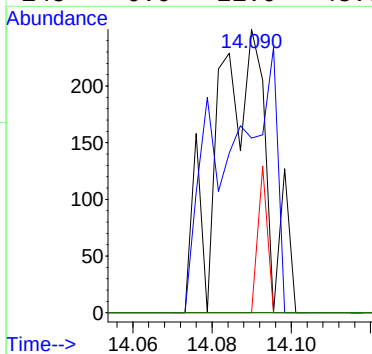
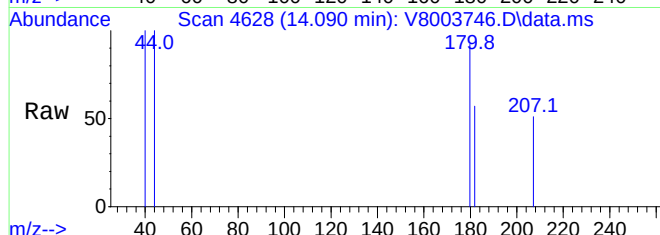
#70
p-Bromofluorobenzene (Surr)
Concen: 9.99 ppb
RT: 10.498 min Scan# 3340
Delta R.T. -0.006 min
Lab File: V8003746.D
Acq: 26 Sep 2016 5:17 pm

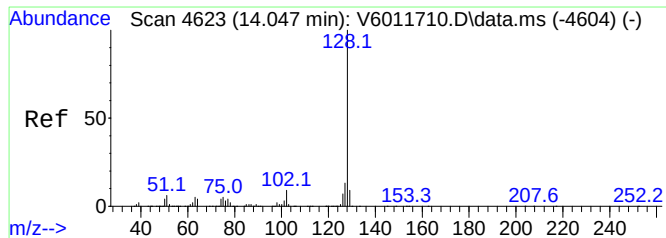
Tgt Ion:	95	Resp:	294461
Ion Ratio	Lower	Upper	
95	100		
174	94.4	47.8	99.4
176	91.7	46.3	96.1
75	46.8	31.0	64.4



#91
1,2,4-Trichlorobenzene
Concen: Below Cal
RT: 14.090 min Scan# 4628
Delta R.T. -0.000 min
Lab File: V8003746.D
Acq: 26 Sep 2016 5:17 pm

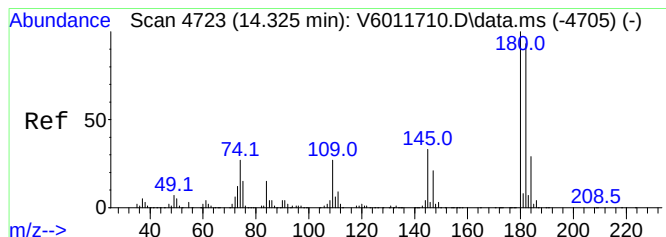
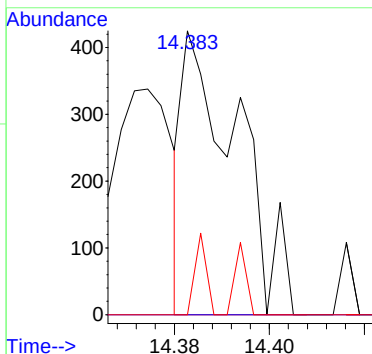
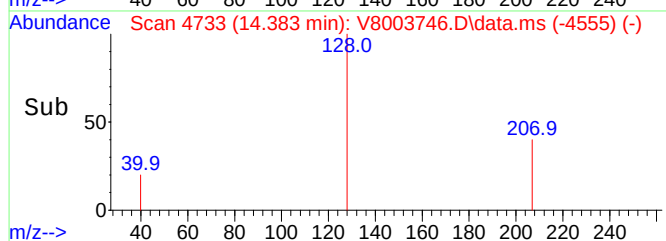
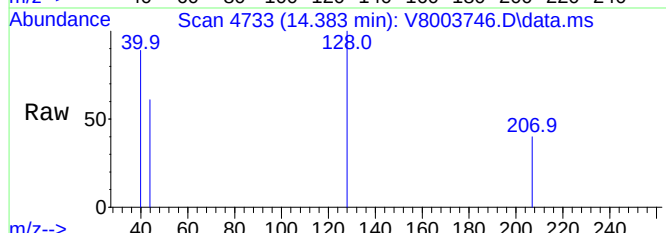
Tgt Ion:	180	Resp:	222
Ion Ratio	Lower	Upper	
180	100		
182	53.6	61.2	127.2#
74	9.9	17.6	36.5#
145	0.0	21.0	43.6#





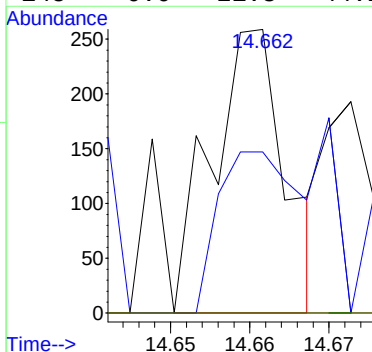
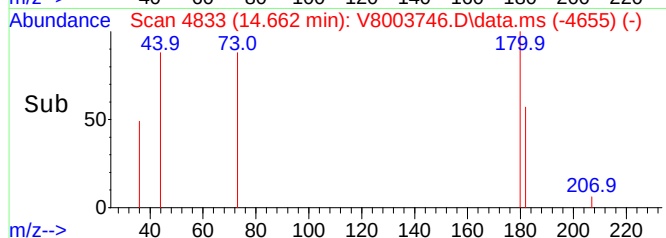
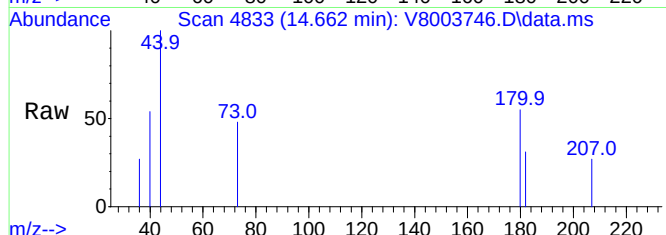
#93
Naphthalene
Concen: Below Cal
RT: 14.383 min Scan# 4733
Delta R.T. -0.003 min
Lab File: V8003746.D
Acq: 26 Sep 2016 5:17 pm

Tgt Ion:	128	Resp:	341
Ion Ratio	Lower	Upper	
128	100		
127	0.0	8.5	17.6#
129	5.9	6.1	12.7#



#94
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 14.662 min Scan# 4833
Delta R.T. -0.002 min
Lab File: V8003746.D
Acq: 26 Sep 2016 5:17 pm

Tgt Ion:	180	Resp:	168
Ion Ratio	Lower	Upper	
180	100		
182	0.0	60.5	125.7#
74	0.0	17.6	36.6#
145	0.0	21.3	44.1#



FORM I**METHOD BLANK DATA SHEET
EPA 8260C**

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
Matrix: Water Laboratory ID: BI61289-BLK1 File ID: V8003786.D
Prepared: 09/27/16 08:02 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
Analyzed: 09/27/16 12:35 Instrument: VOA No. 8
Batch: BI61289 Sequence: Y612713 Calibration: Y160005

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
563-58-6	1,1-Dichloropropylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
591-78-6	2-Hexanone	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
67-64-1	Acetone	2.0	U
71-43-2	Benzene	0.50	U
108-86-1	Bromobenzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U

FORM I

METHOD BLANK DATA SHEET
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 1610590
 Client: Leggette Brashears & Graham Shelton Office Project: Rowe Industries
 Matrix: Water Laboratory ID: BI61289-BLK1 File ID: V8003786.D
 Prepared: 09/27/16 08:02 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL
 Analyzed: 09/27/16 12:35 Instrument: VOA No. 8
 Batch: BI61289 Sequence: Y612713 Calibration: YI60005

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-25-2	Bromoform	0.50	U
74-83-9	Bromomethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
75-09-2	Methylene chloride	2.0	U
91-20-3	Naphthalene	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	<u>York Analytical Laboratories, Inc.</u>	SDG:	<u>1610590</u>		
Client:	<u>Leggette Brashears & Graham Shelton Office</u>	Project:	<u>Rowe Industries</u>		
Matrix:	<u>Water</u>	Laboratory ID:	<u>BI61289-BLK1</u>	File ID:	<u>V8003786.D</u>
Prepared:	<u>09/27/16 08:02</u>	Preparation:	<u>EPA 5030B</u>	Initial/Final:	<u>25 mL / 25 mL</u>
Analyzed:	<u>09/27/16 12:35</u>	Instrument:	<u>VOA No. 8</u>		
Batch:	<u>BI61289</u>	Sequence:	<u>Y612713</u>	Calibration:	<u>YI60005</u>

CAS NO.	COMPOUND	CONC. (ug/L)	Q
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.3	103	69 - 130	
Toluene-d8	10.0	9.93	99.3	81 - 117	
p-Bromofluorobenzene	10.0	10.4	104	79 - 122	

Data Path : C:\msdchem\1\data\092716\
 Data File : V8003786.D
 Acq On : 27 Sep 2016 12:35 pm
 Operator : BK
 Sample : BI61289-BLK1
 Misc : V8092716A
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 27 15:20:23 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

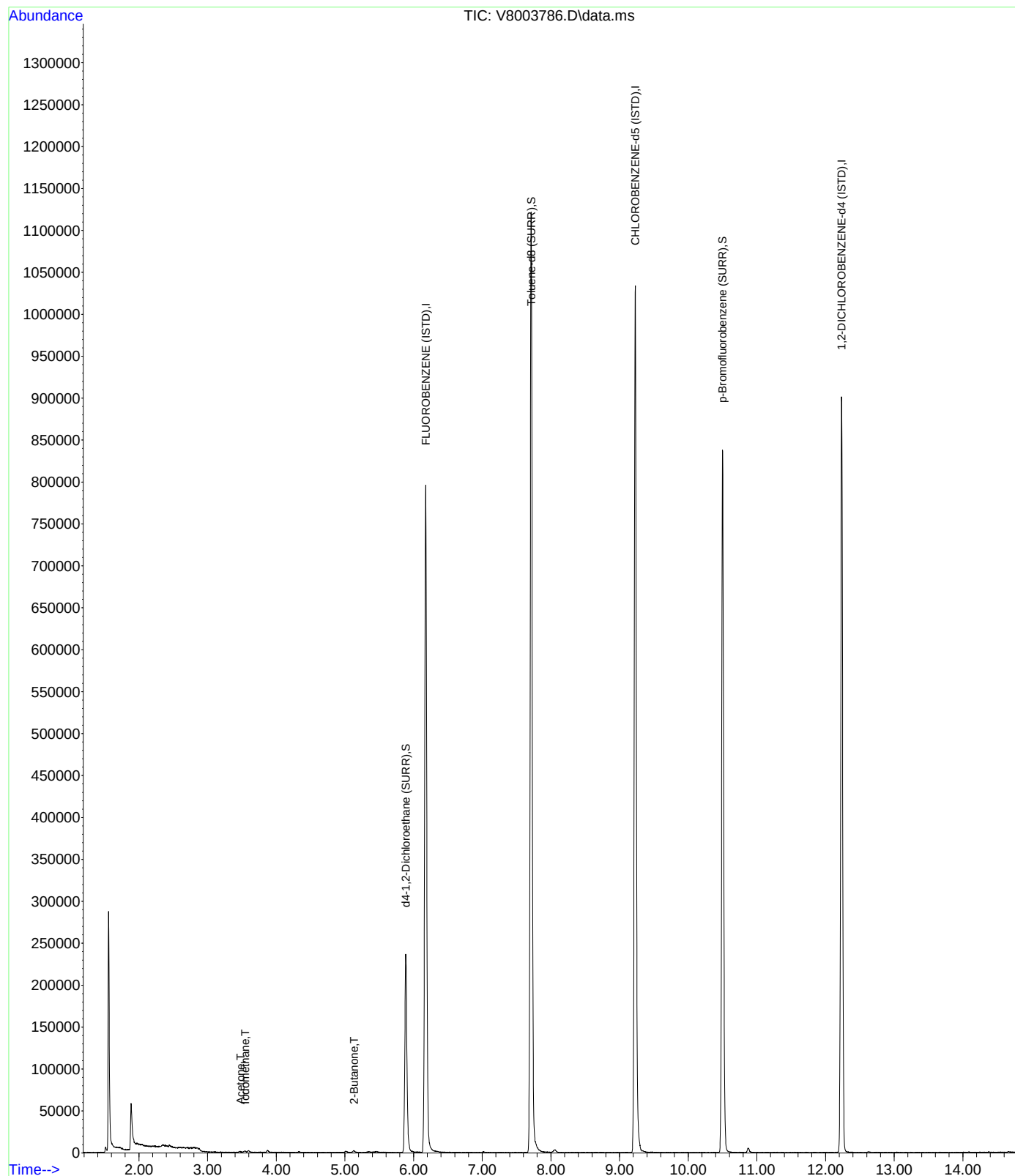
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

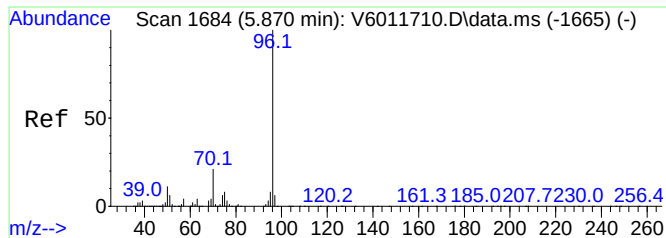
Internal Standards						
1) FLUOROBENZENE (ISTD)	6.178	70	149367	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.226	117	739590	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.233	152	299751	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.886	65	169066	10.26	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	102.60%	
51) Toluene-d8 (SURR)	7.712	98	877750	9.93	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	99.30%	
70) p-Bromofluorobenzene (...)	10.498	95	324546	10.41	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	104.10%	
Target Compounds						
						Qvalue
6) Chloroethane	2.684	64	322	Below	Cal	96
8) Ethanol	3.086	45	38	Below	Cal	100
12) Acetone	3.479	43	1537m	0.88	ppb	
13) Iodomethane	3.546	142	1969	3.61	ppb	93
16) tert-Butyl Alcohol (TBA)	3.934	59	25	Below	Cal	# 83
26) 2-Butanone	5.130	72	754m	0.99	ppb	
36) tert-Amyl alcohol (TAA)	5.886	59	187	Below	Cal	# 61
91) 1,2,4-Trichlorobenzene	14.093	180	262	Below	Cal	# 50
93) Naphthalene	14.377	128	326	Below	Cal	# 70
94) 1,2,3-Trichlorobenzene	14.661	180	109	Below	Cal	# 38

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\092716\
Data File : V8003786.D
Acq On : 27 Sep 2016 12:35 pm
Operator : BK
Sample : BI61289-BLK1
Misc : V8092716A
ALS Vial : 6 Sample Multiplier: 1

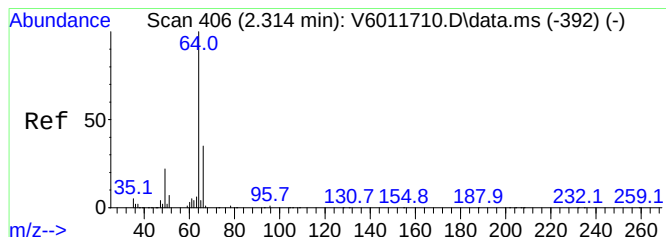
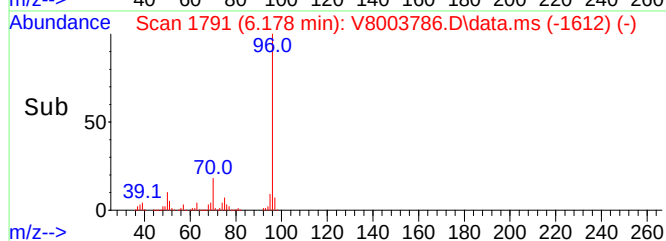
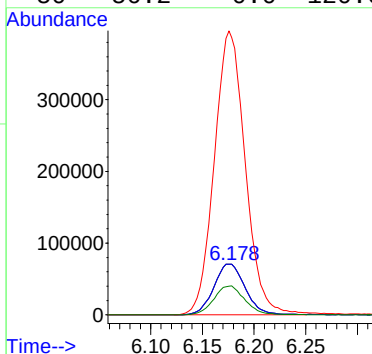
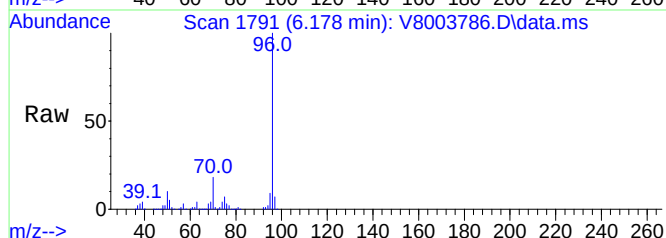
Quant Time: Sep 27 15:20:23 2016
Quant Method : C:\msdchem\1\methods\V8L00015.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Thu Sep 15 08:36:22 2016
InstName : VOA No. 8
Response via : Initial Calibration





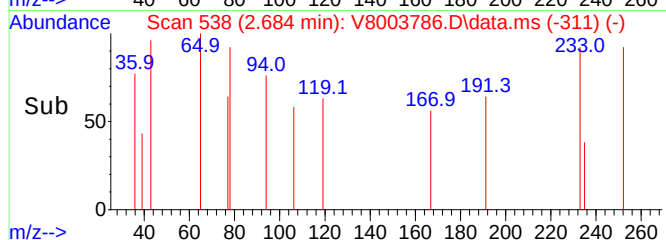
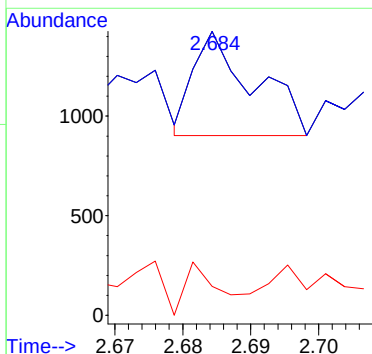
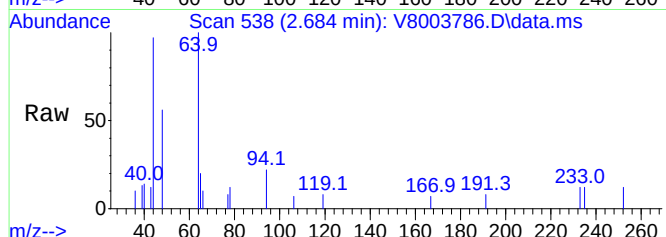
#1
 FLUOROBENZENE (ISTD)
 Concen: 10.00 ppb
 RT: 6.178 min Scan# 1791
 Delta R.T. -0.001 min
 Lab File: V8003786.D
 Acq: 27 Sep 2016 12:35 pm

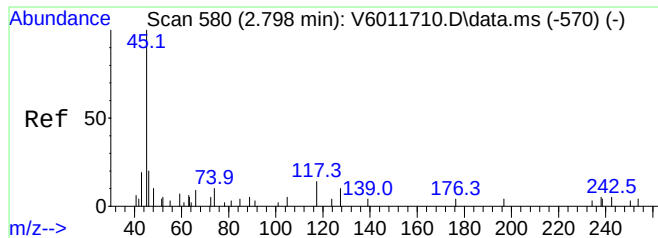
Tgt Ion:	70	Resp:	149367
Ion Ratio	Lower	Upper	
70	100		
70	100.0	65.0	135.0
96	553.0	343.3	713.1
50	56.2	0.0	120.6



#6
 Chloroethane
 Concen: Below Cal
 RT: 2.684 min Scan# 538
 Delta R.T. 0.133 min
 Lab File: V8003786.D
 Acq: 27 Sep 2016 12:35 pm

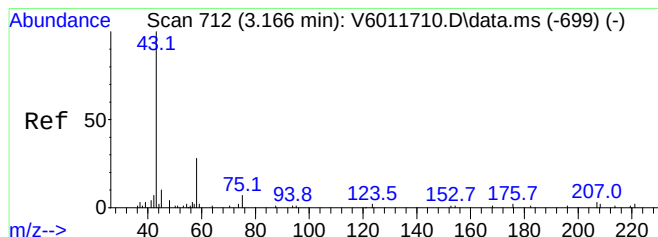
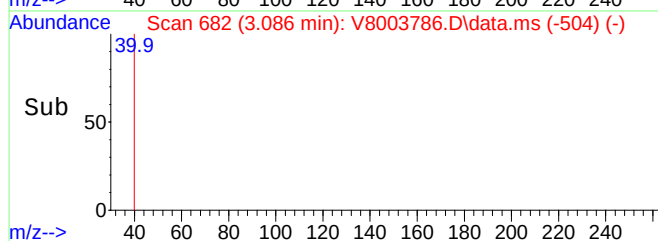
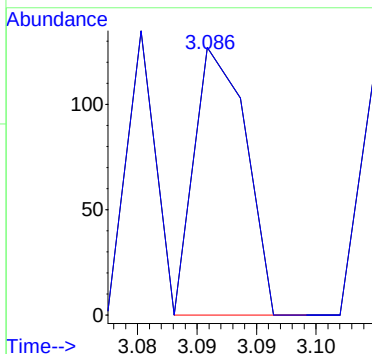
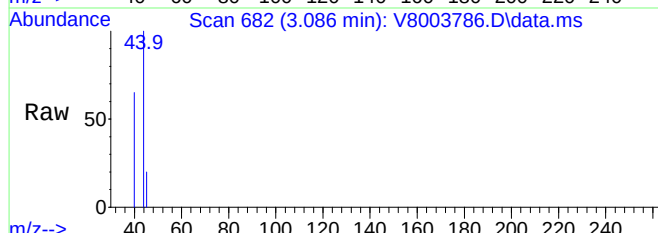
Tgt Ion:	64	Resp:	322
Ion Ratio	Lower	Upper	
64	100		
64	100.0	65.0	135.0
66	26.7	22.7	47.3





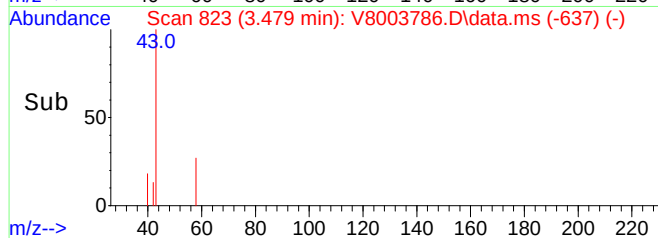
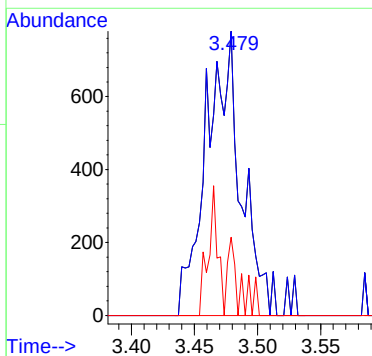
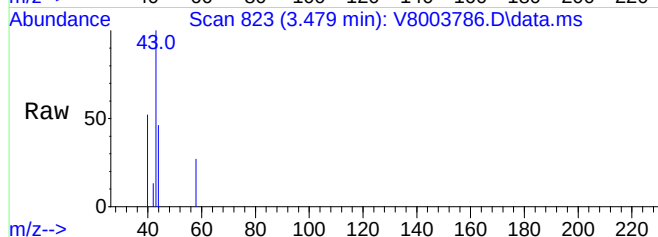
#8
Ethanol
Concen: Below Cal
RT: 3.086 min Scan# 682
Delta R.T. -0.003 min
Lab File: V8003786.D
Acq: 27 Sep 2016 12:35 pm

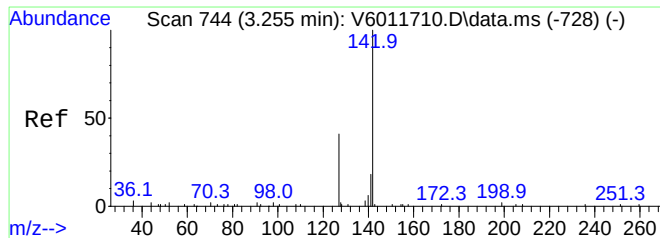
Tgt Ion: 45 Resp: 38
Ion Ratio Lower Upper
45 100
45 100.0 50.0 150.0



#12
Acetone
Concen: 0.88 ppb m
RT: 3.479 min Scan# 823
Delta R.T. 0.019 min
Lab File: V8003786.D
Acq: 27 Sep 2016 12:35 pm

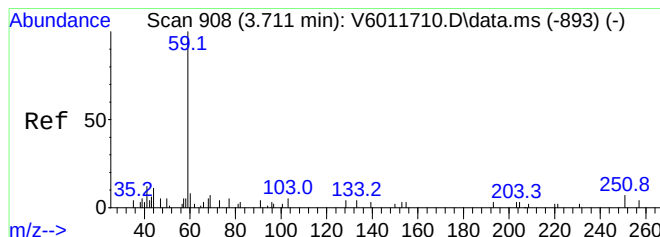
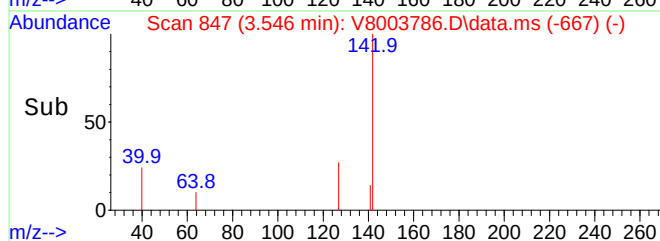
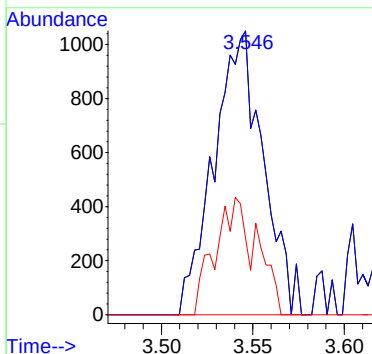
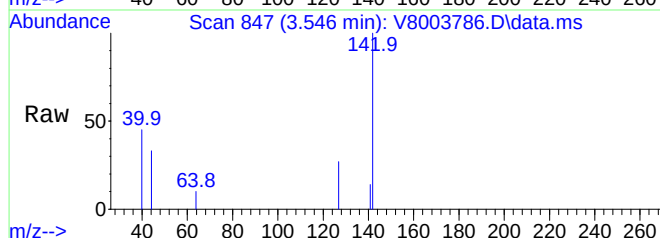
Tgt Ion: 43 Resp: 1537
Ion Ratio Lower Upper
43 100
43 53.9 80.0 120.0#
58 12.3 13.9 41.6#





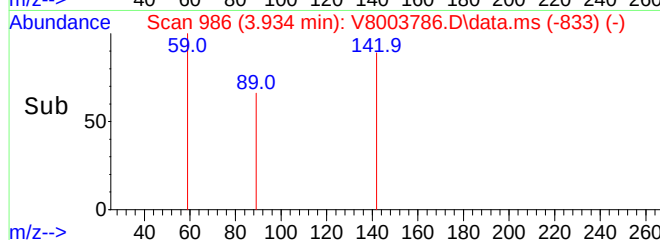
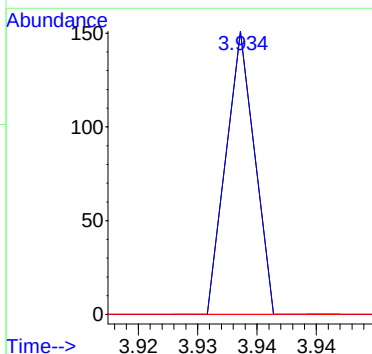
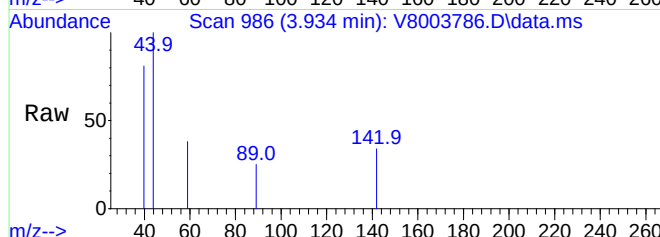
#13
Iodomethane
Concen: 3.61 ppb
RT: 3.546 min Scan# 847
Delta R.T. 0.003 min
Lab File: V8003786.D
Acq: 27 Sep 2016 12:35 pm

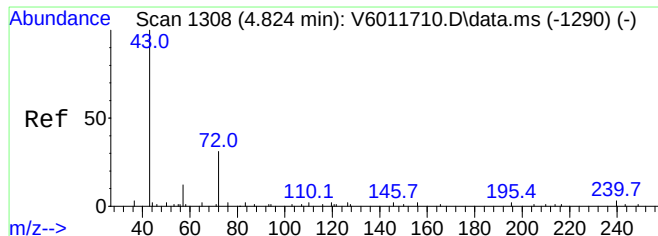
Tgt Ion: 142 Resp: 1969
Ion Ratio Lower Upper
142 100
142 100.0 80.0 120.0
127 25.8 20.8 62.2



#16
tert-Butyl Alcohol (TBA)
Concen: Below Cal
RT: 3.934 min Scan# 986
Delta R.T. -0.072 min
Lab File: V8003786.D
Acq: 27 Sep 2016 12:35 pm

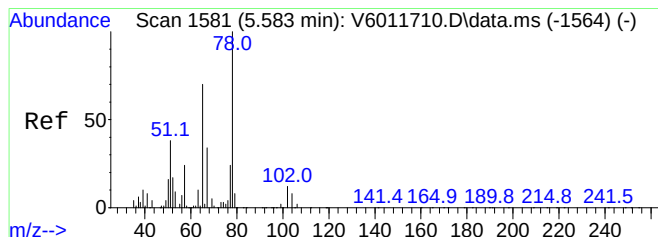
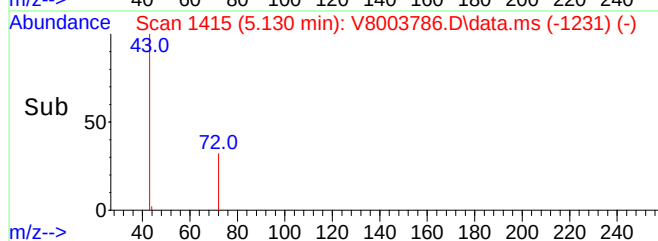
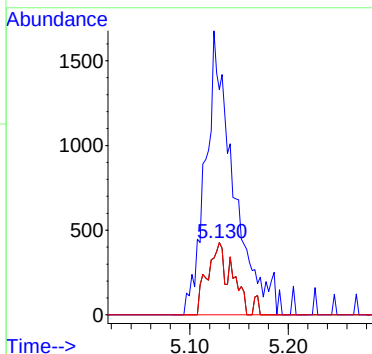
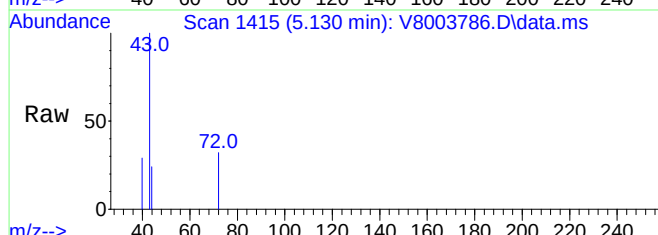
Tgt Ion: 59 Resp: 25
Ion Ratio Lower Upper
59 100
59 100.0 65.0 135.0
41 72.0 6.0 18.0#





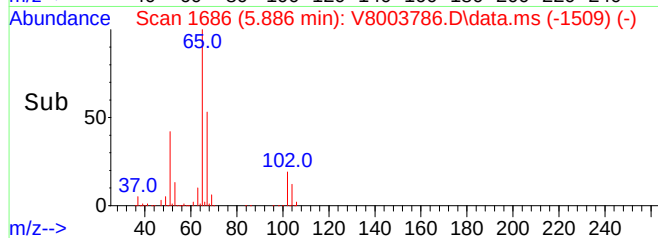
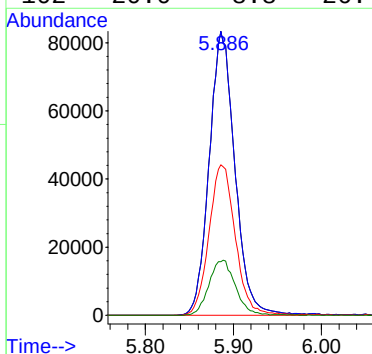
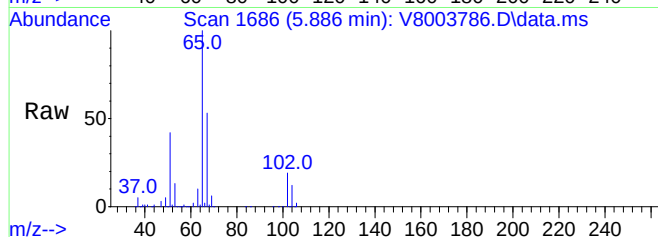
#26
2-Butanone
Concen: 0.99 ppb m
RT: 5.130 min Scan# 1415
Delta R.T. 0.014 min
Lab File: V8003786.D
Acq: 27 Sep 2016 12:35 pm

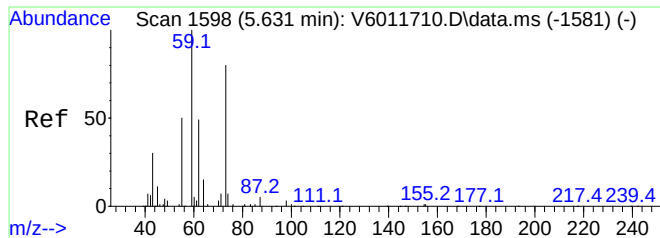
Tgt Ion: 72 Resp: 754
Ion Ratio Lower Upper
72 100
43 13.4 260.7 391.1#
72 4.9 50.0 150.0#



#34
d4-1,2-Dichloroethane (SURR)
Concen: 10.26 ppb
RT: 5.886 min Scan# 1686
Delta R.T. -0.006 min
Lab File: V8003786.D
Acq: 27 Sep 2016 12:35 pm

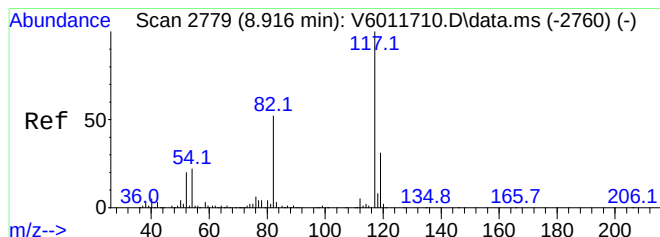
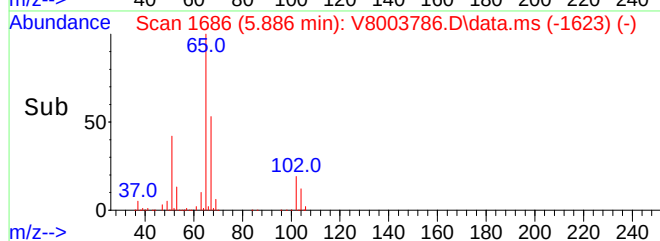
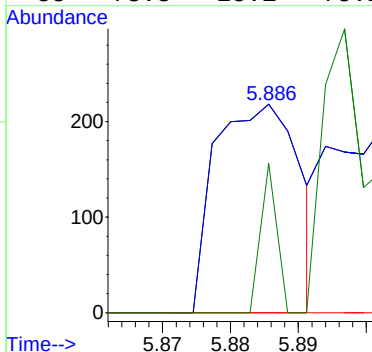
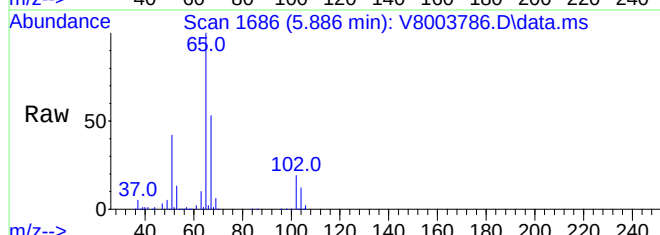
Tgt Ion: 65 Resp: 169066
Ion Ratio Lower Upper
65 100
65 100.0 65.0 135.0
67 54.1 31.3 65.1
102 20.0 8.8 26.4





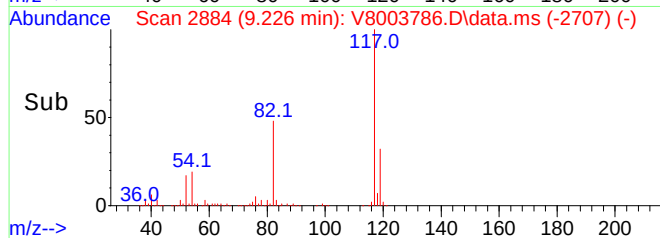
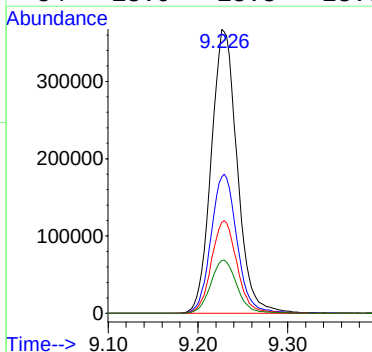
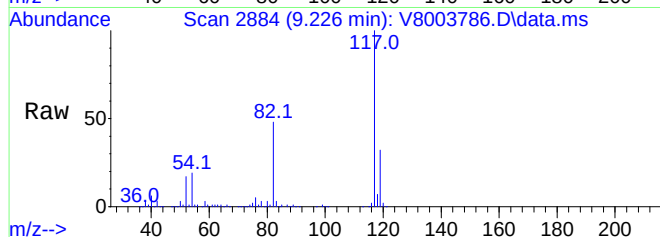
#36
tert-Amyl alcohol (TAA)
Concen: Below Cal
RT: 5.886 min Scan# 1686
Delta R.T. -0.025 min
Lab File: V8003786.D
Acq: 27 Sep 2016 12:35 pm

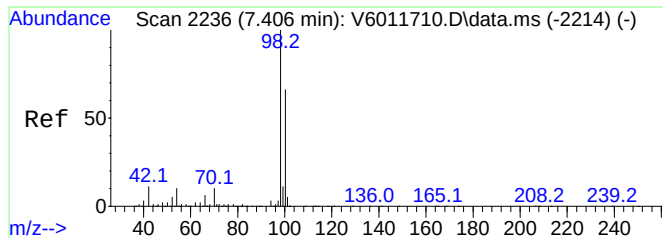
Tgt Ion:	59	Resp:	187
Ion Ratio	Lower	Upper	
59	100		
59	100.0	80.0	120.0
73	0.0	40.2	120.5#
55	73.3	25.1	75.2



#40
CHLOROBENZENE-d5 (ISTD)
Concen: 10.00 ppb
RT: 9.226 min Scan# 2884
Delta R.T. -0.006 min
Lab File: V8003786.D
Acq: 27 Sep 2016 12:35 pm

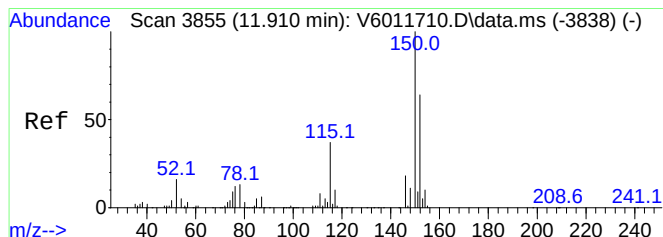
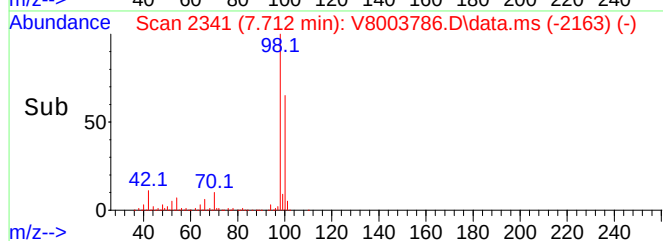
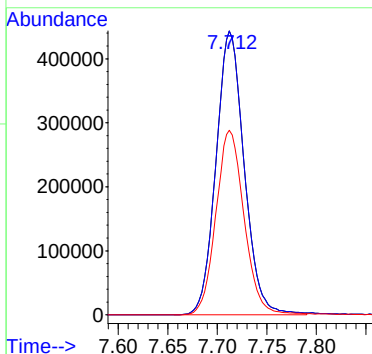
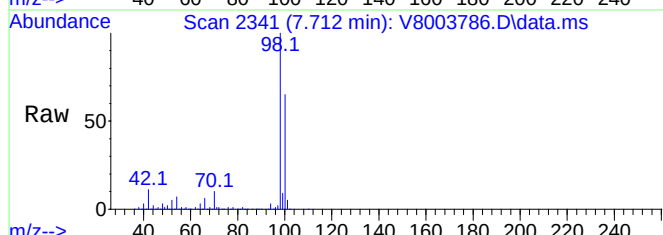
Tgt Ion:	117	Resp:	739590
Ion Ratio	Lower	Upper	
117	100		
82	49.1	34.0	70.6
119	32.2	21.5	44.7
54	18.9	13.8	28.6





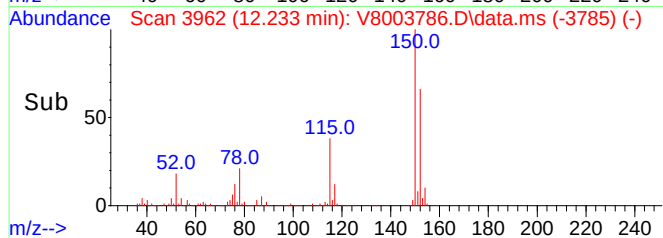
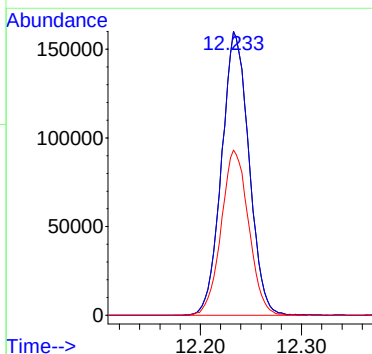
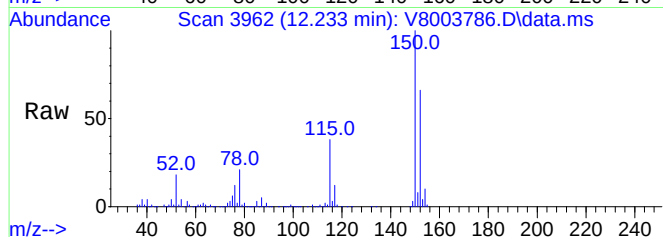
#51
Toluene-d8 (Surr)
Concen: 9.93 ppb
RT: 7.712 min Scan# 2341
Delta R.T. -0.003 min
Lab File: V8003786.D
Acq: 27 Sep 2016 12:35 pm

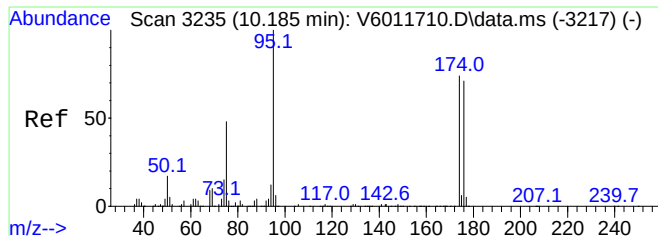
Tgt Ion: 98 Resp: 877750
Ion Ratio Lower Upper
98 100
98 100.0 65.0 135.0
100 65.1 42.8 89.0



#67
1,2-DICHLOROBENZENE-d4 (Istd)
Concen: 10.00 ppb
RT: 12.233 min Scan# 3962
Delta R.T. -0.006 min
Lab File: V8003786.D
Acq: 27 Sep 2016 12:35 pm

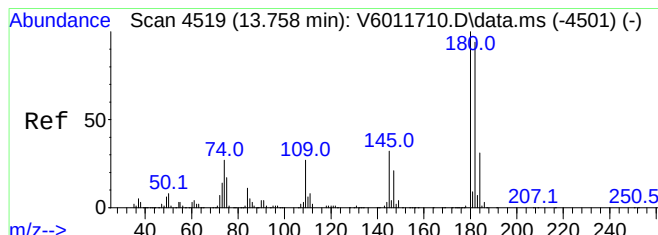
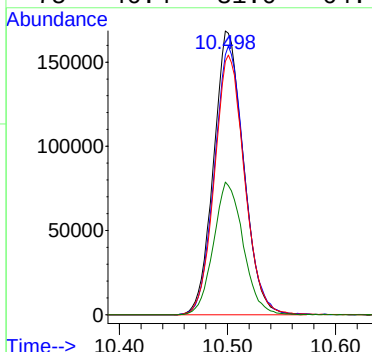
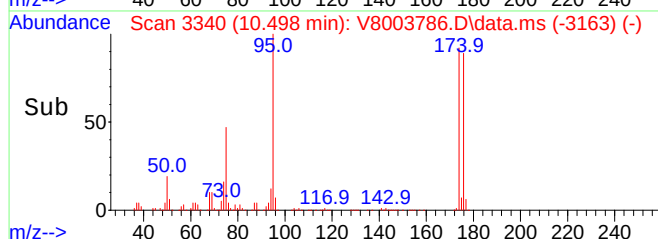
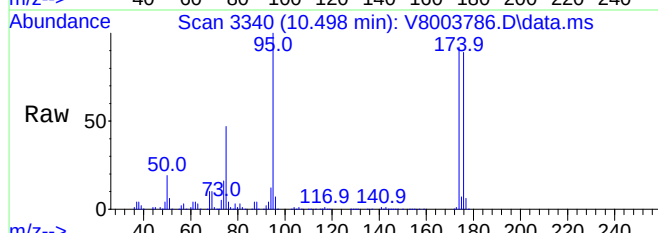
Tgt Ion: 152 Resp: 299751
Ion Ratio Lower Upper
152 100
152 100.0 50.0 150.0
115 58.4 31.5 94.5





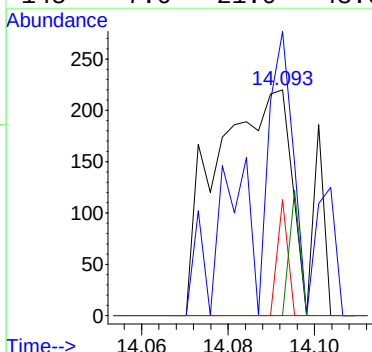
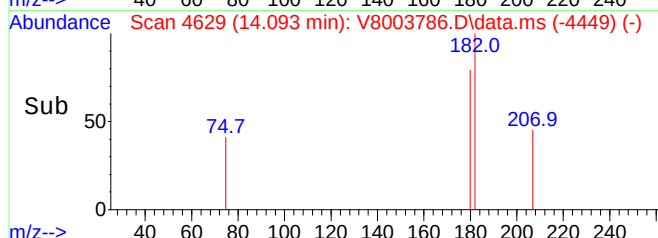
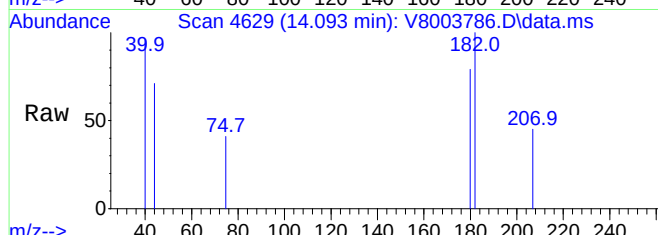
#70
p-Bromofluorobenzene (SURR)
Concen: 10.41 ppb
RT: 10.498 min Scan# 3340
Delta R.T. -0.006 min
Lab File: V8003786.D
Acq: 27 Sep 2016 12:35 pm

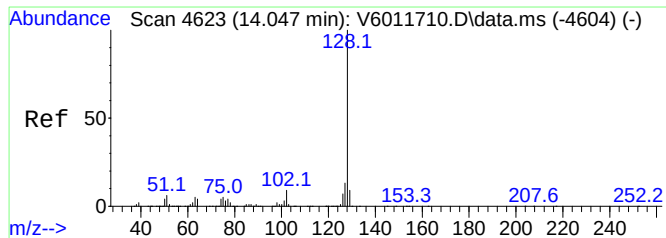
Tgt Ion:	95	Resp:	324546
Ion	Ratio	Lower	Upper
95	100		
174	95.1	47.8	99.4
176	91.9	46.3	96.1
75	46.4	31.0	64.4



#91
1,2,4-Trichlorobenzene
Concen: Below Cal
RT: 14.093 min Scan# 4629
Delta R.T. 0.003 min
Lab File: V8003786.D
Acq: 27 Sep 2016 12:35 pm

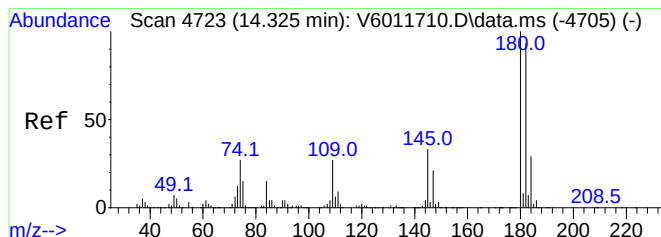
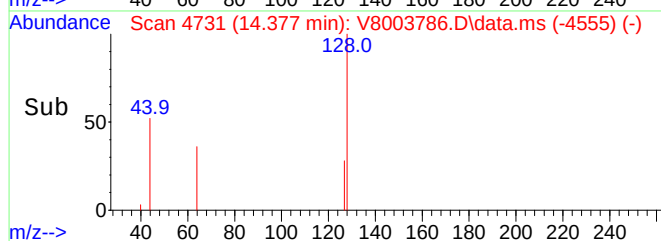
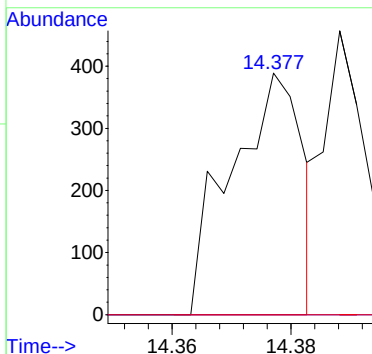
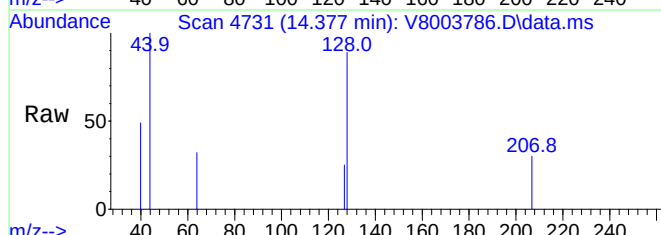
Tgt Ion:	180	Resp:	262
Ion	Ratio	Lower	Upper
180	100		
182	40.5	61.2	127.2#
74	7.3	17.6	36.5#
145	7.6	21.0	43.6#





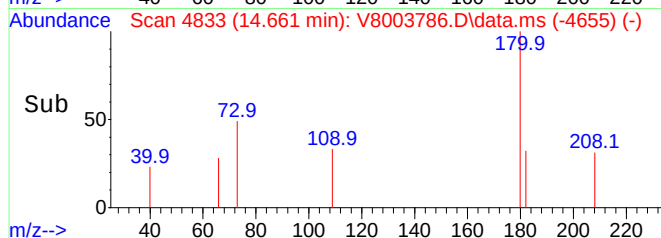
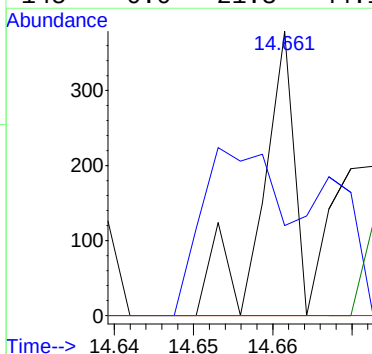
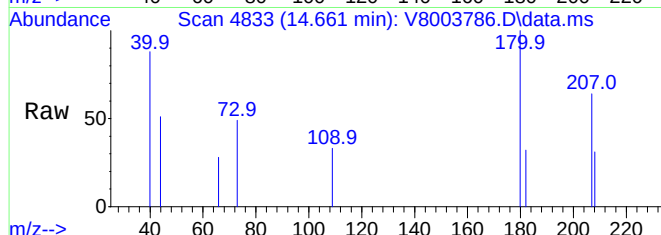
#93
Naphthalene
Concen: Below Cal
RT: 14.377 min Scan# 4731
Delta R.T. -0.009 min
Lab File: V8003786.D
Acq: 27 Sep 2016 12:35 pm

Tgt Ion:128 Resp: 326
Ion Ratio Lower Upper
128 100
127 0.0 8.5 17.6#
129 0.0 6.1 12.7#



#94
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 14.661 min Scan# 4833
Delta R.T. -0.003 min
Lab File: V8003786.D
Acq: 27 Sep 2016 12:35 pm

Tgt Ion:180 Resp: 109
Ion Ratio Lower Upper
180 100
182 156.0 60.5 125.7#
74 0.0 17.6 36.6#
145 0.0 21.3 44.1#



FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61100Laboratory ID: BI61100-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	10.1	101	82 - 126
1,1,1-Trichloroethane	10.0	11.0	110	78 - 136
1,1,2,2-Tetrachloroethane	10.0	10.2	102	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	10.9	109	54 - 165
1,1,2-Trichloroethane	10.0	10.4	104	82 - 123
1,1-Dichloroethane	10.0	10.9	109	82 - 129
1,1-Dichloroethylene	10.0	10.5	105	68 - 138
1,1-Dichloropropylene	10.0	10.4	104	83 - 133
1,2,3-Trichlorobenzene	10.0	9.95	99.5	76 - 136
1,2,3-Trichloropropane	10.0	10.3	103	77 - 128
1,2,4-Trichlorobenzene	10.0	10.3	103	76 - 137
1,2,4-Trimethylbenzene	10.0	10.5	105	82 - 132
1,2-Dibromo-3-chloropropane	10.0	9.65	96.5	45 - 147
1,2-Dibromoethane	10.0	10.4	104	83 - 124
1,2-Dichlorobenzene	10.0	9.68	96.8	79 - 123
1,2-Dichloroethane	10.0	10.9	109	73 - 132
1,2-Dichloropropane	10.0	10.0	100	78 - 126
1,3,5-Trimethylbenzene	10.0	10.4	104	80 - 131
1,3-Dichlorobenzene	10.0	9.95	99.5	86 - 122
1,3-Dichloropropane	10.0	10.2	102	81 - 125
1,4-Dichlorobenzene	10.0	9.92	99.2	85 - 124
2,2-Dichloropropane	10.0	11.1	111	56 - 150
2-Chlorotoluene	10.0	9.72	97.2	79 - 130
2-Hexanone	10.0	9.76	97.6	51 - 146
4-Chlorotoluene	10.0	9.76	97.6	79 - 128
Acetone	10.0	9.78	97.8	14 - 150
Benzene	10.0	10.8	108	85 - 126
Bromobenzene	10.0	10.1	101	78 - 129
Bromochloromethane	10.0	10.4	104	77 - 128
Bromodichloromethane	10.0	10.5	105	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61100Laboratory ID: BI61100-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Bromoform	10.0	10.4	104	78 - 133
Bromomethane	10.0	6.01	60.1	43 - 168
Carbon tetrachloride	10.0	11.3	113	77 - 141
Chlorobenzene	10.0	9.86	98.6	88 - 120
Chloroethane	10.0	9.99	99.9	65 - 136
Chloroform	10.0	11.0	110	82 - 128
Chloromethane	10.0	4.49	44.9	43 - 155
cis-1,2-Dichloroethylene	10.0	10.6	106	83 - 129
cis-1,3-Dichloropropylene	10.0	10.0	100	80 - 131
Dibromochloromethane	10.0	10.4	104	80 - 130
Dibromomethane	10.0	11.1	111	72 - 134
Dichlorodifluoromethane	10.0	9.32	93.2	44 - 144
Ethyl Benzene	10.0	10.3	103	80 - 131
Hexachlorobutadiene	10.0	10.1	101	67 - 146
Isopropylbenzene	10.0	9.78	97.8	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	10.5	105	76 - 135
Methylene chloride	10.0	12.0	120	55 - 137
Naphthalene	10.0	9.90	99.0	70 - 147
n-Butylbenzene	10.0	10.3	103	79 - 132
n-Propylbenzene	10.0	9.86	98.6	78 - 133
o-Xylene	10.0	9.81	98.1	78 - 130
p- & m- Xylenes	20.0	20.6	103	77 - 133
p-Isopropyltoluene	10.0	10.6	106	81 - 136
sec-Butylbenzene	10.0	9.57	95.7	79 - 137
Styrene	10.0	11.1	111	67 - 132
tert-Butylbenzene	10.0	9.79	97.9	77 - 138
Tetrachloroethylene	10.0	9.16	91.6	82 - 131
Toluene	10.0	10.3	103	80 - 127
trans-1,2-Dichloroethylene	10.0	10.5	105	80 - 132
trans-1,3-Dichloropropylene	10.0	9.84	98.4	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory:York Analytical Laboratories, Inc.SDG:16I0590

Client:Leggette Brashears & Graham Shelton OfficeProject:Rowe Industries

Matrix:Water

Batch:BI61100Laboratory ID:BI61100-BS1

Preparation:EPA 5030BInitial/Final:25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Trichloroethylene	10.0	10.3	103	82 - 128
Trichlorofluoromethane	10.0	11.0	110	67 - 139
Vinyl Chloride	10.0	9.51	95.1	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61100Laboratory ID: BI61100-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	10.0	10.0	100	0.795	30	82 - 126
1,1,1-Trichloroethane	10.0	10.7	107	2.49	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.91	99.1	2.69	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.3	103	5.94	30	54 - 165
1,1,2-Trichloroethane	10.0	10.2	102	1.93	30	82 - 123
1,1-Dichloroethane	10.0	10.5	105	3.82	30	82 - 129
1,1-Dichloroethylene	10.0	9.98	99.8	5.36	30	68 - 138
1,1-Dichloropropylene	10.0	10.3	103	0.867	30	83 - 133
1,2,3-Trichlorobenzene	10.0	9.86	98.6	0.909	30	76 - 136
1,2,3-Trichloropropane	10.0	10.1	101	2.45	30	77 - 128
1,2,4-Trichlorobenzene	10.0	9.97	99.7	3.26	30	76 - 137
1,2,4-Trimethylbenzene	10.0	10.1	101	3.69	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	9.77	97.7	1.24	30	45 - 147
1,2-Dibromoethane	10.0	10.2	102	1.46	30	83 - 124
1,2-Dichlorobenzene	10.0	9.32	93.2	3.79	30	79 - 123
1,2-Dichloroethane	10.0	10.7	107	1.76	30	73 - 132
1,2-Dichloropropane	10.0	9.77	97.7	2.83	30	78 - 126
1,3,5-Trimethylbenzene	10.0	10.2	102	2.72	30	80 - 131
1,3-Dichlorobenzene	10.0	9.53	95.3	4.31	30	86 - 122
1,3-Dichloropropane	10.0	10.1	101	0.789	30	81 - 125
1,4-Dichlorobenzene	10.0	9.65	96.5	2.76	30	85 - 124
2,2-Dichloropropane	10.0	10.9	109	2.27	30	56 - 150
2-Chlorotoluene	10.0	9.40	94.0	3.35	30	79 - 130
2-Hexanone	10.0	10.5	105	7.31	30	51 - 146
4-Chlorotoluene	10.0	9.40	94.0	3.76	30	79 - 128
Acetone	10.0	11.5	115	16.5	30	14 - 150
Benzene	10.0	10.6	106	2.34	30	85 - 126
Bromobenzene	10.0	9.63	96.3	4.37	30	78 - 129
Bromochloromethane	10.0	10.2	102	2.52	30	77 - 128
Bromodichloromethane	10.0	10.2	102	3.00	30	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61100Laboratory ID: BI61100-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Bromoform	10.0	10.2	102	1.75	30	78 - 133
Bromomethane	10.0	5.58	55.8	7.42	30	43 - 168
Carbon tetrachloride	10.0	11.1	111	1.97	30	77 - 141
Chlorobenzene	10.0	9.59	95.9	2.78	30	88 - 120
Chloroethane	10.0	9.32	93.2	6.94	30	65 - 136
Chloroform	10.0	10.8	108	1.65	30	82 - 128
Chloromethane	10.0	6.17	61.7	31.5 *	30	43 - 155
cis-1,2-Dichloroethylene	10.0	10.2	102	3.36	30	83 - 129
cis-1,3-Dichloropropylene	10.0	9.88	98.8	1.61	30	80 - 131
Dibromochloromethane	10.0	10.2	102	1.75	30	80 - 130
Dibromomethane	10.0	10.9	109	1.27	30	72 - 134
Dichlorodifluoromethane	10.0	8.94	89.4	4.16	30	44 - 144
Ethyl Benzene	10.0	10.1	101	2.35	30	80 - 131
Hexachlorobutadiene	10.0	9.92	99.2	1.70	30	67 - 146
Isopropylbenzene	10.0	9.53	95.3	2.59	30	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	10.4	104	0.959	30	76 - 135
Methylene chloride	10.0	13.5	135	12.2	30	55 - 137
Naphthalene	10.0	9.83	98.3	0.710	30	70 - 147
n-Butylbenzene	10.0	9.95	99.5	3.46	30	79 - 132
n-Propylbenzene	10.0	9.51	95.1	3.61	30	78 - 133
o-Xylene	10.0	9.61	96.1	2.06	30	78 - 130
p- & m- Xylenes	20.0	20.1	101	2.36	30	77 - 133
p-Isopropyltoluene	10.0	10.2	102	3.57	30	81 - 136
sec-Butylbenzene	10.0	9.31	93.1	2.75	30	79 - 137
Styrene	10.0	10.8	108	2.66	30	67 - 132
tert-Butylbenzene	10.0	9.43	94.3	3.75	30	77 - 138
Tetrachloroethylene	10.0	10.3	103	12.0	30	82 - 131
Toluene	10.0	10.0	100	2.86	30	80 - 127
trans-1,2-Dichloroethylene	10.0	10.4	104	1.05	30	80 - 132
trans-1,3-Dichloropropylene	10.0	9.77	97.7	0.714	30	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory:York Analytical Laboratories, Inc.

SDG:16I0590

Client:Leggette Brashears & Graham Shelton Office

Project:Rowe Industries

Matrix:Water

Batch:BI61100

Laboratory ID:BI61100-BSD1

Preparation:EPA 5030B

Initial/Final:25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Trichloroethylene	10.0	10.0	100	2.46	30	82 - 128
Trichlorofluoromethane	10.0	10.7	107	3.41	30	67 - 139
Vinyl Chloride	10.0	9.00	90.0	5.51	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61178Laboratory ID: BI61178-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	9.74	97.4	82 - 126
1,1,1-Trichloroethane	10.0	10.6	106	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.58	95.8	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11.0	110	54 - 165
1,1,2-Trichloroethane	10.0	9.78	97.8	82 - 123
1,1-Dichloroethane	10.0	10.5	105	82 - 129
1,1-Dichloroethylene	10.0	10.8	108	68 - 138
1,1-Dichloropropylene	10.0	10.3	103	83 - 133
1,2,3-Trichlorobenzene	10.0	9.53	95.3	76 - 136
1,2,3-Trichloropropane	10.0	9.68	96.8	77 - 128
1,2,4-Trichlorobenzene	10.0	9.83	98.3	76 - 137
1,2,4-Trimethylbenzene	10.0	10.2	102	82 - 132
1,2-Dibromo-3-chloropropane	10.0	9.40	94.0	45 - 147
1,2-Dibromoethane	10.0	9.80	98.0	83 - 124
1,2-Dichlorobenzene	10.0	9.35	93.5	79 - 123
1,2-Dichloroethane	10.0	10.6	106	73 - 132
1,2-Dichloropropane	10.0	9.32	93.2	78 - 126
1,3,5-Trimethylbenzene	10.0	10.1	101	80 - 131
1,3-Dichlorobenzene	10.0	9.66	96.6	86 - 122
1,3-Dichloropropane	10.0	9.60	96.0	81 - 125
1,4-Dichlorobenzene	10.0	9.62	96.2	85 - 124
2,2-Dichloropropane	10.0	10.9	109	56 - 150
2-Chlorotoluene	10.0	9.35	93.5	79 - 130
2-Hexanone	10.0	9.69	96.9	51 - 146
4-Chlorotoluene	10.0	9.33	93.3	79 - 128
Acetone	10.0	10.9	109	14 - 150
Benzene	10.0	10.4	104	85 - 126
Bromobenzene	10.0	9.44	94.4	78 - 129
Bromochloromethane	10.0	9.92	99.2	77 - 128
Bromodichloromethane	10.0	9.84	98.4	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61178Laboratory ID: BI61178-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Bromoform	10.0	9.89	98.9	78 - 133
Bromomethane	10.0	5.81	58.1	43 - 168
Carbon tetrachloride	10.0	11.0	110	77 - 141
Chlorobenzene	10.0	9.40	94.0	88 - 120
Chloroethane	10.0	10.0	100	65 - 136
Chloroform	10.0	10.6	106	82 - 128
Chloromethane	10.0	5.60	56.0	43 - 155
cis-1,2-Dichloroethylene	10.0	10.1	101	83 - 129
cis-1,3-Dichloropropylene	10.0	9.55	95.5	80 - 131
Dibromochloromethane	10.0	9.76	97.6	80 - 130
Dibromomethane	10.0	10.5	105	72 - 134
Dichlorodifluoromethane	10.0	10.4	104	44 - 144
Ethyl Benzene	10.0	9.86	98.6	80 - 131
Hexachlorobutadiene	10.0	9.60	96.0	67 - 146
Isopropylbenzene	10.0	9.45	94.5	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	10.0	100	76 - 135
Methylene chloride	10.0	9.06	90.6	55 - 137
Naphthalene	10.0	9.44	94.4	70 - 147
n-Butylbenzene	10.0	9.88	98.8	79 - 132
n-Propylbenzene	10.0	9.38	93.8	78 - 133
o-Xylene	10.0	9.47	94.7	78 - 130
p- & m- Xylenes	20.0	19.8	99.2	77 - 133
p-Isopropyltoluene	10.0	10.2	102	81 - 136
sec-Butylbenzene	10.0	9.28	92.8	79 - 137
Styrene	10.0	10.6	106	67 - 132
tert-Butylbenzene	10.0	9.44	94.4	77 - 138
Tetrachloroethylene	10.0	10.8	108	82 - 131
Toluene	10.0	9.75	97.5	80 - 127
trans-1,2-Dichloroethylene	10.0	10.2	102	80 - 132
trans-1,3-Dichloropropylene	10.0	9.36	93.6	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory:York Analytical Laboratories, Inc.

SDG:16I0590

Client:Leggette Brashears & Graham Shelton Office

Project:Rowe Industries

Matrix:Water

Batch:BI61178

Laboratory ID:BI61178-BS1

Preparation:EPA 5030B

Initial/Final:25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Trichloroethylene	10.0	9.85	98.5	82 - 128
Trichlorofluoromethane	10.0	11.0	110	67 - 139
Vinyl Chloride	10.0	9.39	93.9	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61178Laboratory ID: BI61178-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	10.0	9.98	99.8	2.43	30	82 - 126
1,1,1-Trichloroethane	10.0	11.0	110	3.06	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.45	94.5	1.37	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	11.3	113	2.69	30	54 - 165
1,1,2-Trichloroethane	10.0	9.92	99.2	1.42	30	82 - 123
1,1-Dichloroethane	10.0	10.6	106	0.379	30	82 - 129
1,1-Dichloroethylene	10.0	11.0	110	1.37	30	68 - 138
1,1-Dichloropropylene	10.0	10.3	103	0.777	30	83 - 133
1,2,3-Trichlorobenzene	10.0	9.66	96.6	1.35	30	76 - 136
1,2,3-Trichloropropane	10.0	9.68	96.8	0.00	30	77 - 128
1,2,4-Trichlorobenzene	10.0	9.81	98.1	0.204	30	76 - 137
1,2,4-Trimethylbenzene	10.0	10.2	102	0.588	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	9.34	93.4	0.640	30	45 - 147
1,2-Dibromoethane	10.0	10.1	101	2.72	30	83 - 124
1,2-Dichlorobenzene	10.0	9.39	93.9	0.427	30	79 - 123
1,2-Dichloroethane	10.0	10.6	106	0.189	30	73 - 132
1,2-Dichloropropane	10.0	9.51	95.1	2.02	30	78 - 126
1,3,5-Trimethylbenzene	10.0	10.3	103	2.36	30	80 - 131
1,3-Dichlorobenzene	10.0	9.71	97.1	0.516	30	86 - 122
1,3-Dichloropropane	10.0	9.64	96.4	0.416	30	81 - 125
1,4-Dichlorobenzene	10.0	9.68	96.8	0.622	30	85 - 124
2,2-Dichloropropane	10.0	10.9	109	0.0920	30	56 - 150
2-Chlorotoluene	10.0	9.43	94.3	0.852	30	79 - 130
2-Hexanone	10.0	8.95	89.5	7.94	30	51 - 146
4-Chlorotoluene	10.0	9.47	94.7	1.49	30	79 - 128
Acetone	10.0	8.59	85.9	23.9	30	14 - 150
Benzene	10.0	10.6	106	2.19	30	85 - 126
Bromobenzene	10.0	9.72	97.2	2.92	30	78 - 129
Bromochloromethane	10.0	9.93	99.3	0.101	30	77 - 128
Bromodichloromethane	10.0	10.0	100	1.81	30	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61178Laboratory ID: BI61178-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Bromoform	10.0	9.86	98.6	0.304	30	78 - 133
Bromomethane	10.0	6.14	61.4	5.52	30	43 - 168
Carbon tetrachloride	10.0	11.2	112	2.26	30	77 - 141
Chlorobenzene	10.0	9.61	96.1	2.21	30	88 - 120
Chloroethane	10.0	9.87	98.7	1.51	30	65 - 136
Chloroform	10.0	10.8	108	2.43	30	82 - 128
Chloromethane	10.0	6.04	60.4	7.56	30	43 - 155
cis-1,2-Dichloroethylene	10.0	10.2	102	0.984	30	83 - 129
cis-1,3-Dichloropropylene	10.0	9.73	97.3	1.87	30	80 - 131
Dibromochloromethane	10.0	9.89	98.9	1.32	30	80 - 130
Dibromomethane	10.0	10.6	106	0.951	30	72 - 134
Dichlorodifluoromethane	10.0	10.4	104	0.673	30	44 - 144
Ethyl Benzene	10.0	10.1	101	2.31	30	80 - 131
Hexachlorobutadiene	10.0	9.79	97.9	1.96	30	67 - 146
Isopropylbenzene	10.0	9.71	97.1	2.71	30	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	10.2	102	1.39	30	76 - 135
Methylene chloride	10.0	9.23	92.3	1.86	30	55 - 137
Naphthalene	10.0	9.47	94.7	0.317	30	70 - 147
n-Butylbenzene	10.0	10.0	100	1.21	30	79 - 132
n-Propylbenzene	10.0	9.60	96.0	2.32	30	78 - 133
o-Xylene	10.0	9.65	96.5	1.88	30	78 - 130
p- & m- Xylenes	20.0	20.2	101	1.80	30	77 - 133
p-Isopropyltoluene	10.0	10.4	104	1.55	30	81 - 136
sec-Butylbenzene	10.0	9.38	93.8	1.07	30	79 - 137
Styrene	10.0	10.7	107	0.282	30	67 - 132
tert-Butylbenzene	10.0	9.75	97.5	3.23	30	77 - 138
Tetrachloroethylene	10.0	9.14	91.4	17.0	30	82 - 131
Toluene	10.0	9.97	99.7	2.23	30	80 - 127
trans-1,2-Dichloroethylene	10.0	10.4	104	2.05	30	80 - 132
trans-1,3-Dichloropropylene	10.0	9.40	94.0	0.426	30	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory:
Client:
Matrix:
Batch:
Preparation:

York Analytical Laboratories, Inc.
Leggette Brashears & Graham Shelton Office
Water
BI61178
EPA 5030B

SDG:
Project:

Laboratory ID:
Initial/Final:

16I0590
Rowe Industries

BI61178-BSD1
25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Trichloroethylene	10.0	10.2	102	3.20	30	82 - 128
Trichlorofluoromethane	10.0	11.1	111	0.902	30	67 - 139
Vinyl Chloride	10.0	9.60	96.0	2.21	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61179Laboratory ID: BI61179-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	9.88	98.8	82 - 126
1,1,1-Trichloroethane	10.0	11.2	112	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.20	92.0	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	10.2	102	54 - 165
1,1,2-Trichloroethane	10.0	9.92	99.2	82 - 123
1,1-Dichloroethane	10.0	10.8	108	82 - 129
1,1-Dichloroethylene	10.0	10.3	103	68 - 138
1,1-Dichloropropylene	10.0	10.7	107	83 - 133
1,2,3-Trichlorobenzene	10.0	9.34	93.4	76 - 136
1,2,3-Trichloropropane	10.0	9.86	98.6	77 - 128
1,2,4-Trichlorobenzene	10.0	9.72	97.2	76 - 137
1,2,4-Trimethylbenzene	10.0	10.1	101	82 - 132
1,2-Dibromo-3-chloropropane	10.0	8.98	89.8	45 - 147
1,2-Dibromoethane	10.0	9.91	99.1	83 - 124
1,2-Dichlorobenzene	10.0	9.37	93.7	79 - 123
1,2-Dichloroethane	10.0	10.8	108	73 - 132
1,2-Dichloropropane	10.0	9.38	93.8	78 - 126
1,3,5-Trimethylbenzene	10.0	10.2	102	80 - 131
1,3-Dichlorobenzene	10.0	9.69	96.9	86 - 122
1,3-Dichloropropane	10.0	9.70	97.0	81 - 125
1,4-Dichlorobenzene	10.0	9.62	96.2	85 - 124
2,2-Dichloropropane	10.0	8.84	88.4	56 - 150
2-Chlorotoluene	10.0	9.42	94.2	79 - 130
2-Hexanone	10.0	8.19	81.9	51 - 146
4-Chlorotoluene	10.0	9.41	94.1	79 - 128
Acetone	10.0	8.71	87.1	14 - 150
Benzene	10.0	10.7	107	85 - 126
Bromobenzene	10.0	9.43	94.3	78 - 129
Bromochloromethane	10.0	10.2	102	77 - 128
Bromodichloromethane	10.0	9.85	98.5	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61179Laboratory ID: BI61179-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Bromoform	10.0	10.0	100	78 - 133
Bromomethane	10.0	9.54	95.4	43 - 168
Carbon tetrachloride	10.0	11.4	114	77 - 141
Chlorobenzene	10.0	9.49	94.9	88 - 120
Chloroethane	10.0	10.1	101	65 - 136
Chloroform	10.0	11.0	110	82 - 128
Chloromethane	10.0	6.30	63.0	43 - 155
cis-1,2-Dichloroethylene	10.0	10.2	102	83 - 129
cis-1,3-Dichloropropylene	10.0	9.32	93.2	80 - 131
Dibromochloromethane	10.0	9.85	98.5	80 - 130
Dibromomethane	10.0	10.6	106	72 - 134
Dichlorodifluoromethane	10.0	10.7	107	44 - 144
Ethyl Benzene	10.0	9.98	99.8	80 - 131
Hexachlorobutadiene	10.0	9.58	95.8	67 - 146
Isopropylbenzene	10.0	9.61	96.1	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	10.3	103	76 - 135
Methylene chloride	10.0	9.33	93.3	55 - 137
Naphthalene	10.0	9.30	93.0	70 - 147
n-Butylbenzene	10.0	9.78	97.8	79 - 132
n-Propylbenzene	10.0	9.43	94.3	78 - 133
o-Xylene	10.0	9.52	95.2	78 - 130
p- & m- Xylenes	20.0	20.1	100	77 - 133
p-Isopropyltoluene	10.0	10.1	101	81 - 136
sec-Butylbenzene	10.0	9.26	92.6	79 - 137
Styrene	10.0	10.6	106	67 - 132
tert-Butylbenzene	10.0	9.67	96.7	77 - 138
Tetrachloroethylene	10.0	12.6	126	82 - 131
Toluene	10.0	9.94	99.4	80 - 127
trans-1,2-Dichloroethylene	10.0	10.5	105	80 - 132
trans-1,3-Dichloropropylene	10.0	9.02	90.2	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590

Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe Industries

Matrix: Water

Batch: BI61179Laboratory ID: BI61179-BS1

Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Trichloroethylene	10.0	10.2	102	82 - 128
Trichlorofluoromethane	10.0	11.6	116	67 - 139
Vinyl Chloride	10.0	9.78	97.8	58 - 145

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61179Laboratory ID: BI61179-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	10.0	10.1	101	2.20	30	82 - 126
1,1,1-Trichloroethane	10.0	11.1	111	0.990	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.17	91.7	0.327	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.4	104	2.13	30	54 - 165
1,1,2-Trichloroethane	10.0	9.96	99.6	0.402	30	82 - 123
1,1-Dichloroethane	10.0	10.7	107	0.934	30	82 - 129
1,1-Dichloroethylene	10.0	10.4	104	1.15	30	68 - 138
1,1-Dichloropropylene	10.0	10.4	104	2.27	30	83 - 133
1,2,3-Trichlorobenzene	10.0	9.57	95.7	2.43	30	76 - 136
1,2,3-Trichloropropane	10.0	9.70	97.0	1.64	30	77 - 128
1,2,4-Trichlorobenzene	10.0	9.74	97.4	0.206	30	76 - 137
1,2,4-Trimethylbenzene	10.0	10.0	100	1.09	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	9.22	92.2	2.64	30	45 - 147
1,2-Dibromoethane	10.0	10.1	101	1.60	30	83 - 124
1,2-Dichlorobenzene	10.0	9.29	92.9	0.857	30	79 - 123
1,2-Dichloroethane	10.0	10.8	108	0.0923	30	73 - 132
1,2-Dichloropropane	10.0	9.50	95.0	1.27	30	78 - 126
1,3,5-Trimethylbenzene	10.0	10.1	101	1.68	30	80 - 131
1,3-Dichlorobenzene	10.0	9.59	95.9	1.04	30	86 - 122
1,3-Dichloropropane	10.0	9.73	97.3	0.309	30	81 - 125
1,4-Dichlorobenzene	10.0	9.49	94.9	1.36	30	85 - 124
2,2-Dichloropropane	10.0	8.68	86.8	1.83	30	56 - 150
2-Chlorotoluene	10.0	9.26	92.6	1.71	30	79 - 130
2-Hexanone	10.0	8.61	86.1	5.00	30	51 - 146
4-Chlorotoluene	10.0	9.34	93.4	0.747	30	79 - 128
Acetone	10.0	7.96	79.6	9.00	30	14 - 150
Benzene	10.0	10.8	108	0.558	30	85 - 126
Bromobenzene	10.0	9.55	95.5	1.26	30	78 - 129
Bromochloromethane	10.0	10.0	100	1.49	30	77 - 128
Bromodichloromethane	10.0	10.0	100	1.61	30	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61179Laboratory ID: BI61179-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Bromoform	10.0	10.1	101	0.893	30	78 - 133
Bromomethane	10.0	10.4	104	8.72	30	43 - 168
Carbon tetrachloride	10.0	11.2	112	1.76	30	77 - 141
Chlorobenzene	10.0	9.56	95.6	0.735	30	88 - 120
Chloroethane	10.0	10.2	102	0.889	30	65 - 136
Chloroform	10.0	11.0	110	0.0909	30	82 - 128
Chloromethane	10.0	6.22	62.2	1.28	30	43 - 155
cis-1,2-Dichloroethylene	10.0	10.1	101	0.692	30	83 - 129
cis-1,3-Dichloropropylene	10.0	9.37	93.7	0.535	30	80 - 131
Dibromochloromethane	10.0	9.96	99.6	1.11	30	80 - 130
Dibromomethane	10.0	10.5	105	0.663	30	72 - 134
Dichlorodifluoromethane	10.0	10.4	104	3.61	30	44 - 144
Ethyl Benzene	10.0	10.0	100	0.699	30	80 - 131
Hexachlorobutadiene	10.0	9.55	95.5	0.314	30	67 - 146
Isopropylbenzene	10.0	9.51	95.1	1.05	30	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	10.3	103	0.583	30	76 - 135
Methylene chloride	10.0	9.39	93.9	0.641	30	55 - 137
Naphthalene	10.0	9.35	93.5	0.536	30	70 - 147
n-Butylbenzene	10.0	9.56	95.6	2.28	30	79 - 132
n-Propylbenzene	10.0	9.29	92.9	1.50	30	78 - 133
o-Xylene	10.0	9.55	95.5	0.315	30	78 - 130
p- & m- Xylenes	20.0	20.1	100	0.0498	30	77 - 133
p-Isopropyltoluene	10.0	10.1	101	0.494	30	81 - 136
sec-Butylbenzene	10.0	9.13	91.3	1.41	30	79 - 137
Styrene	10.0	10.8	108	1.69	30	67 - 132
tert-Butylbenzene	10.0	9.46	94.6	2.20	30	77 - 138
Tetrachloroethylene	10.0	11.3	113	10.8	30	82 - 131
Toluene	10.0	9.97	99.7	0.301	30	80 - 127
trans-1,2-Dichloroethylene	10.0	10.4	104	1.05	30	80 - 132
trans-1,3-Dichloropropylene	10.0	9.14	91.4	1.32	30	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory:York Analytical Laboratories, Inc.

SDG:16I0590

Client:Leggette Brashears & Graham Shelton Office

Project:Rowe Industries

Matrix:Water

Batch:BI61179

Laboratory ID:BI61179-BSD1

Preparation:EPA 5030B

Initial/Final:25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Trichloroethylene	10.0	10.2	102	0.0978	30	82 - 128
Trichlorofluoromethane	10.0	11.5	115	0.777	30	67 - 139
Vinyl Chloride	10.0	9.67	96.7	1.13	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61211Laboratory ID: BI61211-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	9.11	91.1	82 - 126
1,1,1-Trichloroethane	10.0	9.56	95.6	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.88	98.8	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.38	93.8	54 - 165
1,1,2-Trichloroethane	10.0	9.21	92.1	82 - 123
1,1-Dichloroethane	10.0	9.82	98.2	82 - 129
1,1-Dichloroethylene	10.0	9.53	95.3	68 - 138
1,1-Dichloropropylene	10.0	9.62	96.2	83 - 133
1,2,3-Trichlorobenzene	10.0	9.29	92.9	76 - 136
1,2,3-Trichloropropane	10.0	9.70	97.0	77 - 128
1,2,4-Trichlorobenzene	10.0	9.63	96.3	76 - 137
1,2,4-Trimethylbenzene	10.0	10.0	100	82 - 132
1,2-Dibromo-3-chloropropane	10.0	9.94	99.4	45 - 147
1,2-Dibromoethane	10.0	9.27	92.7	83 - 124
1,2-Dichlorobenzene	10.0	8.82	88.2	79 - 123
1,2-Dichloroethane	10.0	9.01	90.1	73 - 132
1,2-Dichloropropane	10.0	9.48	94.8	78 - 126
1,3,5-Trimethylbenzene	10.0	9.90	99.0	80 - 131
1,3-Dichlorobenzene	10.0	9.17	91.7	86 - 122
1,3-Dichloropropane	10.0	9.30	93.0	81 - 125
1,4-Dichlorobenzene	10.0	8.88	88.8	85 - 124
2,2-Dichloropropane	10.0	9.51	95.1	56 - 150
2-Chlorotoluene	10.0	9.41	94.1	79 - 130
2-Hexanone	10.0	2.33	23.3 *	51 - 146
4-Chlorotoluene	10.0	9.44	94.4	79 - 128
Acetone	10.0	7.96	79.6	14 - 150
Benzene	10.0	9.89	98.9	85 - 126
Bromobenzene	10.0	9.88	98.8	78 - 129
Bromochloromethane	10.0	10.3	103	77 - 128
Bromodichloromethane	10.0	9.17	91.7	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61211Laboratory ID: BI61211-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Bromoform	10.0	9.14	91.4	78 - 133
Bromomethane	10.0	2.73	27.3 *	43 - 168
Carbon tetrachloride	10.0	9.40	94.0	77 - 141
Chlorobenzene	10.0	8.88	88.8	88 - 120
Chloroethane	10.0	8.94	89.4	65 - 136
Chloroform	10.0	9.55	95.5	82 - 128
Chloromethane	10.0	7.39	73.9	43 - 155
cis-1,2-Dichloroethylene	10.0	9.56	95.6	83 - 129
cis-1,3-Dichloropropylene	10.0	9.43	94.3	80 - 131
Dibromochloromethane	10.0	9.23	92.3	80 - 130
Dibromomethane	10.0	9.01	90.1	72 - 134
Dichlorodifluoromethane	10.0	7.83	78.3	44 - 144
Ethyl Benzene	10.0	9.78	97.8	80 - 131
Hexachlorobutadiene	10.0	9.42	94.2	67 - 146
Isopropylbenzene	10.0	9.63	96.3	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	9.50	95.0	76 - 135
Methylene chloride	10.0	8.74	87.4	55 - 137
Naphthalene	10.0	9.34	93.4	70 - 147
n-Butylbenzene	10.0	10.0	100	79 - 132
n-Propylbenzene	10.0	9.80	98.0	78 - 133
o-Xylene	10.0	9.21	92.1	78 - 130
p- & m- Xylenes	20.0	19.4	97.0	77 - 133
p-Isopropyltoluene	10.0	9.93	99.3	81 - 136
sec-Butylbenzene	10.0	9.32	93.2	79 - 137
Styrene	10.0	9.99	99.9	67 - 132
tert-Butylbenzene	10.0	9.44	94.4	77 - 138
Tetrachloroethylene	10.0	8.84	88.4	82 - 131
Toluene	10.0	9.43	94.3	80 - 127
trans-1,2-Dichloroethylene	10.0	9.57	95.7	80 - 132
trans-1,3-Dichloropropylene	10.0	9.24	92.4	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590

Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe Industries

Matrix: Water

Batch: BI61211Laboratory ID: BI61211-BS1

Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Trichloroethylene	10.0	8.95	89.5	82 - 128
Trichlorofluoromethane	10.0	9.04	90.4	67 - 139
Vinyl Chloride	10.0	8.45	84.5	58 - 145

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61211Laboratory ID: BI61211-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	10.0	9.56	95.6	4.82	30	82 - 126
1,1,1-Trichloroethane	10.0	9.53	95.3	0.314	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	10.1	101	2.60	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.55	95.5	1.80	30	54 - 165
1,1,2-Trichloroethane	10.0	9.51	95.1	3.21	30	82 - 123
1,1-Dichloroethane	10.0	10.2	102	3.30	30	82 - 129
1,1-Dichloroethylene	10.0	9.61	96.1	0.836	30	68 - 138
1,1-Dichloropropylene	10.0	9.74	97.4	1.24	30	83 - 133
1,2,3-Trichlorobenzene	10.0	9.64	96.4	3.70	30	76 - 136
1,2,3-Trichloropropane	10.0	10.1	101	4.34	30	77 - 128
1,2,4-Trichlorobenzene	10.0	10.1	101	4.37	30	76 - 137
1,2,4-Trimethylbenzene	10.0	10.3	103	3.24	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	9.02	90.2	9.70	30	45 - 147
1,2-Dibromoethane	10.0	9.47	94.7	2.13	30	83 - 124
1,2-Dichlorobenzene	10.0	9.11	91.1	3.23	30	79 - 123
1,2-Dichloroethane	10.0	9.02	90.2	0.111	30	73 - 132
1,2-Dichloropropane	10.0	9.85	98.5	3.83	30	78 - 126
1,3,5-Trimethylbenzene	10.0	10.2	102	2.49	30	80 - 131
1,3-Dichlorobenzene	10.0	9.51	95.1	3.64	30	86 - 122
1,3-Dichloropropane	10.0	9.55	95.5	2.65	30	81 - 125
1,4-Dichlorobenzene	10.0	9.06	90.6	2.01	30	85 - 124
2,2-Dichloropropane	10.0	9.43	94.3	0.845	30	56 - 150
2-Chlorotoluene	10.0	9.83	98.3	4.37	30	79 - 130
2-Hexanone	10.0	2.44	24.4 *	4.61	30	51 - 146
4-Chlorotoluene	10.0	9.80	98.0	3.74	30	79 - 128
Acetone	10.0	7.91	79.1	0.630	30	14 - 150
Benzene	10.0	9.87	98.7	0.202	30	85 - 126
Bromobenzene	10.0	10.1	101	2.00	30	78 - 129
Bromochloromethane	10.0	10.3	103	0.389	30	77 - 128
Bromodichloromethane	10.0	9.41	94.1	2.58	30	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61211Laboratory ID: BI61211-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Bromoform	10.0	9.20	92.0	0.654	30	78 - 133
Bromomethane	10.0	3.57	35.7 *	26.7	30	43 - 168
Carbon tetrachloride	10.0	9.53	95.3	1.37	30	77 - 141
Chlorobenzene	10.0	9.17	91.7	3.21	30	88 - 120
Chloroethane	10.0	8.93	89.3	0.112	30	65 - 136
Chloroform	10.0	9.67	96.7	1.25	30	82 - 128
Chloromethane	10.0	7.60	76.0	2.80	30	43 - 155
cis-1,2-Dichloroethylene	10.0	9.61	96.1	0.522	30	83 - 129
cis-1,3-Dichloropropylene	10.0	9.49	94.9	0.634	30	80 - 131
Dibromochloromethane	10.0	9.28	92.8	0.540	30	80 - 130
Dibromomethane	10.0	9.29	92.9	3.06	30	72 - 134
Dichlorodifluoromethane	10.0	8.03	80.3	2.52	30	44 - 144
Ethyl Benzene	10.0	9.94	99.4	1.62	30	80 - 131
Hexachlorobutadiene	10.0	9.52	95.2	1.06	30	67 - 146
Isopropylbenzene	10.0	9.95	99.5	3.27	30	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	9.80	98.0	3.11	30	76 - 135
Methylene chloride	10.0	8.78	87.8	0.457	30	55 - 137
Naphthalene	10.0	9.61	96.1	2.85	30	70 - 147
n-Butylbenzene	10.0	10.2	102	1.58	30	79 - 132
n-Propylbenzene	10.0	10.1	101	2.72	30	78 - 133
o-Xylene	10.0	9.28	92.8	0.757	30	78 - 130
p- & m- Xylenes	20.0	19.9	99.3	2.39	30	77 - 133
p-Isopropyltoluene	10.0	10.2	102	2.29	30	81 - 136
sec-Butylbenzene	10.0	9.65	96.5	3.48	30	79 - 137
Styrene	10.0	10.3	103	3.44	30	67 - 132
tert-Butylbenzene	10.0	9.81	98.1	3.84	30	77 - 138
Tetrachloroethylene	10.0	8.80	88.0	0.454	30	82 - 131
Toluene	10.0	9.43	94.3	0.00	30	80 - 127
trans-1,2-Dichloroethylene	10.0	9.68	96.8	1.14	30	80 - 132
trans-1,3-Dichloropropylene	10.0	9.52	95.2	2.99	30	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory:York Analytical Laboratories, Inc.SDG:16I0590

Client:Leggette Brashears & Graham Shelton OfficeProject:Rowe Industries

Matrix:Water

Batch:BI61211Laboratory ID:BI61211-BSD1

Preparation:EPA 5030BInitial/Final:25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Trichloroethylene	10.0	9.28	92.8	3.62	30	82 - 128
Trichlorofluoromethane	10.0	9.42	94.2	4.12	30	67 - 139
Vinyl Chloride	10.0	8.78	87.8	3.83	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61212Laboratory ID: BI61212-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	9.04	90.4	82 - 126
1,1,1-Trichloroethane	10.0	9.74	97.4	78 - 136
1,1,2,2-Tetrachloroethane	10.0	10.1	101	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.40	94.0	54 - 165
1,1,2-Trichloroethane	10.0	10.2	102	82 - 123
1,1-Dichloroethane	10.0	9.67	96.7	82 - 129
1,1-Dichloroethylene	10.0	9.62	96.2	68 - 138
1,1-Dichloropropylene	10.0	9.32	93.2	83 - 133
1,2,3-Trichlorobenzene	10.0	14.6	146 *	76 - 136
1,2,3-Trichloropropane	10.0	10.4	104	77 - 128
1,2,4-Trichlorobenzene	10.0	12.1	121	76 - 137
1,2,4-Trimethylbenzene	10.0	8.51	85.1	82 - 132
1,2-Dibromo-3-chloropropane	10.0	10.8	108	45 - 147
1,2-Dibromoethane	10.0	10.6	106	83 - 124
1,2-Dichlorobenzene	10.0	8.82	88.2	79 - 123
1,2-Dichloroethane	10.0	9.99	99.9	73 - 132
1,2-Dichloropropane	10.0	9.32	93.2	78 - 126
1,3,5-Trimethylbenzene	10.0	8.42	84.2	80 - 131
1,3-Dichlorobenzene	10.0	8.06	80.6 *	86 - 122
1,3-Dichloropropane	10.0	10.2	102	81 - 125
1,4-Dichlorobenzene	10.0	8.41	84.1 *	85 - 124
2,2-Dichloropropane	10.0	8.93	89.3	56 - 150
2-Chlorotoluene	10.0	8.12	81.2	79 - 130
2-Hexanone	10.0	11.2	112	51 - 146
4-Chlorotoluene	10.0	8.20	82.0	79 - 128
Acetone	10.0	8.88	88.8	14 - 150
Benzene	10.0	9.33	93.3	85 - 126
Bromobenzene	10.0	8.82	88.2	78 - 129
Bromochloromethane	10.0	10.6	106	77 - 128
Bromodichloromethane	10.0	9.85	98.5	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61212Laboratory ID: BI61212-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Bromoform	10.0	11.9	119	78 - 133
Bromomethane	10.0	4.50	45.0	43 - 168
Carbon tetrachloride	10.0	10.3	103	77 - 141
Chlorobenzene	10.0	8.76	87.6 *	88 - 120
Chloroethane	10.0	9.39	93.9	65 - 136
Chloroform	10.0	9.65	96.5	82 - 128
Chloromethane	10.0	2.98	29.8 *	43 - 155
cis-1,2-Dichloroethylene	10.0	9.24	92.4	83 - 129
cis-1,3-Dichloropropylene	10.0	9.44	94.4	80 - 131
Dibromochloromethane	10.0	10.3	103	80 - 130
Dibromomethane	10.0	10.5	105	72 - 134
Dichlorodifluoromethane	10.0	8.54	85.4	44 - 144
Ethyl Benzene	10.0	9.12	91.2	80 - 131
Hexachlorobutadiene	10.0	10.0	100	67 - 146
Isopropylbenzene	10.0	8.28	82.8	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	10.7	107	76 - 135
Methylene chloride	10.0	9.57	95.7	55 - 137
Naphthalene	10.0	13.6	136	70 - 147
n-Butylbenzene	10.0	8.51	85.1	79 - 132
n-Propylbenzene	10.0	8.20	82.0	78 - 133
o-Xylene	10.0	8.60	86.0	78 - 130
p- & m- Xylenes	20.0	17.7	88.6	77 - 133
p-Isopropyltoluene	10.0	8.50	85.0	81 - 136
sec-Butylbenzene	10.0	8.04	80.4	79 - 137
Styrene	10.0	9.57	95.7	67 - 132
tert-Butylbenzene	10.0	8.18	81.8	77 - 138
Tetrachloroethylene	10.0	9.00	90.0	82 - 131
Toluene	10.0	8.92	89.2	80 - 127
trans-1,2-Dichloroethylene	10.0	9.34	93.4	80 - 132
trans-1,3-Dichloropropylene	10.0	9.59	95.9	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory:York Analytical Laboratories, Inc.

SDG:16I0590

Client:Leggette Brashears & Graham Shelton Office

Project:Rowe Industries

Matrix:Water

Batch:BI61212

Laboratory ID:BI61212-BS1

Preparation:EPA 5030B

Initial/Final:25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Trichloroethylene	10.0	8.98	89.8	82 - 128
Trichlorofluoromethane	10.0	11.6	116	67 - 139
Vinyl Chloride	10.0	6.86	68.6	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61212Laboratory ID: BI61212-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	10.0	9.24	92.4	2.19	30	82 - 126
1,1,1-Trichloroethane	10.0	9.82	98.2	0.818	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	10.3	103	1.77	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.41	94.1	0.106	30	54 - 165
1,1,2-Trichloroethane	10.0	10.6	106	3.86	30	82 - 123
1,1-Dichloroethane	10.0	10.0	100	3.65	30	82 - 129
1,1-Dichloroethylene	10.0	9.65	96.5	0.311	30	68 - 138
1,1-Dichloropropylene	10.0	9.41	94.1	0.961	30	83 - 133
1,2,3-Trichlorobenzene	10.0	16.8	168 *	14.1	30	76 - 136
1,2,3-Trichloropropane	10.0	10.3	103	0.580	30	77 - 128
1,2,4-Trichlorobenzene	10.0	13.1	131	8.32	30	76 - 137
1,2,4-Trimethylbenzene	10.0	8.59	85.9	0.936	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	11.3	113	4.35	30	45 - 147
1,2-Dibromoethane	10.0	11.0	110	3.70	30	83 - 124
1,2-Dichlorobenzene	10.0	8.84	88.4	0.227	30	79 - 123
1,2-Dichloroethane	10.0	10.4	104	3.93	30	73 - 132
1,2-Dichloropropane	10.0	9.44	94.4	1.28	30	78 - 126
1,3,5-Trimethylbenzene	10.0	8.41	84.1	0.119	30	80 - 131
1,3-Dichlorobenzene	10.0	8.18	81.8 *	1.48	30	86 - 122
1,3-Dichloropropane	10.0	10.5	105	2.79	30	81 - 125
1,4-Dichlorobenzene	10.0	8.40	84.0 *	0.119	30	85 - 124
2,2-Dichloropropane	10.0	8.81	88.1	1.35	30	56 - 150
2-Chlorotoluene	10.0	8.04	80.4	0.990	30	79 - 130
2-Hexanone	10.0	12.0	120	6.37	30	51 - 146
4-Chlorotoluene	10.0	8.08	80.8	1.47	30	79 - 128
Acetone	10.0	9.85	98.5	10.4	30	14 - 150
Benzene	10.0	9.50	95.0	1.81	30	85 - 126
Bromobenzene	10.0	9.05	90.5	2.57	30	78 - 129
Bromochloromethane	10.0	10.8	108	2.52	30	77 - 128
Bromodichloromethane	10.0	10.2	102	3.49	30	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61212Laboratory ID: BI61212-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Bromoform	10.0	12.3	123	3.31	30	78 - 133
Bromomethane	10.0	10.4	104	79.4 *	30	43 - 168
Carbon tetrachloride	10.0	10.4	104	0.775	30	77 - 141
Chlorobenzene	10.0	8.87	88.7	1.25	30	88 - 120
Chloroethane	10.0	9.27	92.7	1.29	30	65 - 136
Chloroform	10.0	9.91	99.1	2.66	30	82 - 128
Chloromethane	10.0	3.86	38.6 *	25.7	30	43 - 155
cis-1,2-Dichloroethylene	10.0	9.52	95.2	2.99	30	83 - 129
cis-1,3-Dichloropropylene	10.0	9.76	97.6	3.33	30	80 - 131
Dibromochloromethane	10.0	10.7	107	3.82	30	80 - 130
Dibromomethane	10.0	10.8	108	2.45	30	72 - 134
Dichlorodifluoromethane	10.0	8.44	84.4	1.18	30	44 - 144
Ethyl Benzene	10.0	9.17	91.7	0.547	30	80 - 131
Hexachlorobutadiene	10.0	10.7	107	5.98	30	67 - 146
Isopropylbenzene	10.0	8.20	82.0	0.971	30	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	11.3	113	5.56	30	76 - 135
Methylene chloride	10.0	9.89	98.9	3.29	30	55 - 137
Naphthalene	10.0	15.0	150 *	9.72	30	70 - 147
n-Butylbenzene	10.0	8.53	85.3	0.235	30	79 - 132
n-Propylbenzene	10.0	8.15	81.5	0.612	30	78 - 133
o-Xylene	10.0	8.78	87.8	2.07	30	78 - 130
p- & m- Xylenes	20.0	18.1	90.6	2.34	30	77 - 133
p-Isopropyltoluene	10.0	8.48	84.8	0.236	30	81 - 136
sec-Butylbenzene	10.0	7.96	79.6	1.00	30	79 - 137
Styrene	10.0	9.83	98.3	2.68	30	67 - 132
tert-Butylbenzene	10.0	8.10	81.0	0.983	30	77 - 138
Tetrachloroethylene	10.0	9.46	94.6	4.98	30	82 - 131
Toluene	10.0	9.15	91.5	2.55	30	80 - 127
trans-1,2-Dichloroethylene	10.0	9.58	95.8	2.54	30	80 - 132
trans-1,3-Dichloropropylene	10.0	9.83	98.3	2.47	30	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590

Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe Industries

Matrix: Water

Batch: BI61212Laboratory ID: BI61212-BSD1

Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Trichloroethylene	10.0	8.96	89.6	0.223	30	82 - 128
Trichlorofluoromethane	10.0	11.2	112	3.33	30	67 - 139
Vinyl Chloride	10.0	7.01	70.1	2.16	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61289Laboratory ID: BI61289-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	8.68	86.8	82 - 126
1,1,1-Trichloroethane	10.0	9.73	97.3	78 - 136
1,1,2,2-Tetrachloroethane	10.0	8.88	88.8	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.80	98.0	54 - 165
1,1,2-Trichloroethane	10.0	9.11	91.1	82 - 123
1,1-Dichloroethane	10.0	9.86	98.6	82 - 129
1,1-Dichloroethylene	10.0	9.78	97.8	68 - 138
1,1-Dichloropropylene	10.0	9.63	96.3	83 - 133
1,2,3-Trichlorobenzene	10.0	12.0	120	76 - 136
1,2,3-Trichloropropane	10.0	9.20	92.0	77 - 128
1,2,4-Trichlorobenzene	10.0	10.5	105	76 - 137
1,2,4-Trimethylbenzene	10.0	8.90	89.0	82 - 132
1,2-Dibromo-3-chloropropane	10.0	8.52	85.2	45 - 147
1,2-Dibromoethane	10.0	9.38	93.8	83 - 124
1,2-Dichlorobenzene	10.0	8.54	85.4	79 - 123
1,2-Dichloroethane	10.0	9.39	93.9	73 - 132
1,2-Dichloropropane	10.0	8.94	89.4	78 - 126
1,3,5-Trimethylbenzene	10.0	8.95	89.5	80 - 131
1,3-Dichlorobenzene	10.0	8.24	82.4 *	86 - 122
1,3-Dichloropropane	10.0	9.28	92.8	81 - 125
1,4-Dichlorobenzene	10.0	8.36	83.6 *	85 - 124
2,2-Dichloropropane	10.0	9.23	92.3	56 - 150
2-Chlorotoluene	10.0	8.43	84.3	79 - 130
2-Hexanone	10.0	8.93	89.3	51 - 146
4-Chlorotoluene	10.0	8.38	83.8	79 - 128
Acetone	10.0	7.58	75.8	14 - 150
Benzene	10.0	9.36	93.6	85 - 126
Bromobenzene	10.0	8.83	88.3	78 - 129
Bromochloromethane	10.0	10.1	101	77 - 128
Bromodichloromethane	10.0	9.38	93.8	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61289Laboratory ID: BI61289-BS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Bromoform	10.0	9.86	98.6	78 - 133
Bromomethane	10.0	4.84	48.4	43 - 168
Carbon tetrachloride	10.0	10.3	103	77 - 141
Chlorobenzene	10.0	8.62	86.2 *	88 - 120
Chloroethane	10.0	9.08	90.8	65 - 136
Chloroform	10.0	9.61	96.1	82 - 128
Chloromethane	10.0	1.34	13.4 *	43 - 155
cis-1,2-Dichloroethylene	10.0	9.34	93.4	83 - 129
cis-1,3-Dichloropropylene	10.0	8.91	89.1	80 - 131
Dibromochloromethane	10.0	9.25	92.5	80 - 130
Dibromomethane	10.0	9.62	96.2	72 - 134
Dichlorodifluoromethane	10.0	7.49	74.9	44 - 144
Ethyl Benzene	10.0	9.05	90.5	80 - 131
Hexachlorobutadiene	10.0	10.8	108	67 - 146
Isopropylbenzene	10.0	8.80	88.0	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	9.59	95.9	76 - 135
Methylene chloride	10.0	9.57	95.7	55 - 137
Naphthalene	10.0	10.2	102	70 - 147
n-Butylbenzene	10.0	8.92	89.2	79 - 132
n-Propylbenzene	10.0	8.59	85.9	78 - 133
o-Xylene	10.0	8.52	85.2	78 - 130
p- & m- Xylenes	20.0	17.8	88.8	77 - 133
p-Isopropyltoluene	10.0	8.91	89.1	81 - 136
sec-Butylbenzene	10.0	8.37	83.7	79 - 137
Styrene	10.0	9.29	92.9	67 - 132
tert-Butylbenzene	10.0	8.75	87.5	77 - 138
Tetrachloroethylene	10.0	9.10	91.0	82 - 131
Toluene	10.0	8.96	89.6	80 - 127
trans-1,2-Dichloroethylene	10.0	9.61	96.1	80 - 132
trans-1,3-Dichloropropylene	10.0	8.68	86.8	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory:York Analytical Laboratories, Inc.SDG:16I0590

Client:Leggette Brashears & Graham Shelton OfficeProject:Rowe Industries

Matrix:Water

Batch:BI61289Laboratory ID:BI61289-BS1

Preparation:EPA 5030BInitial/Final:25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Trichloroethylene	10.0	8.94	89.4	82 - 128
Trichlorofluoromethane	10.0	10.8	108	67 - 139
Vinyl Chloride	10.0	5.19	51.9 *	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61289Laboratory ID: BI61289-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	10.0	8.86	88.6	2.05	30	82 - 126
1,1,1-Trichloroethane	10.0	9.48	94.8	2.60	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.18	91.8	3.32	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.33	93.3	4.91	30	54 - 165
1,1,2-Trichloroethane	10.0	9.42	94.2	3.35	30	82 - 123
1,1-Dichloroethane	10.0	9.74	97.4	1.22	30	82 - 129
1,1-Dichloroethylene	10.0	9.54	95.4	2.48	30	68 - 138
1,1-Dichloropropylene	10.0	9.35	93.5	2.95	30	83 - 133
1,2,3-Trichlorobenzene	10.0	14.1	141 *	16.1	30	76 - 136
1,2,3-Trichloropropane	10.0	9.51	95.1	3.31	30	77 - 128
1,2,4-Trichlorobenzene	10.0	11.7	117	11.2	30	76 - 137
1,2,4-Trimethylbenzene	10.0	9.09	90.9	2.11	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	8.82	88.2	3.46	30	45 - 147
1,2-Dibromoethane	10.0	9.60	96.0	2.32	30	83 - 124
1,2-Dichlorobenzene	10.0	8.71	87.1	1.97	30	79 - 123
1,2-Dichloroethane	10.0	9.65	96.5	2.73	30	73 - 132
1,2-Dichloropropane	10.0	9.01	90.1	0.780	30	78 - 126
1,3,5-Trimethylbenzene	10.0	9.07	90.7	1.33	30	80 - 131
1,3-Dichlorobenzene	10.0	8.35	83.5 *	1.33	30	86 - 122
1,3-Dichloropropane	10.0	9.53	95.3	2.66	30	81 - 125
1,4-Dichlorobenzene	10.0	8.59	85.9	2.71	30	85 - 124
2,2-Dichloropropane	10.0	8.97	89.7	2.86	30	56 - 150
2-Chlorotoluene	10.0	8.60	86.0	2.00	30	79 - 130
2-Hexanone	10.0	9.03	90.3	1.11	30	51 - 146
4-Chlorotoluene	10.0	8.59	85.9	2.47	30	79 - 128
Acetone	10.0	7.49	74.9	1.19	30	14 - 150
Benzene	10.0	9.44	94.4	0.851	30	85 - 126
Bromobenzene	10.0	9.10	91.0	3.01	30	78 - 129
Bromochloromethane	10.0	10.1	101	0.495	30	77 - 128
Bromodichloromethane	10.0	9.57	95.7	2.01	30	79 - 128

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61289Laboratory ID: BI61289-BSD1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Bromoform	10.0	10.0	100	1.41	30	78 - 133
Bromomethane	10.0	5.92	59.2	20.1	30	43 - 168
Carbon tetrachloride	10.0	10.2	102	1.47	30	77 - 141
Chlorobenzene	10.0	8.74	87.4 *	1.38	30	88 - 120
Chloroethane	10.0	8.87	88.7	2.34	30	65 - 136
Chloroform	10.0	9.71	97.1	1.04	30	82 - 128
Chloromethane	10.0	1.72	17.2 *	24.8	30	43 - 155
cis-1,2-Dichloroethylene	10.0	9.33	93.3	0.107	30	83 - 129
cis-1,3-Dichloropropylene	10.0	9.19	91.9	3.09	30	80 - 131
Dibromochloromethane	10.0	9.39	93.9	1.50	30	80 - 130
Dibromomethane	10.0	9.84	98.4	2.26	30	72 - 134
Dichlorodifluoromethane	10.0	7.05	70.5	6.05	30	44 - 144
Ethyl Benzene	10.0	9.12	91.2	0.770	30	80 - 131
Hexachlorobutadiene	10.0	11.8	118	9.56	30	67 - 146
Isopropylbenzene	10.0	8.86	88.6	0.680	30	76 - 140
Methyl tert-butyl ether (MTBE)	10.0	9.66	96.6	0.727	30	76 - 135
Methylene chloride	10.0	9.43	94.3	1.47	30	55 - 137
Naphthalene	10.0	11.8	118	14.5	30	70 - 147
n-Butylbenzene	10.0	9.23	92.3	3.42	30	79 - 132
n-Propylbenzene	10.0	8.70	87.0	1.27	30	78 - 133
o-Xylene	10.0	8.57	85.7	0.585	30	78 - 130
p- & m- Xylenes	20.0	18.0	89.8	1.12	30	77 - 133
p-Isopropyltoluene	10.0	9.07	90.7	1.78	30	81 - 136
sec-Butylbenzene	10.0	8.53	85.3	1.89	30	79 - 137
Styrene	10.0	9.45	94.5	1.71	30	67 - 132
tert-Butylbenzene	10.0	8.71	87.1	0.458	30	77 - 138
Tetrachloroethylene	10.0	8.97	89.7	1.44	30	82 - 131
Toluene	10.0	9.04	90.4	0.889	30	80 - 127
trans-1,2-Dichloroethylene	10.0	9.54	95.4	0.731	30	80 - 132
trans-1,3-Dichloropropylene	10.0	8.96	89.6	3.17	30	78 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY
EPA 8260C

Laboratory:York Analytical Laboratories, Inc.

SDG:16I0590

Client:Leggette Brashears & Graham Shelton Office

Project:Rowe Industries

Matrix:Water

Batch:BI61289

Laboratory ID:BI61289-BSD1

Preparation:EPA 5030B

Initial/Final:25 mL / 25 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Trichloroethylene	10.0	9.00	90.0	0.669	30	82 - 128
Trichlorofluoromethane	10.0	10.3	103	4.84	30	67 - 139
Vinyl Chloride	10.0	5.03	50.3 *	3.13	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Data Path : C:\msdchem\1\data\V7092216\
 Data File : V710650.D
 Acq On : 22 Sep 2016 9:21 pm
 InstName : MSVOA7
 Operator : SS
 Sample : BI61100-BS1
 Misc : QBV7092216A Y16I081
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 23 10:34:13 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.987	70	66080	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.019	117	290860	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	127036	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	71661	10.17	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	101.70%	
51) Toluene-d8 (SURR)	7.517	98	356868	9.87	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	98.70%	
70) p-Bromofluorobenzene (...)	10.285	95	139656	9.79	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	97.90%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.627	85	59462	9.32	ppb	100
3) Chloromethane	1.850	50	27419	4.49	ppb	96
4) Vinyl Chloride	1.939	62	73867	9.51	ppb	100
5) Bromomethane	2.300	94	4502	6.01	ppb	96
6) Chloroethane	2.406	64	43934	9.99	ppb	100
7) Trichlorofluoromethane	2.665	101	96803	11.03	ppb	100
8) Ethanol	2.904	45	7836	319.35	ppb	100
9) Freon-113	3.168	101	73130	10.92	ppb	99
10) 1,1-Dichloroethylene	3.193	61	102207	10.53	ppb	98
11) Acrolein	3.129	56	7741	8.99	ppb	95
12) Acetone	3.280	43	16510	9.78	ppb	99
13) Iodomethane	3.363	142	14778	7.67	ppb	97
14) Methyl Acetate	3.588	43	35851	10.19	ppb	98
15) Carbon disulfide	3.421	76	222121	10.42	ppb	100
16) tert-Butyl Alcohol (TBA)	3.942	59	3837	7.60	ppb	94
17) Methylene Chloride	3.700	49	119725	11.98	ppb	92
18) Acrylonitrile	3.970	53	15999	9.33	ppb	97
19) trans-1,2-Dichloroethy...	3.945	61	110050	10.52	ppb	99
20) tert-Butyl Methyl Ethe...	3.928	73	207708	10.48	ppb	99
21) 1,1-Dichloroethane	4.362	63	147219	10.93	ppb	# 97
22) Vinyl Acetate	4.387	43	212199	10.54	ppb	# 100
23) Diisopropyl ether (DIPE)	4.367	45	236803	10.07	ppb	98
24) Ethyl-tert-Butyl ether...	4.712	59	228212	9.56	ppb	# 99
25) cis-1,2-Dichloroethylene	4.916	61	127318	10.60	ppb	98
26) 2-Butanone	4.935	72	7045	8.75	ppb	95
27) 2,2-Dichloropropane	4.899	77	110236	11.14	ppb	# 100
28) Tetrahydrofuran	5.194	71	6428	10.68	ppb	# 60
29) Bromochloromethane	5.152	49	53687	10.45	ppb	97
30) Chloroform	5.219	83	141431	10.97	ppb	# 68
31) 1,1,1-Trichloroethane	5.369	97	116492	10.96	ppb	# 87
32) Cyclohexane	5.397	56	136303	10.37	ppb	95
33) 1,1-Dichloropropylene	5.525	75	111072	10.43	ppb	90
35) Carbon Tetrachloride	5.519	117	99654	11.29	ppb	99
36) tert-Amyl alcohol (TAA)	5.731	59	39336	77.84	ppb	# 71
37) 1,2-Dichloroethane	5.770	62	87217	10.88	ppb	99
38) Benzene	5.728	78	350609	10.83	ppb	96
39) tert-Amyl methyl ether...	5.792	73	219374	9.77	ppb	# 90
41) Trichloroethylene	6.334	95	87332	10.28	ppb	96
42) Methyl Cyclohexane	6.485	83	143375	10.14	ppb	93
43) Methyl Methacrylate	6.638	69	47275	10.23	ppb	# 99
44) Dibromomethane	6.705	93	44841	11.06	ppb	99
45) Bromodichloromethane	6.844	83	105603	10.48	ppb	99
46) 1,2-Dichloropropane	6.571	63	88793	10.05	ppb	98
47) 1,4-Dioxane	6.710	88	4747	111.70	ppb	# 83
48) 2-Chloroethyl vinyl ether	7.272	63	663	0.22	ppb	# 100
49) cis-1,3-Dichloropropene	7.269	75	135396	10.04	ppb	91
50) 4-Methyl-2-Pentanone	7.400	43	90126	9.63	ppb	92
52) Toluene	7.584	91	371194	10.29	ppb	100

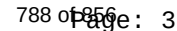
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 Acq On : 22 Sep 2016 9:21 pm
 InstName : MSV0A7
 Operator : SS
 Sample : BI61100-BS1
 Misc : QBV7092216A Y16I081
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 23 10:34:13 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) trans-1,3-Dichloropropene	7.826	75	110787	9.84	ppb	# 100
54) 1,1,2-Trichloroethane	8.026	97	66233	10.45	ppb	97
55) 1,3-Dichloropropane	8.199	76	115557	10.18	ppb	# 95
56) Tetrachloroethylene	8.137	166	108156	9.16	ppb	# 100
57) 2-Hexanone	8.246	43	34730	9.76	ppb	# 9
58) Dibromochloromethane	8.441	129	75510	10.35	ppb	97
59) 1,2-Dibromoethane	8.566	107	64562	10.38	ppb	99
60) Chlorobenzene	9.050	112	235167	9.86	ppb	97
61) 1,1,1,2-tetrachloroethane	9.136	131	82219	10.10	ppb	99
62) Ethyl Benzene	9.136	91	398186	10.33	ppb	100
63) p- & m-Xylenes	9.259	91	598135	20.61	ppb	99
64) o-Xylene	9.695	91	295024	9.81	ppb	99
65) Styrene	9.715	104	265767	11.06	ppb	# 100
66) Bromoform	9.965	173	42789	10.35	ppb	# 100
68) p-Ethyltoluene	10.722	105	316830	10.43	ppb	# 100
69) Isopropylbenzene	10.079	105	365854	9.78	ppb	98
71) 1,1,2,2-Tetrachloroethane	10.461	83	71969	10.18	ppb	# 100
72) Bromobenzene	10.458	77	145310	10.06	ppb	97
73) trans-1,4-Dichloro-2-b...	10.513	75	75852	10.03	ppb	84
74) 1,2,3-Trichloropropane	10.516	110	20196	10.32	ppb	80
75) n-Propylbenzene	10.533	91	423197	9.86	ppb	98
76) 2-Chlorotoluene	10.655	91	281042	9.72	ppb	100
77) 4-Chlorotoluene	10.775	91	261218	9.76	ppb	100
78) 1,3,5-Trimethylbenzene	10.722	105	316830	10.43	ppb	99
79) tert-Butylbenzene	11.087	119	249122	9.79	ppb	96
80) 1,2,4-Trimethylbenzene	11.148	105	325212	10.50	ppb	99
81) sec-Butylbenzene	11.331	105	346470	9.57	ppb	97
82) 1,3-Dichlorobenzene	11.498	146	171848	9.95	ppb	99
83) p-Isopropyltoluene	11.487	119	329756	10.55	ppb	97
84) 1,4-Dichlorobenzene	11.598	146	175544	9.92	ppb	100
85) 1,2,3-Trimethylbenzene	11.487	105	10695	0.83	ppb	84
86) p-Diethylbenzene	11.924	105	179749	10.63	ppb	97
87) 1,2-Dichlorobenzene	12.027	146	153040	9.68	ppb	# 100
88) n-Butylbenzene	11.955	91	329664	10.30	ppb	96
89) 1,2-Dibromo-3-chloropr...	12.937	75	9063	9.65	ppb	95
90) 1,2,4,5-Tetramethylben...	12.817	119	287921	10.02	ppb	99
91) 1,2,4-Trichlorobenzene	13.849	180	94882	10.30	ppb	99
92) Hexachloro-1,3-Butadiene	14.002	225	41125	10.09	ppb	99
93) Naphthalene	14.139	128	166623	9.90	ppb	100
94) 1,2,3-Trichlorobenzene	14.417	180	70871	9.95	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Sep 23 10:34:13 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\V7092216\
 Data File : V710651.D
 Acq On : 22 Sep 2016 9:47 pm
 InstName : MSVOA7
 Operator : SS
 Sample : BI61100-BSD1
 Misc : QBV7092216A Y16I081
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 26 16:12:42 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	67399	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	297158	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	131518	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	73190	10.18	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	101.80%	
51) Toluene-d8 (SURR)	7.517	98	362510	9.81	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	98.10%	
70) p-Bromofluorobenzene (...)	10.285	95	144762	9.80	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	98.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.627	85	58178	8.94	ppb	100
3) Chloromethane	1.858	50	38443m	6.17	ppb	
4) Vinyl Chloride	1.941	62	71253	9.00	ppb	# 86
5) Bromomethane	2.295	94	3812	5.58	ppb	98
6) Chloroethane	2.409	64	41824	9.32	ppb	99
7) Trichlorofluoromethane	2.662	101	95459	10.66	ppb	100
8) Ethanol	2.912	45	9712	388.06	ppb	100
9) Freon-113	3.171	101	70252	10.29	ppb	# 79
10) 1,1-Dichloroethylene	3.196	61	98782	9.98	ppb	98
11) Acrolein	3.132	56	7222	8.22	ppb	99
12) Acetone	3.288	43	19868	11.54	ppb	98
13) Iodomethane	3.366	142	11938	6.90	ppb	100
14) Methyl Acetate	3.594	43	35678	9.94	ppb	99
15) Carbon disulfide	3.424	76	223914	10.30	ppb	100
16) tert-Butyl Alcohol (TBA)	3.947	59	3813	7.41	ppb	95
17) Methylene Chloride	3.700	49	137899	13.53	ppb	93
18) Acrylonitrile	3.964	53	16885	9.66	ppb	# 86
19) trans-1,2-Dichloroethy...	3.945	61	111125	10.41	ppb	99
20) tert-Butyl Methyl Ethe...	3.928	73	209980	10.38	ppb	# 92
21) 1,1-Dichloroethane	4.365	63	144419	10.52	ppb	# 87
22) Vinyl Acetate	4.392	43	208925	10.17	ppb	# 100
23) Diisopropyl ether (DIPE)	4.370	45	238046	9.92	ppb	# 96
24) Ethyl-tert-Butyl ether...	4.715	59	230654	9.47	ppb	# 99
25) cis-1,2-Dichloroethylene	4.915	61	125545	10.25	ppb	98
26) 2-Butanone	4.938	72	8415	10.25	ppb	99
27) 2,2-Dichloropropane	4.899	77	109976	10.89	ppb	# 100
28) Tetrahydrofuran	5.188	71	6867	11.19	ppb	# 1
29) Bromochloromethane	5.155	49	53358	10.19	ppb	97
30) Chloroform	5.219	83	141857	10.79	ppb	# 68
31) 1,1,1-Trichloroethane	5.369	97	115895	10.69	ppb	# 87
32) Cyclohexane	5.400	56	135791	10.13	ppb	94
33) 1,1-Dichloropropylene	5.522	75	112247	10.34	ppb	89
35) Carbon Tetrachloride	5.522	117	99688	11.07	ppb	99
36) tert-Amyl alcohol (TAA)	5.733	59	42036	81.56	ppb	97
37) 1,2-Dichloroethane	5.770	62	87420	10.69	ppb	100
38) Benzene	5.728	78	349325	10.58	ppb	96
39) tert-Amyl methyl ether...	5.789	73	223403	9.75	ppb	# 100
41) Trichloroethylene	6.334	95	87090	10.03	ppb	96
42) Methyl Cyclohexane	6.490	83	144584	10.01	ppb	92
43) Methyl Methacrylate	6.640	69	47262	10.01	ppb	# 82
44) Dibromomethane	6.707	93	45214	10.92	ppb	99
45) Bromodichloromethane	6.844	83	104664	10.17	ppb	98
46) 1,2-Dichloropropane	6.571	63	88166	9.77	ppb	98
47) 1,4-Dioxane	6.707	88	10003	230.38	ppb	# 73
48) 2-Chloroethyl vinyl ether	7.470	63	1171	0.39	ppb	# 100
49) cis-1,3-Dichloropropene	7.269	75	136109	9.88	ppb	91
50) 4-Methyl-2-Pentanone	7.403	43	92141	9.64	ppb	92
52) Toluene	7.584	91	368432	10.00	ppb	100

Data Path : C:\msdchem\1\data\V7092216\
 Data File : V710651.D
 Acq On : 22 Sep 2016 9:47 pm
 InstName : MSVOA7
 Operator : SS
 Sample : BI61100-BSD1
 Misc : QBV7092216A Y16I081
 ALS Vial : 29 Sample Multiplier: 1

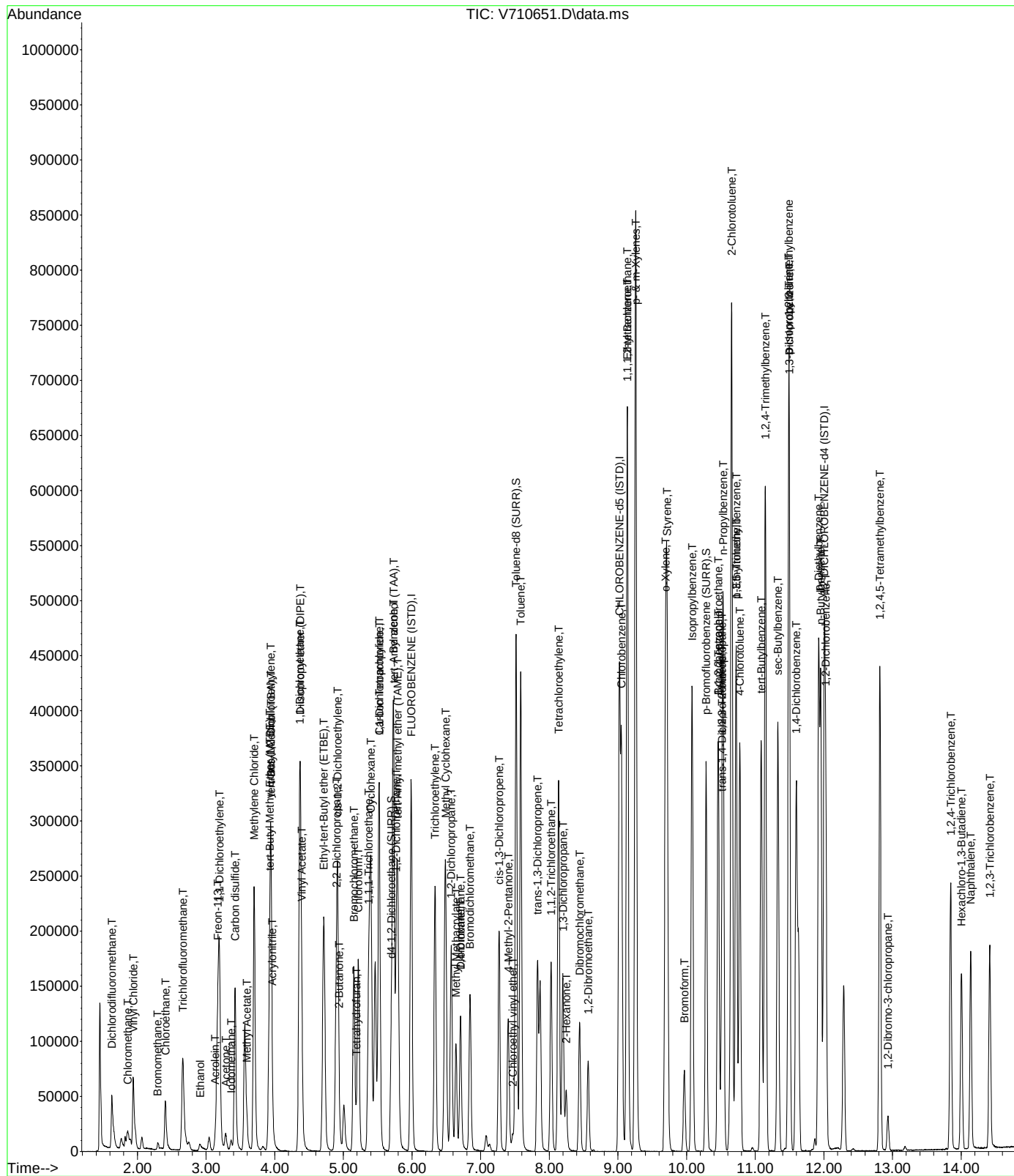
Quant Time: Sep 26 16:12:42 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) trans-1,3-Dichloropropene	7.829	75	112387	9.77	ppb	# 100
54) 1,1,2-Trichloroethane	8.026	97	66361	10.25	ppb	97
55) 1,3-Dichloropropane	8.199	76	117052	10.10	ppb	# 70
56) Tetrachloroethylene	8.135	166	124647	10.33	ppb	# 100
57) 2-Hexanone	8.249	43	38180	10.50	ppb	74
58) Dibromochloromethane	8.441	129	75801	10.17	ppb	98
59) 1,2-Dibromoethane	8.566	107	65018	10.23	ppb	99
60) Chlorobenzene	9.050	112	233701	9.59	ppb	98
61) 1,1,1,2-tetrachloroethane	9.139	131	83346	10.02	ppb	100
62) Ethyl Benzene	9.136	91	397429	10.09	ppb	100
63) p- & m-Xylenes	9.259	91	596887	20.13	ppb	99
64) o-Xylene	9.693	91	295362	9.61	ppb	99
65) Styrene	9.715	104	264322	10.77	ppb	# 100
66) Bromoform	9.968	173	42987	10.17	ppb	# 76
68) p-Ethyltoluene	10.722	105	319032	10.15	ppb	# 100
69) Isopropylbenzene	10.082	105	369090	9.53	ppb	97
71) 1,1,2,2-Tetrachloroethane	10.461	83	72541	9.91	ppb	# 100
72) Bromobenzene	10.461	77	143928	9.63	ppb	98
73) trans-1,4-Dichloro-2-b...	10.513	75	76285	9.74	ppb	# 70
74) 1,2,3-Trichloropropane	10.516	110	20394	10.07	ppb	81
75) n-Propylbenzene	10.533	91	422397	9.51	ppb	98
76) 2-Chlorotoluene	10.655	91	281488	9.40	ppb	100
77) 4-Chlorotoluene	10.775	91	260565	9.40	ppb	100
78) 1,3,5-Trimethylbenzene	10.722	105	319032	10.15	ppb	99
79) tert-Butylbenzene	11.086	119	248454	9.43	ppb	96
80) 1,2,4-Trimethylbenzene	11.148	105	324514	10.12	ppb	98
81) sec-Butylbenzene	11.331	105	348765	9.31	ppb	97
82) 1,3-Dichlorobenzene	11.498	146	170401	9.53	ppb	99
83) p-Isopropyltoluene	11.487	119	329309	10.18	ppb	98
84) 1,4-Dichlorobenzene	11.598	146	176668	9.65	ppb	100
85) 1,2,3-Trimethylbenzene	11.490	105	10715	0.80	ppb	85
86) p-Diethylbenzene	11.924	105	179955	10.28	ppb	97
87) 1,2-Dichlorobenzene	12.027	146	152565	9.32	ppb	# 68
88) n-Butylbenzene	11.955	91	329646	9.95	ppb	97
89) 1,2-Dibromo-3-chloropr...	12.934	75	9507	9.77	ppb	98
90) 1,2,4,5-Tetramethylben...	12.817	119	287295	9.66	ppb	99
91) 1,2,4-Trichlorobenzene	13.849	180	95146	9.97	ppb	99
92) Hexachloro-1,3-Butadiene	14.005	225	41882	9.92	ppb	99
93) Naphthalene	14.139	128	171426	9.83	ppb	99
94) 1,2,3-Trichlorobenzene	14.417	180	72686	9.86	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\V7092216\
Data File : V710651.D
Acq On : 22 Sep 2016 9:47 pm
InstName : MSV0A7
Operator : SS
Sample : BI61100-BSD1
Misc : QBV7092216A Y16I081
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 26 16:12:42 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
Qlast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration



Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710650.D
 Acq On : 23 Sep 2016 8:25 pm
 InstName : MSVOA7
 Operator : SS
 Sample : BI61178-BS1
 Misc : QBV7092316B Y16I081
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 26 13:03:53 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	63058	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	285277	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	125049	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	68326	10.16	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.60%	
51) Toluene-d8 (SURR)	7.517	98	345275	9.74	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.40%	
70) p-Bromofluorobenzene (...)	10.285	95	139153	9.91	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.10%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.627	85	63546	10.44	ppb	100
3) Chloromethane	1.852	50	32658m	5.60	ppb	
4) Vinyl Chloride	1.938	62	69582	9.39	ppb	100
5) Bromomethane	2.303	94	3956	5.81	ppb	98
6) Chloroethane	2.409	64	42063	10.02	ppb	100
7) Trichlorofluoromethane	2.665	101	92426	11.04	ppb	99
8) Ethanol	2.912	45	14243m	608.27	ppb	
9) Freon-113	3.174	101	70226	10.99	ppb	# 79
10) 1,1-Dichloroethylene	3.196	61	100509	10.85	ppb	97
11) Acrolein	3.132	56	6190	7.53	ppb	98
12) Acetone	3.285	43	17594	10.92	ppb	98
13) Iodomethane	3.366	142	13275	7.45	ppb	98
14) Methyl Acetate	3.594	43	29776	8.87	ppb	98
15) Carbon disulfide	3.424	76	228798	11.25	ppb	100
16) tert-Butyl Alcohol (TBA)	3.828	59	6294m	13.07	ppb	
17) Methylene Chloride	3.702	49	86364	9.06	ppb	90
18) Acrylonitrile	3.969	53	12399	7.58	ppb	# 67
19) trans-1,2-Dichloroethy...	3.947	61	101450	10.16	ppb	98
20) tert-Butyl Methyl Ethe...	3.928	73	189393	10.01	ppb	99
21) 1,1-Dichloroethane	4.362	63	135394	10.54	ppb	100
22) Vinyl Acetate	4.392	43	188148	9.79	ppb	# 100
23) Diisopropyl ether (DIPE)	4.370	45	220651	9.83	ppb	98
24) Ethyl-tert-Butyl ether...	4.715	59	209210	9.18	ppb	# 98
25) cis-1,2-Dichloroethylene	4.915	61	115826	10.11	ppb	97
26) 2-Butanone	4.940	72	6955	9.06	ppb	97
27) 2,2-Dichloropropane	4.901	77	102627	10.87	ppb	# 100
28) Tetrahydrofuran	5.196	71	5743	10.00	ppb	88
29) Bromochloromethane	5.155	49	48607	9.92	ppb	96
30) Chloroform	5.219	83	129962	10.57	ppb	# 99
31) 1,1,1-Trichloroethane	5.372	97	107885	10.63	ppb	# 87
32) Cyclohexane	5.399	56	124029	9.89	ppb	94
33) 1,1-Dichloropropylene	5.522	75	104259	10.26	ppb	89
35) Carbon Tetrachloride	5.519	117	92231	10.95	ppb	99
36) tert-Amyl alcohol (TAA)	5.728	59	34964	72.51	ppb	# 85
37) 1,2-Dichloroethane	5.772	62	81114	10.60	ppb	100
38) Benzene	5.728	78	321525	10.41	ppb	96
39) tert-Amyl methyl ether...	5.792	73	196024	9.15	ppb	# 90
41) Trichloroethylene	6.337	95	82097	9.85	ppb	95
42) Methyl Cyclohexane	6.487	83	134101	9.67	ppb	92
43) Methyl Methacrylate	6.640	69	43648	9.63	ppb	# 99
44) Dibromomethane	6.704	93	41625	10.47	ppb	97
45) Bromodichloromethane	6.849	83	97285	9.84	ppb	99
46) 1,2-Dichloropropane	6.571	63	80717	9.32	ppb	99
47) 1,4-Dioxane	6.707	88	11529m	276.59	ppb	
49) cis-1,3-Dichloropropene	7.269	75	126243	9.55	ppb	91
50) 4-Methyl-2-Pentanone	7.403	43	82598	9.00	ppb	92
52) Toluene	7.584	91	344813	9.75	ppb	100
53) trans-1,3-Dichloropropene	7.828	75	103388	9.36	ppb	# 100

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710650.D
 Acq On : 23 Sep 2016 8:25 pm
 InstName : MSVOA7
 Operator : SS
 Sample : BI61178-BS1
 Misc : QBV7092316B Y16I081
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 26 13:03:53 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) 1,1,2-Trichloroethane	8.029	97	60810	9.78	ppb	96
55) 1,3-Dichloropropane	8.196	76	106805	9.60	ppb	# 94
56) Tetrachloroethylene	8.137	166	125585	10.84	ppb	# 77
57) 2-Hexanone	8.246	43	33821	9.69	ppb	# 76
58) Dibromochloromethane	8.440	129	69844	9.76	ppb	99
59) 1,2-Dibromoethane	8.563	107	59781	9.80	ppb	98
60) Chlorobenzene	9.053	112	220033	9.40	ppb	98
61) 1,1,1,2-tetrachloroethane	9.139	131	77777	9.74	ppb	99
62) Ethyl Benzene	9.136	91	372856	9.86	ppb	99
63) p- & m-Xylenes	9.258	91	564400	19.83	ppb	98
64) o-Xylene	9.692	91	279380	9.47	ppb	99
65) Styrene	9.715	104	250635	10.63	ppb	# 100
66) Bromoform	9.968	173	40136	9.89	ppb	# 76
68) p-Ethyltoluene	10.722	105	300887	10.07	ppb	# 100
69) Isopropylbenzene	10.079	105	348115	9.45	ppb	98
71) 1,1,2,2-Tetrachloroethane	10.463	83	66671	9.58	ppb	# 100
72) Bromobenzene	10.460	77	134205	9.44	ppb	98
73) trans-1,4-Dichloro-2-b...	10.516	75	68158	9.16	ppb	84
74) 1,2,3-Trichloropropane	10.513	110	18646	9.68	ppb	78
75) n-Propylbenzene	10.533	91	396459	9.38	ppb	99
76) 2-Chlorotoluene	10.658	91	266030	9.35	ppb	100
77) 4-Chlorotoluene	10.775	91	245659	9.33	ppb	100
78) 1,3,5-Trimethylbenzene	10.722	105	300887	10.07	ppb	99
79) tert-Butylbenzene	11.089	119	236451	9.44	ppb	97
80) 1,2,4-Trimethylbenzene	11.148	105	310357	10.18	ppb	98
81) sec-Butylbenzene	11.331	105	330672	9.28	ppb	97
82) 1,3-Dichlorobenzene	11.498	146	164153	9.66	ppb	98
83) p-Isopropyltoluene	11.490	119	314794	10.23	ppb	97
84) 1,4-Dichlorobenzene	11.598	146	167446	9.62	ppb	99
85) 1,2,3-Trimethylbenzene	11.629	105	125714m	9.86	ppb	
86) p-Diethylbenzene	11.924	105	169023	10.15	ppb	98
87) 1,2-Dichlorobenzene	12.027	146	145482	9.35	ppb	# 100
88) n-Butylbenzene	11.954	91	311203	9.88	ppb	97
89) 1,2-Dibromo-3-chloropr...	12.934	75	8698	9.40	ppb	# 55
90) 1,2,4,5-Tetramethylben...	12.820	119	271892	9.62	ppb	99
91) 1,2,4-Trichlorobenzene	13.849	180	89135	9.83	ppb	98
92) Hexachloro-1,3-Butadiene	14.002	225	38514	9.60	ppb	98
93) Naphthalene	14.141	128	156539	9.44	ppb	99
94) 1,2,3-Trichlorobenzene	14.419	180	66786	9.53	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710651.D
 Acq On : 23 Sep 2016 8:51 pm
 InstName : MSVOA7
 Operator : SS
 Sample : BI61178-BSD1
 Misc : QBV7092316B Y16I081
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 26 13:05:02 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.990	70	64009	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	284642	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	124728	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	68362	10.01	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.10%		
51) Toluene-d8 (SURR)	7.517	98	348201	9.84	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.40%		
70) p-Bromofluorobenzene (...)	10.285	95	138359	9.88	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.80%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.630	85	64118	10.37	ppb	100
3) Chloromethane	1.852	50	35729m	6.04	ppb	
4) Vinyl Chloride	1.939	62	72166	9.60	ppb	100
5) Bromomethane	2.300	94	4588	6.14	ppb	98
6) Chloroethane	2.409	64	42061	9.87	ppb	99
7) Trichlorofluoromethane	2.662	101	94666	11.14	ppb	100
8) Ethanol	2.915	45	14017m	589.73	ppb	
9) Freon-113	3.171	101	73232	11.29	ppb	# 79
10) 1,1-Dichloroethylene	3.193	61	103387	11.00	ppb	97
11) Acrolein	3.129	56	6485	7.77	ppb	98
12) Acetone	3.285	43	14047	8.59	ppb	99
13) Iodomethane	3.366	142	13895	7.56	ppb	99
14) Methyl Acetate	3.594	43	29742	8.72	ppb	99
15) Carbon disulfide	3.424	76	234657	11.36	ppb	100
16) tert-Butyl Alcohol (TBA)	3.828	59	5684m	11.63	ppb	
17) Methylene Chloride	3.703	49	89310	9.23	ppb	91
18) Acrylonitrile	3.970	53	11925	7.18	ppb	88
19) trans-1,2-Dichloroethy...	3.947	61	105156	10.37	ppb	99
20) tert-Butyl Methyl Ethe...	3.928	73	194915	10.15	ppb	99
21) 1,1-Dichloroethane	4.365	63	137997	10.58	ppb	100
22) Vinyl Acetate	4.387	43	162217m	8.31	ppb	
23) Diisopropyl ether (DIPE)	4.370	45	227181	9.97	ppb	98
24) Ethyl-tert-Butyl ether...	4.715	59	213752	9.24	ppb	# 98
25) cis-1,2-Dichloroethylene	4.918	61	118717	10.21	ppb	97
26) 2-Butanone	4.938	72	6542	8.39	ppb	98
27) 2,2-Dichloropropane	4.899	77	104114	10.86	ppb	# 100
28) Tetrahydrofuran	5.188	71	2302	3.95	ppb	# 1
29) Bromochloromethane	5.155	49	49395	9.93	ppb	96
30) Chloroform	5.219	83	135199	10.83	ppb	# 100
31) 1,1,1-Trichloroethane	5.372	97	112879	10.96	ppb	# 87
32) Cyclohexane	5.400	56	128901	10.13	ppb	93
33) 1,1-Dichloropropylene	5.525	75	106652	10.34	ppb	89
35) Carbon Tetrachloride	5.519	117	95812	11.20	ppb	100
36) tert-Amyl alcohol (TAA)	5.731	59	33840	69.13	ppb	95
37) 1,2-Dichloroethane	5.773	62	82154	10.58	ppb	100
38) Benzene	5.731	78	333603	10.64	ppb	96
39) tert-Amyl methyl ether...	5.792	73	197536	9.08	ppb	# 90
41) Trichloroethylene	6.335	95	84558	10.17	ppb	95
42) Methyl Cyclohexane	6.485	83	136652	9.87	ppb	92
43) Methyl Methacrylate	6.643	69	43345	9.59	ppb	# 82
44) Dibromomethane	6.705	93	41908	10.57	ppb	97
45) Bromodichloromethane	6.844	83	98795	10.02	ppb	98
46) 1,2-Dichloropropane	6.571	63	82204	9.51	ppb	# 84
47) 1,4-Dioxane	6.721	88	11707m	281.49	ppb	
49) cis-1,3-Dichloropropene	7.269	75	128328	9.73	ppb	91
50) 4-Methyl-2-Pentanone	7.403	43	82316	8.99	ppb	92
52) Toluene	7.584	91	351895	9.97	ppb	100
53) trans-1,3-Dichloropropene	7.829	75	103540	9.40	ppb	# 100

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710651.D
 Acq On : 23 Sep 2016 8:51 pm
 InstName : MSVOA7
 Operator : SS
 Sample : BI61178-BSD1
 Misc : QBV7092316B Y16I081
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 26 13:05:02 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) 1,1,2-Trichloroethane	8.029	97	61552	9.92	ppb	97
55) 1,3-Dichloropropane	8.196	76	107064	9.64	ppb #	70
56) Tetrachloroethylene	8.135	166	105662	9.14	ppb #	100
57) 2-Hexanone	8.246	43	31177	8.95	ppb	85
58) Dibromochloromethane	8.441	129	70604	9.89	ppb	98
59) 1,2-Dibromoethane	8.566	107	61345	10.07	ppb	100
60) Chlorobenzene	9.050	112	224453	9.61	ppb	97
61) 1,1,1,2-tetrachloroethane	9.136	131	79549	9.98	ppb	99
62) Ethyl Benzene	9.136	91	380670	10.09	ppb	99
63) p- & m-Xylenes	9.259	91	573556	20.19	ppb	99
64) o-Xylene	9.693	91	284074	9.65	ppb	99
65) Styrene	9.718	104	250590	10.66	ppb #	100
66) Bromoform	9.968	173	39903	9.86	ppb #	99
68) p-Ethyltoluene	10.722	105	307278	10.31	ppb #	100
69) Isopropylbenzene	10.079	105	356853	9.71	ppb	97
71) 1,1,2,2-Tetrachloroethane	10.466	83	65607	9.45	ppb #	68
72) Bromobenzene	10.458	77	137878	9.72	ppb	98
73) trans-1,4-Dichloro-2-b...	10.516	75	68975	9.29	ppb	83
74) 1,2,3-Trichloropropane	10.513	110	18606	9.68	ppb	81
75) n-Propyltoluene	10.533	91	404450	9.60	ppb	98
76) 2-Chlorotoluene	10.655	91	267717	9.43	ppb	100
77) 4-Chlorotoluene	10.775	91	248773	9.47	ppb	100
78) 1,3,5-Trimethylbenzene	10.722	105	307278	10.31	ppb	99
79) tert-Butylbenzene	11.089	119	243595	9.75	ppb	95
80) 1,2,4-Trimethylbenzene	11.145	105	311184	10.24	ppb	98
81) sec-Butylbenzene	11.329	105	333128	9.38	ppb	97
82) 1,3-Dichlorobenzene	11.498	146	164625	9.71	ppb	99
83) p-Isopropyltoluene	11.487	119	318784	10.39	ppb	98
84) 1,4-Dichlorobenzene	11.599	146	168170	9.68	ppb	100
85) 1,2,3-Trimethylbenzene	11.490	105	10168	0.80	ppb	82
86) p-Diethylbenzene	11.924	105	171258	10.32	ppb	98
87) 1,2-Dichlorobenzene	12.027	146	145783	9.39	ppb #	68
88) n-Butylbenzene	11.955	91	313988	10.00	ppb	98
89) 1,2-Dibromo-3-chloropr...	12.931	75	8619	9.34	ppb	97
90) 1,2,4,5-Tetramethylben...	12.817	119	271490	9.63	ppb	99
91) 1,2,4-Trichlorobenzene	13.849	180	88798	9.81	ppb	98
92) Hexachloro-1,3-Butadiene	14.002	225	39173	9.79	ppb	99
93) Naphthalene	14.139	128	156574	9.47	ppb	99
94) 1,2,3-Trichlorobenzene	14.420	180	67522	9.66	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710672.D
 Acq On : 24 Sep 2016 5:56 am
 InstName : MSVOA7
 Operator : SS
 Sample : BI61179-BS1
 Misc : QBV7092316B Y16I081
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 26 10:45:45 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.987	70	60818	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.019	117	277194	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	121542	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	66390	10.24	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.40%		
51) Toluene-d8 (SURR)	7.517	98	336920	9.78	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.80%		
70) p-Bromofluorobenzene (...)	10.285	95	133795	9.80	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.00%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.630	85	63025	10.73	ppb	100
3) Chloromethane	1.858	50	24974	4.44	ppb	# 84
4) Vinyl Chloride	1.938	62	69908	9.78	ppb	100
5) Bromomethane	2.303	94	4423	6.18	ppb	99
6) Chloroethane	2.406	64	40790	10.08	ppb	100
7) Trichlorofluoromethane	2.665	101	93898	11.63	ppb	100
8) Ethanol	2.912	45	9793	433.63	ppb	100
9) Freon-113	3.171	101	63023	10.23	ppb	99
10) 1,1-Dichloroethylene	3.196	61	92310	10.33	ppb	97
11) Acrolein	3.132	56	5253	6.63	ppb	99
12) Acetone	3.288	43	13530	8.71	ppb	98
13) Iodomethane	3.366	142	13107	7.54	ppb	99
14) Methyl Acetate	3.591	43	30425	9.39	ppb	100
15) Carbon disulfide	3.424	76	224681	11.45	ppb	100
16) tert-Butyl Alcohol (TBA)	3.950	59	3691	7.95	ppb	97
17) Methylene Chloride	3.700	49	85843	9.33	ppb	90
18) Acrylonitrile	3.970	53	12756	8.09	ppb	92
19) trans-1,2-Dichloroethy...	3.947	61	101136	10.50	ppb	# 89
20) tert-Butyl Methyl Ethe...	3.928	73	187175	10.26	ppb	99
21) 1,1-Dichloroethane	4.365	63	133308	10.76	ppb	100
22) Vinyl Acetate	4.384	43	178241	9.62	ppb	# 100
23) Diisopropyl ether (DIPE)	4.373	45	216868	10.02	ppb	# 89
24) Ethyl-tert-Butyl ether...	4.715	59	205249	9.34	ppb	# 99
25) cis-1,2-Dichloroethylene	4.918	61	112136	10.15	ppb	96
26) 2-Butanone	4.941	72	6128	8.27	ppb	98
27) 2,2-Dichloropropane	4.899	77	80519	8.84	ppb	# 100
28) Tetrahydrofuran	5.188	71	2645	4.77	ppb	# 1
29) Bromochloromethane	5.155	49	48071	10.17	ppb	# 67
30) Chloroform	5.219	83	130513	11.00	ppb	# 100
31) 1,1,1-Trichloroethane	5.369	97	109262	11.17	ppb	# 87
32) Cyclohexane	5.400	56	123633	10.22	ppb	94
33) 1,1-Dichloropropylene	5.522	75	104722	10.69	ppb	88
35) Carbon Tetrachloride	5.522	117	93053	11.45	ppb	100
36) tert-Amyl alcohol (TAA)	5.731	59	31216	67.12	ppb	97
37) 1,2-Dichloroethane	5.772	62	79910	10.83	ppb	# 86
38) Benzene	5.728	78	319151	10.72	ppb	96
39) tert-Amyl methyl ether...	5.789	73	187412	9.07	ppb	# 100
41) Trichloroethylene	6.337	95	82779	10.22	ppb	96
42) Methyl Cyclohexane	6.487	83	131328	9.74	ppb	92
43) Methyl Methacrylate	6.640	69	42530	9.66	ppb	# 82
44) Dibromomethane	6.707	93	40895	10.59	ppb	97
45) Bromodichloromethane	6.846	83	94606	9.85	ppb	98
46) 1,2-Dichloropropane	6.574	63	78967	9.38	ppb	# 84
47) 1,4-Dioxane	6.707	88	4398	108.59	ppb	98
48) 2-Chloroethyl vinyl ether	7.464	63	667	0.24	ppb	# 100
49) cis-1,3-Dichloropropene	7.269	75	119730	9.32	ppb	90
50) 4-Methyl-2-Pentanone	7.403	43	79295	8.89	ppb	91
52) Toluene	7.584	91	341715	9.94	ppb	100

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710672.D
 Acq On : 24 Sep 2016 5:56 am
 InstName : MSVOA7
 Operator : SS
 Sample : BI61179-BS1
 Misc : QBV7092316B Y16I081
 ALS Vial : 48 Sample Multiplier: 1

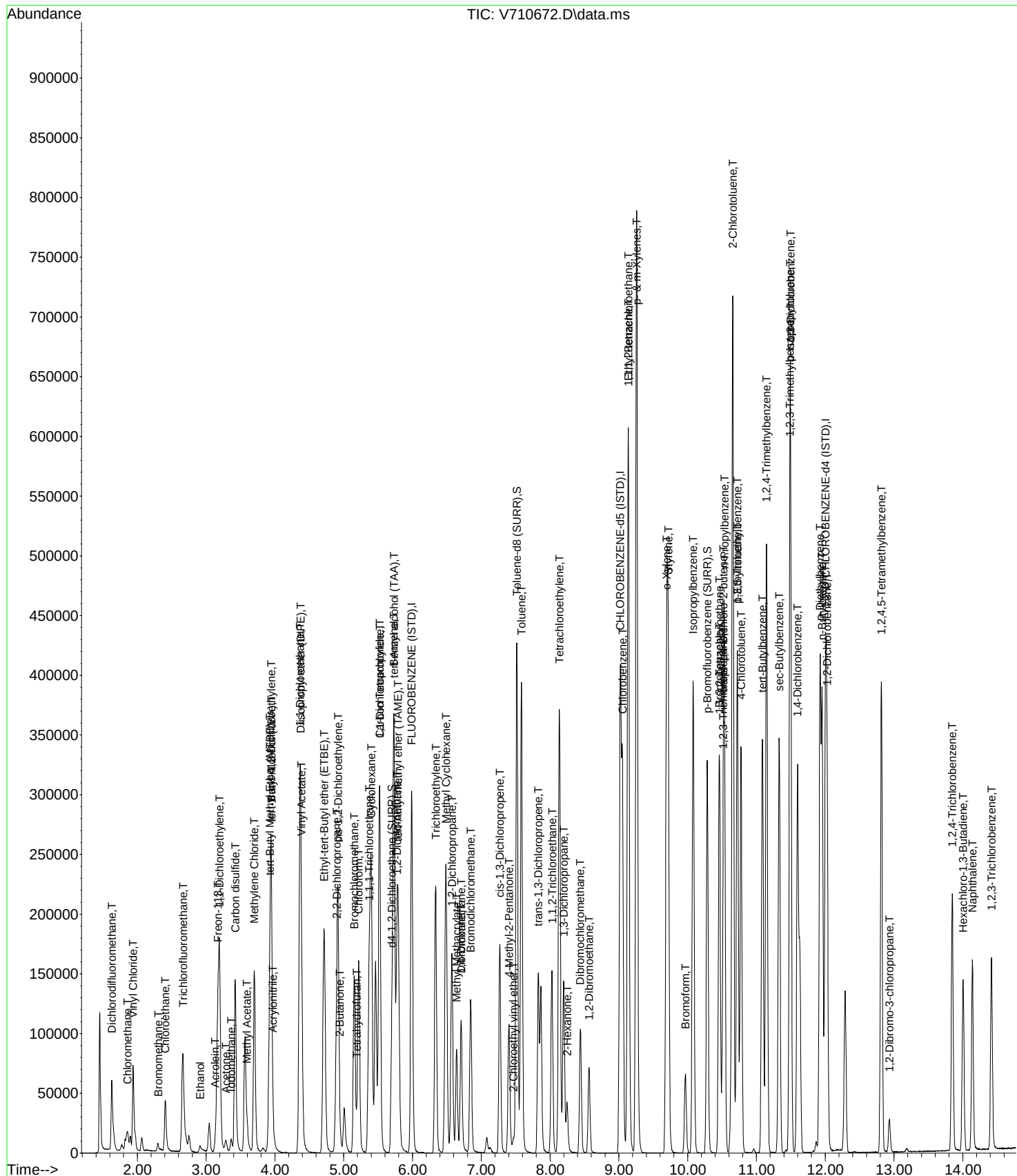
Quant Time: Sep 26 10:45:45 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) trans-1,3-Dichloropropene	7.828	75	96758	9.02	ppb	# 86
54) 1,1,2-Trichloroethane	8.029	97	59942	9.92	ppb	97
55) 1,3-Dichloropropane	8.199	76	104909	9.70	ppb	# 70
56) Tetrachloroethylene	8.137	166	141620	12.58	ppb	# 77
57) 2-Hexanone	8.249	43	27790	8.19	ppb	87
58) Dibromochloromethane	8.438	129	68523	9.85	ppb	98
59) 1,2-Dibromoethane	8.566	107	58784	9.91	ppb	98
60) Chlorobenzene	9.053	112	215806	9.49	ppb	97
61) 1,1,1,2-tetrachloroethane	9.139	131	76719	9.88	ppb	99
62) Ethyl Benzene	9.136	91	366814	9.98	ppb	100
63) p- & m-Xylenes	9.259	91	555112	20.07	ppb	98
64) o-Xylene	9.693	91	272972	9.52	ppb	99
65) Styrene	9.718	104	242107	10.57	ppb	# 100
66) Bromoform	9.965	173	39519	10.03	ppb	# 99
68) p-Ethyltoluene	10.722	105	297128	10.23	ppb	# 100
69) Isopropylbenzene	10.079	105	343835	9.61	ppb	97
71) 1,1,2,2-Tetrachloroethane	10.463	83	62223	9.20	ppb	# 100
72) Bromobenzene	10.460	77	130342	9.43	ppb	98
73) trans-1,4-Dichloro-2-b...	10.519	75	64052	8.85	ppb	84
74) 1,2,3-Trichloropropane	10.516	110	18451	9.86	ppb	77
75) n-Propylbenzene	10.533	91	387156	9.43	ppb	99
76) 2-Chlorotoluene	10.655	91	260697	9.42	ppb	100
77) 4-Chlorotoluene	10.775	91	240970	9.41	ppb	100
78) 1,3,5-Trimethylbenzene	10.722	105	297128	10.23	ppb	99
79) tert-Butylbenzene	11.086	119	235490	9.67	ppb	96
80) 1,2,4-Trimethylbenzene	11.145	105	299975	10.13	ppb	99
81) sec-Butylbenzene	11.331	105	320648	9.26	ppb	97
82) 1,3-Dichlorobenzene	11.495	146	160083	9.69	ppb	98
83) p-Isopropyltoluene	11.487	119	303171	10.14	ppb	98
84) 1,4-Dichlorobenzene	11.598	146	162782	9.62	ppb	99
85) 1,2,3-Trimethylbenzene	11.484	105	9965	0.80	ppb	85
86) p-Diethylbenzene	11.924	105	163540	10.11	ppb	98
87) 1,2-Dichlorobenzene	12.027	146	141745	9.37	ppb	# 100
88) n-Butylbenzene	11.955	91	299302	9.78	ppb	98
89) 1,2-Dibromo-3-chloropr...	12.934	75	8075	8.98	ppb	94
90) 1,2,4,5-Tetramethylben...	12.817	119	261635	9.52	ppb	99
91) 1,2,4-Trichlorobenzene	13.846	180	85737	9.72	ppb	99
92) Hexachloro-1,3-Butadiene	14.005	225	37363	9.58	ppb	98
93) Naphthalene	14.139	128	149738	9.30	ppb	100
94) 1,2,3-Trichlorobenzene	14.417	180	63623	9.34	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\  
Data File : V710672.D  
Acq On    : 24 Sep 2016    5:56 am  
InstName  : MSVOA7  
Operator  : SS  
Sample    : BI61179-BS1  
Misc      : QBV7092316B Y16I081  
ALS Vial  : 48    Sample Multiplier: 1
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Quant Time: Sep 26 10:45:45 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration



Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710673.D
 Acq On : 24 Sep 2016 6:22 am
 InstName : MSVOA7
 Operator : SS
 Sample : BI61179-BSD1
 Misc : QBV7092316B Y16I081
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 26 10:45:51 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.984	70	61664	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	278216	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.007	152	124058	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	66785	10.16	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.60%		
51) Toluene-d8 (SURR)	7.517	98	338134	9.78	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.80%		
70) p-Bromofluorobenzene (...)	10.285	95	135958	9.76	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.60%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.627	85	61650	10.35	ppb	100
3) Chloromethane	1.822	50	5970	1.05	ppb	95
4) Vinyl Chloride	1.941	62	70085	9.67	ppb	# 86
5) Bromomethane	2.297	94	4327	6.09	ppb	98
6) Chloroethane	2.409	64	41754	10.17	ppb	100
7) Trichlorofluoromethane	2.662	101	94537	11.54	ppb	100
8) Ethanol	2.912	45	7117	310.82	ppb	100
9) Freon-113	3.168	101	65274	10.45	ppb	100
10) 1,1-Dichloroethylene	3.193	61	94684	10.45	ppb	96
11) Acrolein	3.129	56	5532	6.88	ppb	99
12) Acetone	3.282	43	12545	7.96	ppb	98
13) Iodomethane	3.363	142	12482	7.32	ppb	99
14) Methyl Acetate	3.594	43	29624	9.02	ppb	98
15) Carbon disulfide	3.421	76	219605	11.04	ppb	100
16) tert-Butyl Alcohol (TBA)	3.944	59	3789	8.05	ppb	87
17) Methylene Chloride	3.700	49	87567	9.39	ppb	90
18) Acrylonitrile	3.967	53	13793	8.62	ppb	# 68
19) trans-1,2-Dichloroethy...	3.947	61	101482	10.39	ppb	98
20) tert-Butyl Methyl Ethe...	3.928	73	190902	10.32	ppb	99
21) 1,1-Dichloroethane	4.362	63	133974	10.66	ppb	100
22) Vinyl Acetate	4.390	43	184763	9.83	ppb	# 100
23) Diisopropyl ether (DIPE)	4.370	45	219712	10.01	ppb	# 95
24) Ethyl-tert-Butyl ether...	4.715	59	210938	9.47	ppb	# 80
25) cis-1,2-Dichloroethylene	4.915	61	112894	10.08	ppb	96
26) 2-Butanone	4.938	72	6501	8.66	ppb	85
27) 2,2-Dichloropropane	4.899	77	80155	8.68	ppb	# 100
28) Tetrahydrofuran	5.194	71	5625	10.01	ppb	88
29) Bromochloromethane	5.155	49	48034	10.02	ppb	94
30) Chloroform	5.219	83	132376	11.01	ppb	# 100
31) 1,1,1-Trichloroethane	5.369	97	109675	11.06	ppb	99
32) Cyclohexane	5.400	56	123184	10.05	ppb	94
33) 1,1-Dichloropropylene	5.519	75	103822	10.45	ppb	89
35) Carbon Tetrachloride	5.519	117	92712	11.25	ppb	100
36) tert-Amyl alcohol (TAA)	5.731	59	33497	71.04	ppb	# 70
37) 1,2-Dichloroethane	5.772	62	81151	10.84	ppb	# 86
38) Benzene	5.728	78	325480	10.78	ppb	# 95
39) tert-Amyl methyl ether...	5.789	73	193648	9.24	ppb	# 100
41) Trichloroethylene	6.337	95	83110	10.23	ppb	96
42) Methyl Cyclohexane	6.485	83	131421	9.71	ppb	92
43) Methyl Methacrylate	6.640	69	42711	9.66	ppb	# 99
44) Dibromomethane	6.707	93	40787	10.52	ppb	# 62
45) Bromodichloromethane	6.844	83	96506	10.01	ppb	98
46) 1,2-Dichloropropane	6.571	63	80217	9.50	ppb	99
47) 1,4-Dioxane	6.707	88	9851	242.33	ppb	91
48) 2-Chloroethyl vinyl ether	7.586	63	21025	7.41	ppb	# 100
49) cis-1,3-Dichloropropene	7.272	75	120789	9.37	ppb	91
50) 4-Methyl-2-Pentanone	7.400	43	80455	8.99	ppb	91
52) Toluene	7.584	91	343860	9.97	ppb	100

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710673.D
 Acq On : 24 Sep 2016 6:22 am
 InstName : MSVOA7
 Operator : SS
 Sample : BI61179-BSD1
 Misc : QBV7092316B Y16I081
 ALS Vial : 49 Sample Multiplier: 1

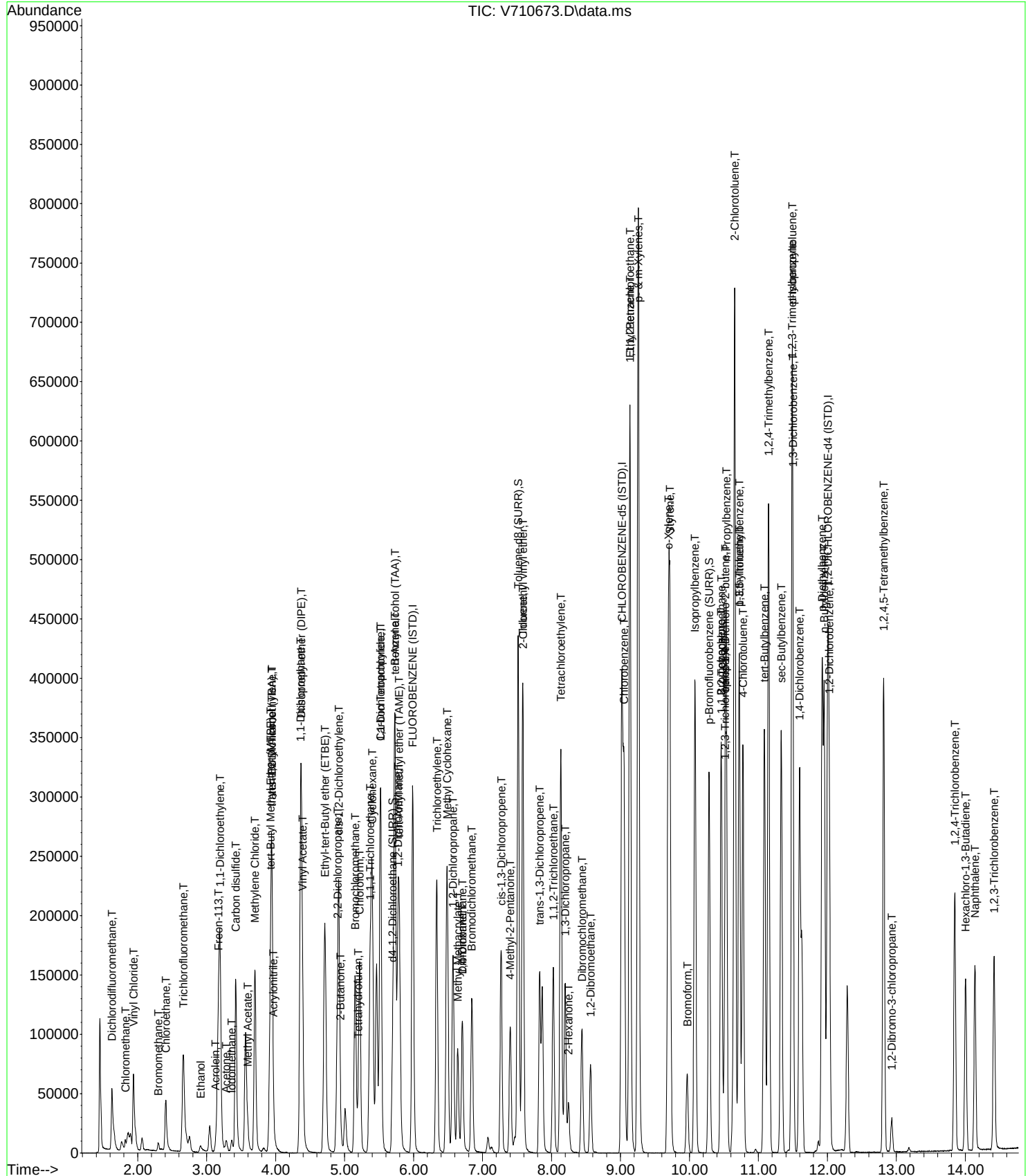
Quant Time: Sep 26 10:45:51 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) trans-1,3-Dichloropropene	7.828	75	98421	9.14	ppb	# 100
54) 1,1,2-Trichloroethane	8.026	97	60397	9.96	ppb	97
55) 1,3-Dichloropropane	8.198	76	105637	9.73	ppb	# 70
56) Tetrachloroethylene	8.137	166	127505	11.29	ppb	# 77
57) 2-Hexanone	8.246	43	29324	8.61	ppb	86
58) Dibromochloromethane	8.443	129	69567	9.96	ppb	99
59) 1,2-Dibromoethane	8.566	107	59920	10.07	ppb	99
60) Chlorobenzene	9.050	112	218197	9.56	ppb	98
61) 1,1,1,2-tetrachloroethane	9.139	131	78661	10.10	ppb	100
62) Ethyl Benzene	9.136	91	370616	10.05	ppb	100
63) p- & m-Xylenes	9.258	91	557544	20.08	ppb	98
64) o-Xylene	9.695	91	274639	9.55	ppb	99
65) Styrene	9.715	104	247013	10.75	ppb	# 100
66) Bromoform	9.968	173	40020	10.12	ppb	# 76
68) p-Ethyltoluene	10.722	105	298459	10.06	ppb	# 100
69) Isopropylbenzene	10.079	105	347536	9.51	ppb	97
71) 1,1,2,2-Tetrachloroethane	10.463	83	63327	9.17	ppb	# 99
72) Bromobenzene	10.460	77	134703	9.55	ppb	98
73) trans-1,4-Dichloro-2-b...	10.519	75	65991	8.94	ppb	83
74) 1,2,3-Trichloropropane	10.516	110	18545	9.70	ppb	78
75) n-Propylbenzene	10.533	91	389195	9.29	ppb	99
76) 2-Chlorotoluene	10.655	91	261507	9.26	ppb	100
77) 4-Chlorotoluene	10.775	91	244012	9.34	ppb	100
78) 1,3,5-Trimethylbenzene	10.722	105	298459	10.06	ppb	99
79) tert-Butylbenzene	11.086	119	234961	9.46	ppb	96
80) 1,2,4-Trimethylbenzene	11.148	105	303112	10.02	ppb	99
81) sec-Butylbenzene	11.331	105	322549	9.13	ppb	97
82) 1,3-Dichlorobenzene	11.501	146	161700	9.59	ppb	98
83) p-Isopropyltoluene	11.490	119	307833	10.09	ppb	97
84) 1,4-Dichlorobenzene	11.598	146	163949	9.49	ppb	100
85) 1,2,3-Trimethylbenzene	11.487	105	10049	0.79	ppb	87
86) p-Diethylbenzene	11.924	105	164888	9.99	ppb	97
87) 1,2-Dichlorobenzene	12.027	146	143421	9.29	ppb	# 100
88) n-Butylbenzene	11.954	91	298716	9.56	ppb	97
89) 1,2-Dibromo-3-chloropr...	12.934	75	8464	9.22	ppb	96
90) 1,2,4,5-Tetramethylben...	12.817	119	266232	9.49	ppb	99
91) 1,2,4-Trichlorobenzene	13.849	180	87628	9.74	ppb	99
92) Hexachloro-1,3-Butadiene	14.005	225	38018	9.55	ppb	98
93) Naphthalene	14.139	128	153701	9.35	ppb	99
94) 1,2,3-Trichlorobenzene	14.420	180	66521	9.57	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
Data File : V710673.D
Acq On : 24 Sep 2016 6:22 am
InstName : MSVOA7
Operator : SS
Sample : BI61179-BSD1
Misc : QBV7092316B Y16I081
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 26 10:45:51 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\V6092616\
 Data File : V6020205.D
 Acq On : 26 Sep 2016 11:54 am
 InstName : MSVOA6
 Operator : SS
 Sample : BI61211-BS1
 Misc : QBV6092616A Y16I081
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 26 16:21:48 2016
 Quant Method : C:\msdchem\1\METHODS\V6L00099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 11:53:12 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.745	70	92411	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	8.780	117	313298	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.749	152	122172	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.452	65	114720	9.41	ppb	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	94.10%	
51) Toluene-d8 (SURR)	7.283	98	439750	9.78	ppb	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	97.80%	
70) p-Bromofluorobenzene (...)	10.049	95	181705	10.19	ppb	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	101.90%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.340	85	132067	7.83	ppb	99
3) Chloromethane	1.535	50	114262	7.39	ppb	97
4) Vinyl Chloride	1.627	62	134052	8.45	ppb	# 89
5) Bromomethane	1.972	94	17763	2.73	ppb	90
6) Chloroethane	2.080	64	84853	8.94	ppb	98
7) Trichlorofluoromethane	2.331	101	234849	9.04	ppb	99
8) Ethanol	2.673	45	15361m	762.94	ppb	
9) Freon-113	2.868	101	144529	9.38	ppb	93
10) 1,1-Dichloroethylene	2.884	61	250434	9.53	ppb	# 95
11) Acrolein	2.840	56	7528	8.70	ppb	91
12) Acetone	3.012	43	17761	7.96	ppb	# 92
13) Iodomethane	3.051	142	14669	2.58	ppb	91
14) Methyl Acetate	3.332	43	41011	9.04	ppb	97
15) Carbon disulfide	3.093	76	454392	9.74	ppb	100
16) tert-Butyl Alcohol (TBA)	3.594	59	5085	8.13	ppb	# 97
17) Methylene Chloride	3.419	49	177050	8.74	ppb	98
18) Acrylonitrile	3.719	53	14696	7.68	ppb	95
19) trans-1,2-Dichloroethy...	3.666	61	244530	9.57	ppb	# 71
20) tert-Butyl Methyl Ethe...	3.658	73	365242	9.50	ppb	# 92
21) 1,1-Dichloroethane	4.092	63	308345	9.82	ppb	99
22) Vinyl Acetate	4.145	43	255189m	6.70	ppb	
23) Diisopropyl ether (DIPE)	4.125	45	455440	10.23	ppb	100
24) Ethyl-tert-Butyl ether...	4.473	59	488515	9.67	ppb	# 90
25) cis-1,2-Dichloroethylene	4.660	61	278753	9.56	ppb	92
26) 2-Butanone	4.718	72	4782	6.02	ppb	# 1
27) 2,2-Dichloropropane	4.629	77	279078	9.51	ppb	95
28) Tetrahydrofuran	4.954	42	14475	8.67	ppb	# 78
29) Bromochloromethane	4.904	49	100160	10.30	ppb	93
30) Chloroform	4.977	83	312164	9.55	ppb	# 95
31) 1,1,1-Trichloroethane	5.107	97	287851	9.56	ppb	99
32) Cyclohexane	5.133	56	260256	9.92	ppb	94
33) 1,1-Dichloropropylene	5.269	75	244952	9.62	ppb	76
35) Carbon Tetrachloride	5.258	117	242173	9.40	ppb	# 92
36) tert-Amyl alcohol (TAA)	5.539	59	74704	99.16	ppb	# 53
37) 1,2-Dichloroethane	5.528	62	188458	9.01	ppb	99
38) Benzene	5.472	78	633507	9.89	ppb	# 93
39) tert-Amyl methyl ether...	5.561	73	448895	9.80	ppb	96
41) Trichloroethylene	6.095	95	169451	8.95	ppb	86
42) Methyl Cyclohexane	6.232	83	265220	9.54	ppb	96
43) Methyl Methacrylate	6.440	69	54957	8.57	ppb	# 68
44) Dibromomethane	6.468	93	68894	9.01	ppb	95
45) Bromodichloromethane	6.618	83	223235	9.17	ppb	96
46) 1,2-Dichloropropane	6.332	63	153771	9.48	ppb	# 90

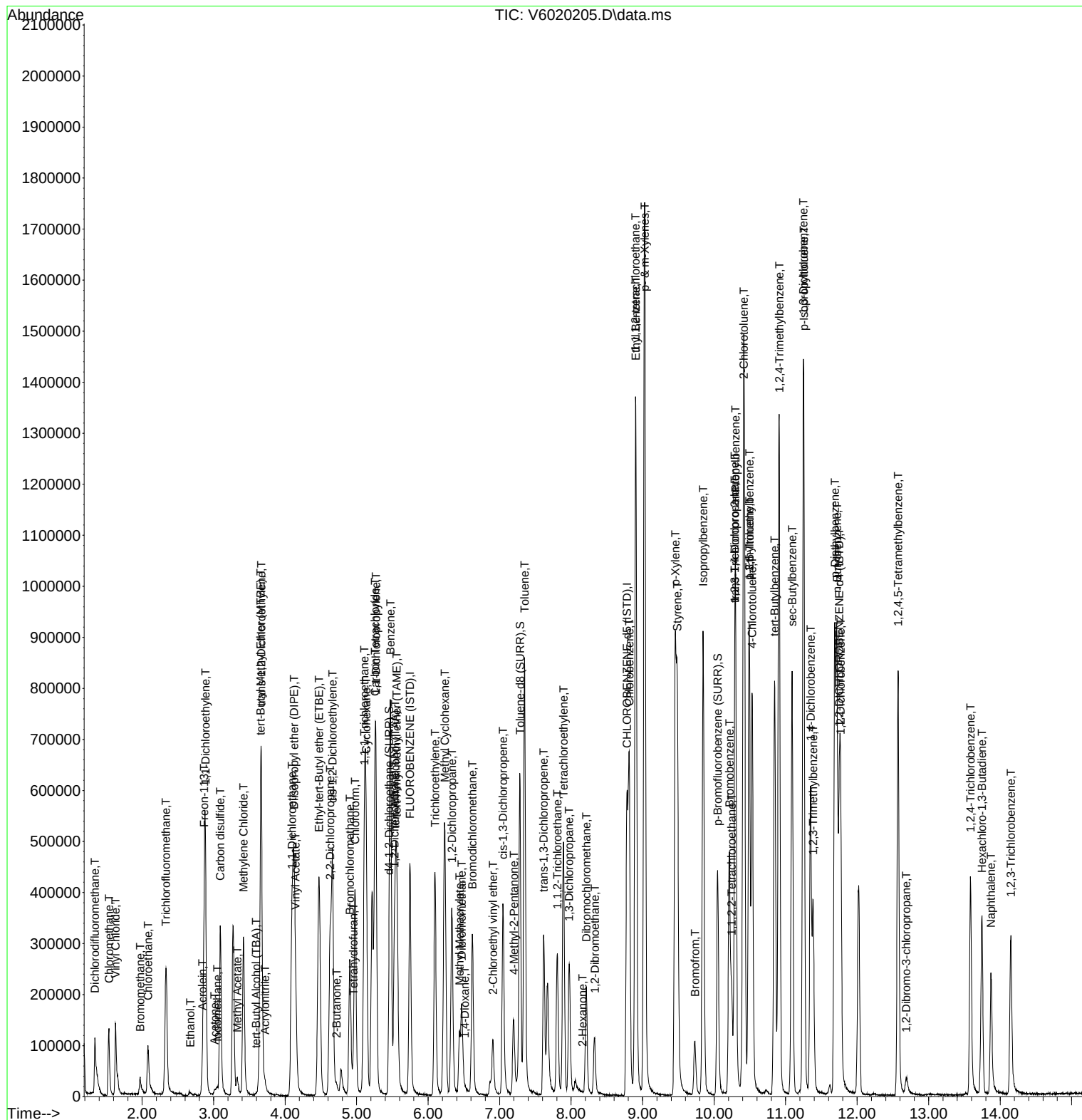
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 Data File : V6020205.D
 Acq On : 26 Sep 2016 11:54 am
 InstName : MSVOA6
 Operator : SS
 Sample : BI61211-BS1
 Misc : QBV6092616A Y16I081
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 26 16:21:48 2016
 Quant Method : C:\msdchem\1\METHODS\V6L00099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 11:53:12 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,4-Dioxane	6.513	88	11919m	316.06	ppb	
48) 2-Chloroethyl vinyl ether	6.905	63	48902	8.29	ppb	98
49) cis-1,3-Dichloropropene	7.047	75	256102	9.43	ppb	98
50) 4-Methyl-2-Pentanone	7.197	43	112958	9.22	ppb	95
52) Toluene	7.347	91	665820	9.43	ppb	99
53) trans-1,3-Dichloropropene	7.614	75	211894	9.24	ppb	98
54) 1,1,2-Trichloroethane	7.806	97	93652	9.21	ppb	89
55) 1,3-Dichloropropane	7.970	76	175713	9.30	ppb	99
56) Tetrachloroethylene	7.893	166	146253	8.84	ppb	# 81
57) 2-Hexanone	8.157	43	821	2.33	ppb	# 23
58) Dibromochloromethane	8.212	129	120070	9.23	ppb	95
59) 1,2-Dibromoethane	8.329	107	88074	9.27	ppb	92
60) Chlorobenzene	8.811	112	368343	8.88	ppb	# 89
61) 1,1,1,2-tetrachloroethane	8.902	131	133807	9.11	ppb	92
62) Ethyl Benzene	8.905	91	773371	9.78	ppb	97
63) p- & m-Xylenes	9.028	91	1190401	19.39	ppb	98
64) o-Xylene	9.459	91	600540	9.21	ppb	98
65) Styrene	9.484	104	417262	9.99	ppb	# 77
66) Bromofrom	9.732	173	59336	9.14	ppb	98
68) p-Ethyltoluene	10.491	105	608714m	9.77	ppb	
69) Isopropylbenzene	9.846	105	686095	9.63	ppb	96
71) 1,1,2,2-Tetrachloroethane	10.243	83	102527	9.88	ppb	# 75
72) Bromobenzene	10.213	77	272945	9.88	ppb	87
73) trans-1,4-Dichloro-2-b...	10.288	75	112203	9.05	ppb	# 85
74) 1,2,3-Trichloropropane	10.288	110	28456	9.70	ppb	# 1
75) n-Propylbenzene	10.296	91	839414	9.80	ppb	95
76) 2-Chlorotoluene	10.410	91	579499	9.41	ppb	99
77) 4-Chlorotoluene	10.530	91	528649	9.44	ppb	97
78) 1,3,5-Trimethylbenzene	10.491	105	615512	9.90	ppb	94
79) tert-Butylbenzene	10.844	119	451784	9.44	ppb	91
80) 1,2,4-Trimethylbenzene	10.911	105	611647	10.01	ppb	# 90
81) sec-Butylbenzene	11.089	105	657131	9.32	ppb	96
82) 1,3-Dichlorobenzene	11.248	146	247238	9.17	ppb	# 89
83) p-Isopropyltoluene	11.253	119	591872	9.93	ppb	95
84) 1,4-Dichlorobenzene	11.348	146	240340	8.88	ppb	# 88
85) 1,2,3-Trimethylbenzene	11.384	105	239024	3.78	ppb	96
86) p-Diethylbenzene	11.687	105	347620	10.24	ppb	# 34
87) 1,2-Dichlorobenzene	11.771	146	211859	8.82	ppb	# 72
88) n-Butylbenzene	11.718	91	721951	10.05	ppb	86
89) 1,2-Dibromo-3-chloropr...	12.686	75	17524m	9.94	ppb	
90) 1,2,4,5-Tetramethylben...	12.572	119	528859	9.73	ppb	96
91) 1,2,4-Trichlorobenzene	13.585	180	144673	9.63	ppb	# 95
92) Hexachloro-1,3-Butadiene	13.744	225	78744	9.42	ppb	98
93) Naphthalene	13.872	128	212932	9.34	ppb	94
94) 1,2,3-Trichlorobenzene	14.147	180	110140	9.29	ppb	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Sep 26 16:21:48 2016
Quant Method : C:\msdchem\1\METHODS\V6L00099.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Fri Sep 23 11:53:12 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\V6092616\
 Data File : V6020206.D
 Acq On : 26 Sep 2016 12:34 pm
 InstName : MSVOA6
 Operator : SS
 Sample : BI61211-BSD1
 Misc : QBV6092616A
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 26 16:23:39 2016
 Quant Method : C:\msdchem\1\METHODS\V6L00099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 11:53:12 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.745	70	92716	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.780	117	309229	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.749	152	119473	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.453	65	112093	9.17	ppb	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	91.70%	
51) Toluene-d8 (SURR)	7.281	98	440080	9.91	ppb	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	99.10%	
70) p-Bromofluorobenzene (...)	10.046	95	181697	10.42	ppb	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	104.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.338	85	135815	8.03	ppb	# 87
3) Chloromethane	1.532	50	117823	7.60	ppb	95
4) Vinyl Chloride	1.627	62	139750	8.78	ppb	# 89
5) Bromomethane	1.972	94	25378	3.57	ppb	100
6) Chloroethane	2.086	64	84958	8.93	ppb	100
7) Trichlorofluoromethane	2.336	101	245456	9.42	ppb	100
8) Ethanol	2.654	45	16518m	817.71	ppb	
9) Freon-113	2.865	101	147657	9.55	ppb	92
10) 1,1-Dichloroethylene	2.882	61	253395	9.61	ppb	# 94
11) Acrolein	2.843	56	8504m	9.80	ppb	
12) Acetone	3.015	43	17702m	7.91	ppb	
13) Iodomethane	3.046	142	22467	3.21	ppb	99
14) Methyl Acetate	3.327	43	45085	9.90	ppb	99
15) Carbon disulfide	3.093	76	460786	9.84	ppb	100
16) tert-Butyl Alcohol (TBA)	3.591	59	8155m	13.00	ppb	
17) Methylene Chloride	3.419	49	178397	8.78	ppb	98
18) Acrylonitrile	3.708	53	21901m	11.41	ppb	
19) trans-1,2-Dichloroethy...	3.664	61	248002	9.68	ppb	97
20) tert-Butyl Methyl Ethe...	3.658	73	378007	9.80	ppb	# 94
21) 1,1-Dichloroethane	4.092	63	319694	10.15	ppb	99
22) Vinyl Acetate	4.148	43	308618m	8.07	ppb	
23) Diisopropyl ether (DIPE)	4.123	45	456918	10.23	ppb	# 97
24) Ethyl-tert-Butyl ether...	4.468	59	487673	9.63	ppb	99
25) cis-1,2-Dichloroethylene	4.662	61	281236	9.61	ppb	# 81
26) 2-Butanone	4.721	72	4827	6.05	ppb	# 1
27) 2,2-Dichloropropane	4.635	77	277662	9.43	ppb	95
28) Tetrahydrofuran	4.943	42	16571	9.67	ppb	84
29) Bromochloromethane	4.904	49	100067	10.26	ppb	# 77
30) Chloroform	4.980	83	316975	9.67	ppb	# 70
31) 1,1,1-Trichloroethane	5.110	97	287895	9.53	ppb	98
32) Cyclohexane	5.130	56	267329	10.16	ppb	94
33) 1,1-Dichloropropylene	5.269	75	248788	9.74	ppb	77
35) Carbon Tetrachloride	5.255	117	246424	9.53	ppb	# 92
36) tert-Amyl alcohol (TAA)	5.542	59	78835	104.30	ppb	# 53
37) 1,2-Dichloroethane	5.528	62	189187	9.02	ppb	# 98
38) Benzene	5.469	78	634336	9.87	ppb	93
39) tert-Amyl methyl ether...	5.558	73	456460	9.93	ppb	# 88
41) Trichloroethylene	6.095	95	173405	9.28	ppb	86
42) Methyl Cyclohexane	6.232	83	267209	9.73	ppb	94
43) Methyl Methacrylate	6.435	69	55346	8.74	ppb	# 69
44) Dibromomethane	6.468	93	70169	9.29	ppb	95
45) Bromodichloromethane	6.618	83	226078	9.41	ppb	98
46) 1,2-Dichloropropane	6.332	63	157718	9.85	ppb	# 90

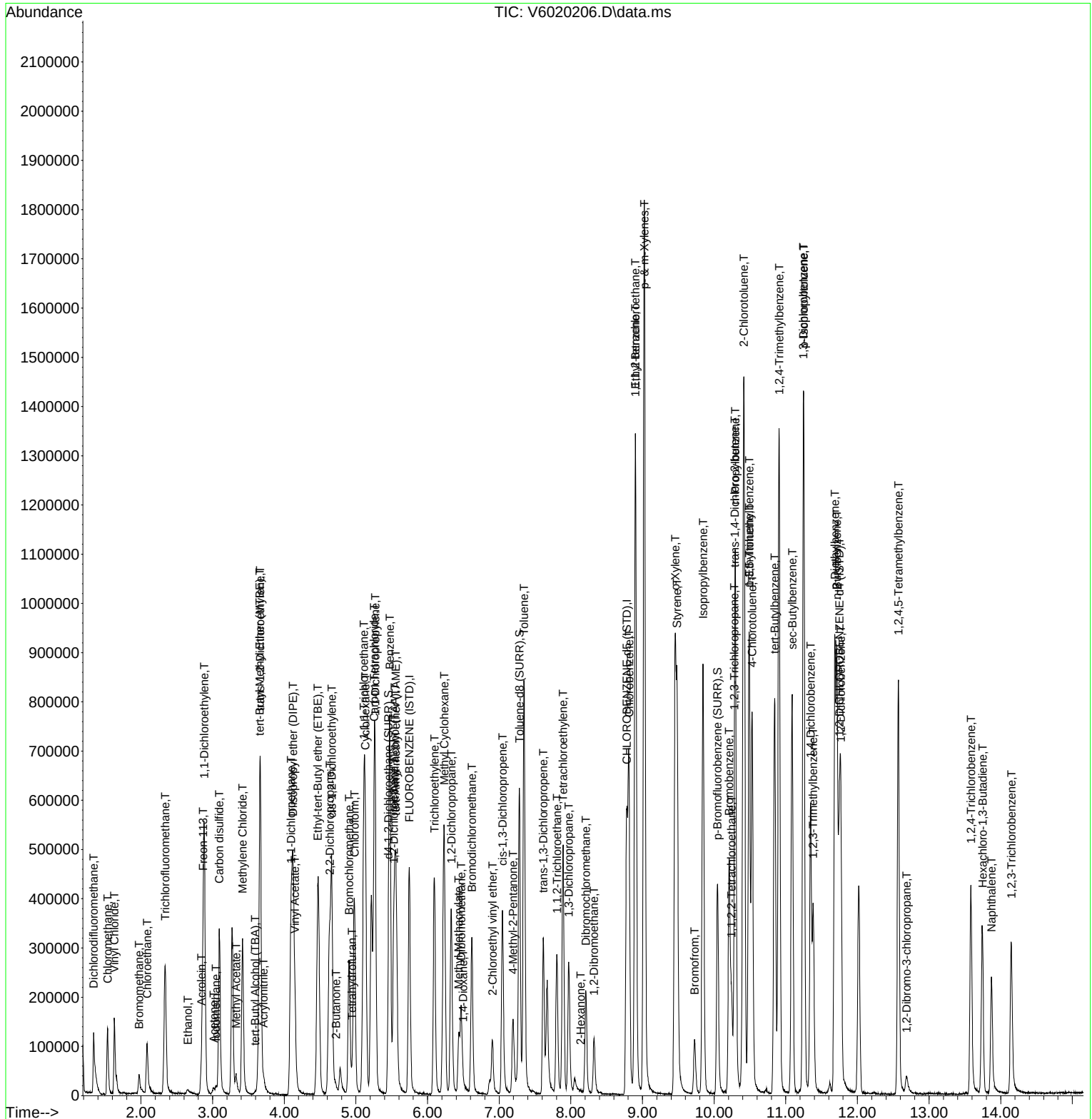
Data Path : C:\msdchem\1\DATA\V6092616\
 Data File : V6020206.D
 Acq On : 26 Sep 2016 12:34 pm
 InstName : MSVOA6
 Operator : SS
 Sample : BI61211-BSD1
 Misc : QBV6092616A
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 26 16:23:39 2016
 Quant Method : C:\msdchem\1\METHODS\V6L00099.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Fri Sep 23 11:53:12 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,4-Dioxane	6.493	88	3781	147.73	ppb	96
48) 2-Chloroethyl vinyl ether	6.905	63	51951	8.92	ppb	97
49) cis-1,3-Dichloropropene	7.044	75	254578	9.49	ppb	98
50) 4-Methyl-2-Pentanone	7.191	43	116666	9.56	ppb	95
52) Toluene	7.345	91	657202	9.43	ppb	99
53) trans-1,3-Dichloropropene	7.614	75	215516	9.52	ppb	99
54) 1,1,2-Trichloroethane	7.806	97	95441	9.51	ppb	92
55) 1,3-Dichloropropane	7.971	76	178098	9.55	ppb	# 76
56) Tetrachloroethylene	7.890	166	143795	8.80	ppb	# 70
57) 2-Hexanone	8.135	43	1409	2.44	ppb	# 37
58) Dibromochloromethane	8.210	129	119187	9.28	ppb	# 93
59) 1,2-Dibromoethane	8.321	107	88794	9.47	ppb	92
60) Chlorobenzene	8.811	112	375488	9.17	ppb	# 90
61) 1,1,1,2-tetrachloroethane	8.900	131	138561	9.56	ppb	94
62) Ethyl Benzene	8.903	91	775816	9.94	ppb	96
63) p- & m-Xylenes	9.025	91	1203360	19.86	ppb	98
64) o-Xylene	9.456	91	597434	9.28	ppb	98
65) Styrene	9.481	104	426129	10.34	ppb	# 92
66) Bromofrom	9.726	173	58932	9.20	ppb	# 79
68) p-Ethyltoluene	10.488	105	616978	10.13	ppb	# 79
69) Isopropylbenzene	9.846	105	693234	9.95	ppb	96
71) 1,1,2,2-Tetrachloroethane	10.241	83	102938	10.14	ppb	# 76
72) Bromobenzene	10.207	77	272257	10.08	ppb	87
73) trans-1,4-Dichloro-2-b...	10.288	75	113642	9.33	ppb	# 83
74) 1,2,3-Trichloropropane	10.283	110	29064	10.13	ppb	# 1
75) n-Propylbenzene	10.294	91	844248	10.07	ppb	95
76) 2-Chlorotoluene	10.411	91	592085	9.83	ppb	98
77) 4-Chlorotoluene	10.530	91	536688	9.80	ppb	97
78) 1,3,5-Trimethylbenzene	10.488	105	616978	10.15	ppb	94
79) tert-Butylbenzene	10.845	119	459256	9.81	ppb	91
80) 1,2,4-Trimethylbenzene	10.909	105	618124	10.34	ppb	# 89
81) sec-Butylbenzene	11.089	105	664946	9.65	ppb	95
82) 1,3-Dichlorobenzene	11.245	146	250696	9.51	ppb	# 90
83) p-Isopropyltoluene	11.251	119	592437	10.16	ppb	95
84) 1,4-Dichlorobenzene	11.345	146	239696	9.06	ppb	# 89
85) 1,2,3-Trimethylbenzene	11.382	105	240899	3.89	ppb	95
86) p-Diethylbenzene	11.685	105	350248	10.55	ppb	# 35
87) 1,2-Dichlorobenzene	11.768	146	213962	9.11	ppb	# 87
88) n-Butylbenzene	11.713	91	716830	10.21	ppb	87
89) 1,2-Dibromo-3-chloropr...	12.684	75	15039	9.02	ppb	# 87
90) 1,2,4,5-Tetramethylben...	12.572	119	535045	10.07	ppb	96
91) 1,2,4-Trichlorobenzene	13.585	180	147764	10.06	ppb	# 95
92) Hexachloro-1,3-Butadiene	13.746	225	77871	9.52	ppb	98
93) Naphthalene	13.872	128	214252	9.61	ppb	95
94) 1,2,3-Trichlorobenzene	14.147	180	111833	9.64	ppb	# 95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Sep 26 16:23:39 2016
Quant Method : C:\msdchem\1\METHODS\V6L00099.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Fri Sep 23 11:53:12 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\092616\
 Data File : V8003743.D
 Acq On : 26 Sep 2016 3:54 pm
 Operator : BK
 Sample : BI61212-BS1
 Misc : V8092616A Y16I081
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 27 08:20:03 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	6.173	70	141671	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	9.229	117	694717	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.235	152	318197	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.889	65	172928	11.07	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	110.70%		
51) Toluene-d8 (SURR)	7.712	98	834127	10.04	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.40%		
70) p-Bromofluorobenzene (...)	10.501	95	309886	9.36	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	93.60%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.745	85	85063	8.54	ppb	99
3) Chloromethane	1.954	50	18566m	2.98	ppb	
4) Vinyl Chloride	2.074	62	82689	6.86	ppb	98
5) Bromomethane	2.445	94	10131	4.50	ppb	94
6) Chloroethane	2.553	64	47602m	9.39	ppb	
7) Trichlorofluoromethane	2.810	101	215392	11.60	ppb	100
8) Ethanol	3.089	45	12303	1270.48	ppb	100
9) Freon-113	3.331	101	96942	9.40	ppb	98
10) 1,1-Dichloroethylene	3.359	61	141468	9.62	ppb	# 88
11) Acrolein	3.303	56	6275	10.52	ppb	93
12) Acetone	3.465	43	14739	8.88	ppb	99
13) Iodomethane	3.543	142	47599m	9.30	ppb	
14) Methyl Acetate	3.769	43	36266	11.35	ppb	100
15) Carbon disulfide	3.593	76	245066	9.90	ppb	100
16) tert-Butyl Alcohol (TBA)	3.998	59	4584m	19.19	ppb	
17) Methylene Chloride	3.875	49	123864	9.57	ppb	93
18) Acrylonitrile	4.143	53	15533	10.19	ppb	# 60
19) trans-1,2-Dichloroethy...	4.123	61	137340	9.34	ppb	# 89
20) tert-Butyl Methyl Ethe...	4.104	73	193395	10.67	ppb	98
21) 1,1-Dichloroethane	4.542	63	191026	9.67	ppb	99
22) Vinyl Acetate	4.561	43	279822	12.87	ppb	100
23) Diisopropyl ether (DIPE)	4.547	45	332266	9.22	ppb	# 88
24) Ethyl-tert-Butyl ether...	4.893	59	257938	9.04	ppb	# 83
25) cis-1,2-Dichloroethylene	5.099	61	160981	9.24	ppb	98
26) 2-Butanone	5.119	72	6871	9.51	ppb	81
27) 2,2-Dichloropropane	5.083	77	118874	8.93	ppb	# 82
28) Tetrahydrofuran	5.381	42	6533	5.41	ppb	# 42
29) Bromochloromethane	5.339	49	73019	10.58	ppb	96
30) Chloroform	5.403	83	186339	9.65	ppb	# 98
31) 1,1,1-Trichloroethane	5.557	97	160152	9.74	ppb	# 73
32) Cyclohexane	5.585	56	170685	9.72	ppb	89
33) 1,1-Dichloropropylene	5.707	75	136777	9.32	ppb	# 63
35) Carbon Tetrachloride	5.704	117	150991	10.28	ppb	99
36) tert-Amyl alcohol (TAA)	5.914	59	38185	151.16	ppb	# 79
37) 1,2-Dichloroethane	5.961	62	104824	9.99	ppb	98
38) Benzene	5.916	78	415751	9.33	ppb	# 96
39) tert-Amyl methyl ether...	5.972	73	215588	9.30	ppb	97
41) Trichloroethylene	6.527	95	107723	8.98	ppb	91
42) Methyl Cyclohexane	6.678	83	167835	9.24	ppb	95
43) Methyl Methacrylate	6.828	69	38808	11.11	ppb	# 75
44) Dibromomethane	6.901	93	49135	10.49	ppb	94
45) Bromodichloromethane	7.037	83	128762	9.85	ppb	95
46) 1,2-Dichloropropane	6.764	63	103782	9.32	ppb	96
47) 1,4-Dioxane	6.912	88	7485m	352.16	ppb	
49) cis-1,3-Dichloropropene	7.464	75	141799	9.44	ppb	95
50) 4-Methyl-2-Pentanone	7.595	43	100122	12.29	ppb	# 86
52) Toluene	7.782	91	443514	8.92	ppb	98
53) trans-1,3-Dichloropropene	8.027	75	110232	9.59	ppb	99

Data Path : C:\msdchem\1\data\092616\
 Data File : V8003743.D
 Acq On : 26 Sep 2016 3:54 pm
 Operator : BK
 Sample : BI61212-BS1
 Misc : V8092616A Y16I081
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 27 08:20:03 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) 1,1,2-Trichloroethane	8.228	97	67674	10.15	ppb	93
55) 1,3-Dichloropropane	8.401	76	109143	10.25	ppb	94
56) Tetrachloroethylene	8.337	166	128180	9.00	ppb	# 70
57) 2-Hexanone	8.446	43	36182	11.24	ppb	# 90
58) Dibromochloromethane	8.649	129	87871	10.27	ppb	# 94
59) 1,2-Dibromoethane	8.775	107	65903	10.61	ppb	93
60) Chlorobenzene	9.260	112	287515	8.76	ppb	91
61) 1,1,1,2-tetrachloroethane	9.346	131	108031	9.04	ppb	92
62) Ethyl Benzene	9.344	91	499019	9.12	ppb	95
63) p- & m-Xylenes	9.464	91	742766	17.71	ppb	94
64) o-Xylene	9.901	91	364763	8.60	ppb	98
65) Styrene	9.926	104	300287	9.57	ppb	# 77
66) Bromoform	10.186	173	45972	11.87	ppb	98
68) p-Ethyltoluene	10.936	105	384955	8.45	ppb	# 79
69) Isopropylbenzene	10.292	105	459391	8.28	ppb	96
71) 1,1,2,2-Tetrachloroethane	10.679	83	72237	10.09	ppb	# 63
72) Bromobenzene	10.677	77	153546	8.82	ppb	84
73) trans-1,4-Dichloro-2-b...	10.735	75	69878	9.73	ppb	# 78
74) 1,2,3-Trichloropropane	10.735	110	18516	10.38	ppb	# 21
75) n-Propylbenzene	10.746	91	543982	8.20	ppb	98
76) 2-Chlorotoluene	10.872	91	359296	8.12	ppb	98
77) 4-Chlorotoluene	10.995	91	314994	8.20	ppb	98
78) 1,3,5-Trimethylbenzene	10.936	105	384955	8.42	ppb	94
79) tert-Butylbenzene	11.304	119	310403	8.18	ppb	95
80) 1,2,4-Trimethylbenzene	11.363	105	392808	8.51	ppb	# 76
81) sec-Butylbenzene	11.552	105	440347	8.04	ppb	97
82) 1,3-Dichlorobenzene	11.722	146	208671	8.06	ppb	97
83) p-Isopropyltoluene	11.706	119	409978	8.50	ppb	96
84) 1,4-Dichlorobenzene	11.820	146	202703	8.41	ppb	96
85) 1,2,3-Trimethylbenzene	11.853	105	147879	8.66	ppb	98
86) p-Diethylbenzene	12.146	105	217536	8.84	ppb	# 48
87) 1,2-Dichlorobenzene	12.258	146	174826m	8.82	ppb	
88) n-Butylbenzene	12.177	91	422826	8.51	ppb	90
89) 1,2-Dibromo-3-chloropr...	13.172	75	7631	10.79	ppb	# 65
90) 1,2,4,5-Tetramethylben...	13.044	119	301864	9.28	ppb	92
91) 1,2,4-Trichlorobenzene	14.087	180	70638	12.09	ppb	97
92) Hexachloro-1,3-Butadiene	14.243	225	29486	10.05	ppb	95
93) Naphthalene	14.386	128	95598	13.61	ppb	97
94) 1,2,3-Trichlorobenzene	14.664	180	40128	14.62	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Sep 27 08:20:03 2016
Quant Method : C:\msdchem\1\methods\V8L00015.M
Quant Title : Volatile Organics EPA 8260C
Qlast Update : Thu Sep 15 08:36:22 2016
InstName : VOA No. 8
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\092616\
 Data File : V8003744.D
 Acq On : 26 Sep 2016 4:21 pm
 Operator : BK
 Sample : BI61212-BSD1
 Misc : V8092616A Y16I081
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 27 08:21:25 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	6.175	70	143141	10.00	ppb	# 0.00
40) CHLORO BENZENE-d5 (ISTD)	9.229	117	713487	10.00	ppb	0.00
67) 1,2-DICHLORO BENZENE-d4...	12.235	152	335109	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.888	65	179802	11.39	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	113.90%	
51) Toluene-d8 (SURR)	7.712	98	850334	9.97	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	99.70%	
70) p-Bromofluorobenzene (...)	10.501	95	325228	9.33	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	93.30%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.744	85	84981	8.44	ppb	# 85
3) Chloromethane	1.956	50	24258m	3.86	ppb	
4) Vinyl Chloride	2.071	62	85433	7.01	ppb	99
5) Bromomethane	2.447	94	32150m	10.43	ppb	
6) Chloroethane	2.553	64	47510m	9.27	ppb	
7) Trichlorofluoromethane	2.807	101	210493	11.22	ppb	100
8) Ethanol	3.091	45	13332	1365.05	ppb	100
9) Freon-113	3.334	101	97991	9.41	ppb	97
10) 1,1-Dichloroethylene	3.362	61	143442	9.65	ppb	# 89
11) Acrolein	3.300	56	6445	10.70	ppb	90
12) Acetone	3.462	43	16513	9.85	ppb	99
13) Iodomethane	3.540	142	50478m	9.59	ppb	
14) Methyl Acetate	3.766	43	39082	12.11	ppb	100
15) Carbon disulfide	3.593	76	247135	9.88	ppb	100
16) tert-Butyl Alcohol (TBA)	4.011	59	4625	19.16	ppb	# 97
17) Methylene Chloride	3.872	49	129340	9.89	ppb	93
18) Acrylonitrile	4.145	53	17231	11.19	ppb	97
19) trans-1,2-Dichloroethy...	4.123	61	142446	9.58	ppb	98
20) tert-Butyl Methyl Ethe...	4.104	73	206697	11.28	ppb	98
21) 1,1-Dichloroethane	4.541	63	200140	10.03	ppb	100
22) Vinyl Acetate	4.564	43	293846	13.38	ppb	100
23) Diisopropyl ether (DIPE)	4.547	45	349435	9.59	ppb	97
24) Ethyl-tert-Butyl ether...	4.890	59	276547	9.59	ppb	# 83
25) cis-1,2-Dichloroethylene	5.099	61	167549	9.52	ppb	# 69
26) 2-Butanone	5.119	72	7372	10.10	ppb	85
27) 2,2-Dichloropropane	5.080	77	118555	8.81	ppb	# 75
28) Tetrahydrofuran	5.383	42	15307	12.55	ppb	# 73
29) Bromochloromethane	5.339	49	75614	10.85	ppb	97
30) Chloroform	5.403	83	193392	9.91	ppb	# 98
31) 1,1,1-Trichloroethane	5.556	97	163210	9.82	ppb	99
32) Cyclohexane	5.587	56	167267	9.42	ppb	91
33) 1,1-Dichloropropylene	5.707	75	139592	9.41	ppb	# 63
35) Carbon Tetrachloride	5.704	117	153773	10.36	ppb	98
36) tert-Amyl alcohol (TAA)	5.913	59	42078	166.80	ppb	88
37) 1,2-Dichloroethane	5.961	62	110205	10.39	ppb	99
38) Benzene	5.916	78	427575	9.50	ppb	# 96
39) tert-Amyl methyl ether...	5.975	73	232065	9.91	ppb	97
41) Trichloroethylene	6.524	95	110409	8.96	ppb	90
42) Methyl Cyclohexane	6.675	83	170361	9.13	ppb	96
43) Methyl Methacrylate	6.828	69	41569	11.58	ppb	# 76
44) Dibromomethane	6.903	93	51725	10.75	ppb	94
45) Bromodichloromethane	7.037	83	136912	10.20	ppb	96
46) 1,2-Dichloropropane	6.767	63	107949	9.44	ppb	96
47) 1,4-Dioxane	6.912	88	8038m	369.66	ppb	
49) cis-1,3-Dichloropropene	7.467	75	150616	9.76	ppb	96
50) 4-Methyl-2-Pentanone	7.595	43	108273	12.94	ppb	# 86
52) Toluene	7.782	91	466873	9.15	ppb	98
53) trans-1,3-Dichloropropene	8.027	75	116048	9.83	ppb	99

Data Path : C:\msdchem\1\data\092616\
 Data File : V8003744.D
 Acq On : 26 Sep 2016 4:21 pm
 Operator : BK
 Sample : BI61212-BSD1
 Misc : V8092616A Y16I081
 ALS Vial : 4 Sample Multiplier: 1

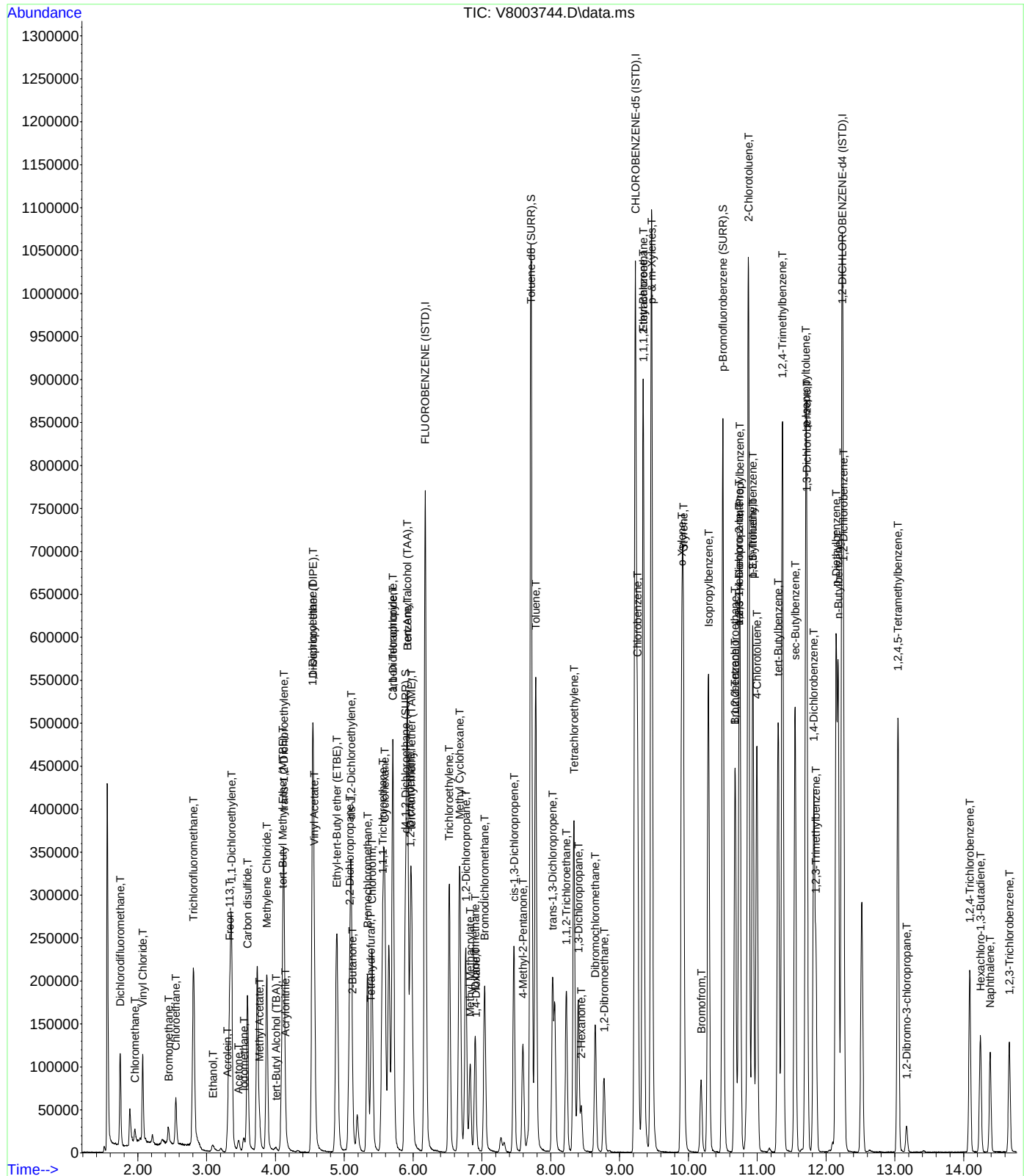
Quant Time: Sep 27 08:21:25 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) 1,1,2-Trichloroethane	8.225	97	72294	10.55	ppb	93
55) 1,3-Dichloropropane	8.401	76	115237	10.54	ppb	# 84
56) Tetrachloroethylene	8.337	166	138337	9.46	ppb	# 70
57) 2-Hexanone	8.443	43	39629	11.98	ppb	# 90
58) Dibromochloromethane	8.646	129	93744	10.67	ppb	97
59) 1,2-Dibromoethane	8.777	107	70179	11.01	ppb	93
60) Chlorobenzene	9.260	112	298911	8.87	ppb	91
61) 1,1,1,2-tetrachloroethane	9.346	131	113360	9.24	ppb	92
62) Ethyl Benzene	9.343	91	515585	9.17	ppb	95
63) p- & m-Xylenes	9.463	91	780742	18.13	ppb	93
64) o-Xylene	9.904	91	382469	8.78	ppb	98
65) Styrene	9.926	104	316834	9.83	ppb	# 77
66) Bromofrom	10.186	173	48884	12.27	ppb	# 85
68) p-Ethyltoluene	10.936	105	405013	8.44	ppb	# 79
69) Isopropylbenzene	10.291	105	479247	8.20	ppb	96
71) 1,1,2,2-Tetrachloroethane	10.676	83	77469	10.27	ppb	# 64
72) Bromobenzene	10.676	77	165944	9.05	ppb	86
73) trans-1,4-Dichloro-2-b...	10.735	75	75510	9.98	ppb	# 80
74) 1,2,3-Trichloropropane	10.735	110	19393	10.32	ppb	# 15
75) n-Propylbenzene	10.746	91	569665	8.15	ppb	98
76) 2-Chlorotoluene	10.874	91	374320	8.04	ppb	97
77) 4-Chlorotoluene	10.997	91	326699	8.08	ppb	98
78) 1,3,5-Trimethylbenzene	10.936	105	405013	8.41	ppb	95
79) tert-Butylbenzene	11.304	119	323701	8.10	ppb	94
80) 1,2,4-Trimethylbenzene	11.365	105	417371	8.59	ppb	# 76
81) sec-Butylbenzene	11.552	105	458968	7.96	ppb	97
82) 1,3-Dichlorobenzene	11.722	146	222932	8.18	ppb	96
83) p-Isopropyltoluene	11.705	119	430867	8.48	ppb	96
84) 1,4-Dichlorobenzene	11.822	146	213207	8.40	ppb	97
85) 1,2,3-Trimethylbenzene	11.853	105	155377	8.64	ppb	99
86) p-Diethylbenzene	12.146	105	231274	8.92	ppb	# 46
87) 1,2-Dichlorobenzene	12.255	146	184456	8.84	ppb	99
88) n-Butylbenzene	12.177	91	446606	8.53	ppb	89
89) 1,2-Dibromo-3-chloropr...	13.169	75	8391	11.27	ppb	# 77
90) 1,2,4,5-Tetramethylben...	13.044	119	327123	9.54	ppb	93
91) 1,2,4-Trichlorobenzene	14.087	180	80863	13.14	ppb	97
92) Hexachloro-1,3-Butadiene	14.246	225	32961	10.67	ppb	95
93) Naphthalene	14.382	128	110728	15.00	ppb	97
94) 1,2,3-Trichlorobenzene	14.664	180	48414	16.84	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\092616\
 Data File : V8003744.D
 Acq On : 26 Sep 2016 4:21 pm
 Operator : BK
 Sample : BI61212-BSD1
 Misc : V8092616A Y16I081
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 27 08:21:25 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration



Data Path : C:\msdchem\1\data\092716\
 Data File : V8003783.D
 Acq On : 27 Sep 2016 11:12 am
 Operator : BK
 Sample : BI61289-BS1
 Misc : V8092716A Y16I081
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 27 15:17:34 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	6.176	70	150478	10.00	ppb	0.00
40) CHLORO BENZENE-d5 (ISTD)	9.229	117	756423	10.00	ppb	0.00
67) 1,2-DICHLORO BENZENE-d4...	12.236	152	327535	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.889	65	171732	10.35	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.50%	
51) Toluene-d8 (SURR)	7.712	98	903580	9.99	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.90%	
70) p-Bromofluorobenzene (...)	10.501	95	336372	9.88	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.80%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.745	85	79195	7.49	ppb	99
3) Chloromethane	1.957	50	8880m	1.34	ppb	
4) Vinyl Chloride	2.074	62	66512	5.19	ppb	98
5) Bromomethane	2.447	94	12045m	4.84	ppb	
6) Chloroethane	2.556	64	49000m	9.08	ppb	
7) Trichlorofluoromethane	2.810	101	212807	10.79	ppb	99
8) Ethanol	3.083	45	8385	740.61	ppb	100
9) Freon-113	3.331	101	107283	9.80	ppb	97
10) 1,1-Dichloroethylene	3.365	61	152903	9.78	ppb	# 89
11) Acrolein	3.304	56	5637	8.82	ppb	93
12) Acetone	3.465	43	13363	7.58	ppb	98
13) Iodomethane	3.535	142	27725m	6.64	ppb	
14) Methyl Acetate	3.766	43	33244	9.80	ppb	100
15) Carbon disulfide	3.596	76	269650	10.25	ppb	100
16) tert-Butyl Alcohol (TBA)	4.006	59	3302	12.60	ppb	# 97
17) Methylene Chloride	3.875	49	131657	9.57	ppb	94
18) Acrylonitrile	4.140	53	15427	9.53	ppb	# 60
19) trans-1,2-Dichloroethy...	4.123	61	150192	9.61	ppb	# 71
20) tert-Butyl Methyl Ethe...	4.101	73	184724	9.59	ppb	# 93
21) 1,1-Dichloroethane	4.542	63	206906	9.86	ppb	# 88
22) Vinyl Acetate	4.564	43	279986	12.12	ppb	100
23) Diisopropyl ether (DIPE)	4.547	45	343404	8.97	ppb	# 95
24) Ethyl-tert-Butyl ether...	4.893	59	257308	8.49	ppb	# 90
25) cis-1,2-Dichloroethylene	5.102	61	172776	9.34	ppb	# 86
26) 2-Butanone	5.113	72	6619m	8.62	ppb	
27) 2,2-Dichloropropane	5.083	77	130534	9.23	ppb	# 88
28) Tetrahydrofuran	5.384	42	11670	9.10	ppb	92
29) Bromochloromethane	5.339	49	74125	10.12	ppb	97
30) Chloroform	5.403	83	197071	9.61	ppb	# 98
31) 1,1,1-Trichloroethane	5.554	97	170000	9.73	ppb	98
32) Cyclohexane	5.585	56	183029	9.81	ppb	90
33) 1,1-Dichloropropylene	5.707	75	150157	9.63	ppb	# 66
35) Carbon Tetrachloride	5.705	117	160764	10.30	ppb	99
36) tert-Amyl alcohol (TAA)	5.914	59	26432	87.06	ppb	# 64
37) 1,2-Dichloroethane	5.961	62	104733	9.39	ppb	# 98
38) Benzene	5.916	78	443202	9.36	ppb	# 95
39) tert-Amyl methyl ether...	5.978	73	212255	8.62	ppb	# 89
41) Trichloroethylene	6.527	95	116756	8.94	ppb	90
42) Methyl Cyclohexane	6.678	83	184613	9.33	ppb	96
43) Methyl Methacrylate	6.828	69	36028	9.47	ppb	# 78
44) Dibromomethane	6.901	93	49064	9.62	ppb	94
45) Bromodichloromethane	7.037	83	133444	9.38	ppb	96
46) 1,2-Dichloropropane	6.767	63	108331	8.94	ppb	96
47) 1,4-Dioxane	6.906	88	4570	171.72	ppb	87
49) cis-1,3-Dichloropropene	7.464	75	145681	8.91	ppb	95
50) 4-Methyl-2-Pentanone	7.595	43	88444	9.97	ppb	# 87
52) Toluene	7.782	91	485069	8.96	ppb	98
53) trans-1,3-Dichloropropene	8.025	75	108616	8.68	ppb	99

Data Path : C:\msdchem\1\data\092716\
 Data File : V8003783.D
 Acq On : 27 Sep 2016 11:12 am
 Operator : BK
 Sample : BI61289-BS1
 Misc : V8092716A Y16I081
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 27 15:17:34 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) 1,1,2-Trichloroethane	8.225	97	66133	9.11	ppb	93
55) 1,3-Dichloropropane	8.398	76	107567	9.28	ppb	# 76
56) Tetrachloroethylene	8.337	166	141091	9.10	ppb	# 70
57) 2-Hexanone	8.446	43	31309	8.93	ppb	# 87
58) Dibromochloromethane	8.647	129	86107	9.25	ppb	96
59) 1,2-Dibromoethane	8.772	107	63379	9.38	ppb	92
60) Chlorobenzene	9.260	112	308137	8.62	ppb	91
61) 1,1,1,2-tetrachloroethane	9.344	131	112944	8.68	ppb	92
62) Ethyl Benzene	9.344	91	539302	9.05	ppb	94
63) p- & m-Xylenes	9.464	91	810599	17.75	ppb	93
64) o-Xylene	9.901	91	393282	8.52	ppb	98
65) Styrene	9.927	104	317547	9.29	ppb	# 77
66) Bromoform	10.186	173	41200	9.86	ppb	# 85
68) p-Ethyltoluene	10.936	105	416802	8.88	ppb	98
69) Isopropylbenzene	10.292	105	502651	8.80	ppb	95
71) 1,1,2,2-Tetrachloroethane	10.679	83	65455	8.88	ppb	# 54
72) Bromobenzene	10.679	77	158316	8.83	ppb	84
73) trans-1,4-Dichloro-2-b...	10.735	75	64790	8.76	ppb	# 73
74) 1,2,3-Trichloropropane	10.735	110	16903	9.20	ppb	# 7
75) n-Propylbenzene	10.746	91	586669	8.59	ppb	98
76) 2-Chlorotoluene	10.875	91	383627	8.43	ppb	98
77) 4-Chlorotoluene	10.995	91	331373	8.38	ppb	98
78) 1,3,5-Trimethylbenzene	11.363	105	421179	8.95	ppb	98
79) tert-Butylbenzene	11.307	119	341580	8.75	ppb	94
80) 1,2,4-Trimethylbenzene	11.363	105	422691	8.90	ppb	# 76
81) sec-Butylbenzene	11.550	105	472169	8.37	ppb	97
82) 1,3-Dichlorobenzene	11.722	146	219586	8.24	ppb	97
83) p-Isopropyltoluene	11.708	119	442652	8.91	ppb	95
84) 1,4-Dichlorobenzene	11.826	146	207549	8.36	ppb	97
85) 1,2,3-Trimethylbenzene	11.851	105	153194	8.72	ppb	98
86) p-Diethylbenzene	12.146	105	236659	9.34	ppb	# 45
87) 1,2-Dichlorobenzene	12.258	146	174175	8.54	ppb	99
88) n-Butylbenzene	12.177	91	456288	8.92	ppb	88
89) 1,2-Dibromo-3-chloropr...	13.172	75	6204	8.52	ppb	# 77
90) 1,2,4,5-Tetramethylben...	13.044	119	307106	9.17	ppb	93
91) 1,2,4-Trichlorobenzene	14.087	180	63139	10.49	ppb	97
92) Hexachloro-1,3-Butadiene	14.246	225	32502	10.76	ppb	95
93) Naphthalene	14.386	128	74785	10.20	ppb	97
94) 1,2,3-Trichlorobenzene	14.664	180	34408	12.02	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\092716\
 Data File : V8003784.D
 Acq On : 27 Sep 2016 11:39 am
 Operator : BK
 Sample : BI61289-BSD1
 Misc : V8092716A Y16I081
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 27 15:18:48 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	6.178	70	152288	10.00	ppb	0.00
40) CHLORO BENZENE-d5 (ISTD)	9.229	117	757168	10.00	ppb	0.00
67) 1,2-DICHLORO BENZENE-d4...	12.235	152	327827	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.888	65	173808	10.35	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.50%	
51) Toluene-d8 (SURR)	7.712	98	909175	10.04	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.40%	
70) p-Bromofluorobenzene (...)	10.501	95	336567	9.87	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.70%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.744	85	75538	7.05	ppb	99
3) Chloromethane	1.956	50	11475m	1.72	ppb	
4) Vinyl Chloride	2.073	62	65186	5.03	ppb	# 89
5) Bromomethane	2.450	94	16392m	5.92	ppb	
6) Chloroethane	2.556	64	48456m	8.87	ppb	
7) Trichlorofluoromethane	2.810	101	205066	10.28	ppb	100
8) Ethanol	3.089	45	10331m	961.52	ppb	
9) Freon-113	3.334	101	103384	9.33	ppb	98
10) 1,1-Dichloroethylene	3.359	61	150847	9.54	ppb	# 89
11) Acrolein	3.298	56	5554	8.58	ppb	90
12) Acetone	3.465	43	13350	7.49	ppb	95
13) Iodomethane	3.538	142	16378	5.28	ppb	99
14) Methyl Acetate	3.769	43	34534	10.06	ppb	100
15) Carbon disulfide	3.593	76	259631	9.75	ppb	100
16) tert-Butyl Alcohol (TBA)	4.014	59	3343	12.61	ppb	# 97
17) Methylene Chloride	3.875	49	131287	9.43	ppb	94
18) Acrylonitrile	4.143	53	14516	8.86	ppb	# 60
19) trans-1,2-Dichloroethy...	4.120	61	150798	9.54	ppb	98
20) tert-Butyl Methyl Ethe...	4.104	73	188221	9.66	ppb	98
21) 1,1-Dichloroethane	4.541	63	206726	9.74	ppb	# 96
22) Vinyl Acetate	4.561	43	290130	12.41	ppb	100
23) Diisopropyl ether (DIPE)	4.544	45	353159	9.11	ppb	98
24) Ethyl-tert-Butyl ether...	4.893	59	268104	8.74	ppb	# 83
25) cis-1,2-Dichloroethylene	5.099	61	174609	9.33	ppb	98
26) 2-Butanone	5.121	72	6520	8.39	ppb	95
27) 2,2-Dichloropropane	5.082	77	128448	8.97	ppb	# 80
28) Tetrahydrofuran	5.386	42	11910	9.18	ppb	# 69
29) Bromochloromethane	5.336	49	74673	10.07	ppb	96
30) Chloroform	5.400	83	201628	9.71	ppb	# 96
31) 1,1,1-Trichloroethane	5.556	97	167601	9.48	ppb	99
32) Cyclohexane	5.584	56	177482	9.40	ppb	91
33) 1,1-Dichloropropylene	5.704	75	147495	9.35	ppb	# 65
35) Carbon Tetrachloride	5.707	117	160268	10.15	ppb	99
36) tert-Amyl alcohol (TAA)	5.919	59	27968	92.80	ppb	92
37) 1,2-Dichloroethane	5.961	62	108825	9.65	ppb	98
38) Benzene	5.916	78	452186	9.44	ppb	# 95
39) tert-Amyl methyl ether...	5.975	73	219743	8.82	ppb	97
41) Trichloroethylene	6.524	95	117718	9.00	ppb	90
42) Methyl Cyclohexane	6.678	83	180917	9.14	ppb	96
43) Methyl Methacrylate	6.825	69	37631	9.88	ppb	# 77
44) Dibromomethane	6.901	93	50234	9.84	ppb	94
45) Bromodichloromethane	7.037	83	136296	9.57	ppb	97
46) 1,2-Dichloropropane	6.764	63	109349	9.01	ppb	96
47) 1,4-Dioxane	6.906	88	5607	226.17	ppb	100
49) cis-1,3-Dichloropropene	7.467	75	150558	9.19	ppb	96
50) 4-Methyl-2-Pentanone	7.592	43	91006	10.25	ppb	# 86
52) Toluene	7.782	91	489805	9.04	ppb	98
53) trans-1,3-Dichloropropene	8.027	75	112240	8.96	ppb	# 88

Data Path : C:\msdchem\1\data\092716\
 Data File : V8003784.D
 Acq On : 27 Sep 2016 11:39 am
 Operator : BK
 Sample : BI61289-BSD1
 Misc : V8092716A Y16I081
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 27 15:18:48 2016
 Quant Method : C:\msdchem\1\methods\V8L00015.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Thu Sep 15 08:36:22 2016
 InstName : VOA No. 8
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) 1,1,2-Trichloroethane	8.225	97	68454	9.42	ppb	92
55) 1,3-Dichloropropane	8.401	76	110570	9.53	ppb #	76
56) Tetrachloroethylene	8.337	166	139310	8.97	ppb	99
57) 2-Hexanone	8.443	43	31691	9.03	ppb #	85
58) Dibromochloromethane	8.646	129	87568	9.39	ppb	96
59) 1,2-Dibromoethane	8.775	107	64987	9.60	ppb	91
60) Chlorobenzene	9.260	112	312523	8.74	ppb	91
61) 1,1,1,2-tetrachloroethane	9.346	131	115374	8.86	ppb	92
62) Ethyl Benzene	9.343	91	544094	9.12	ppb	95
63) p- & m-Xylenes	9.463	91	820471	17.95	ppb	93
64) o-Xylene	9.901	91	396007	8.57	ppb	98
65) Styrene	9.926	104	323154	9.45	ppb #	77
66) Bromofrom	10.186	173	41871	10.00	ppb #	78
68) p-Ethyltoluene	10.936	105	426899	9.09	ppb #	79
69) Isopropylbenzene	10.292	105	506481	8.86	ppb	96
71) 1,1,2,2-Tetrachloroethane	10.679	83	67701	9.18	ppb #	76
72) Bromobenzene	10.676	77	163228	9.10	ppb	85
73) trans-1,4-Dichloro-2-b...	10.732	75	65093	8.79	ppb #	70
74) 1,2,3-Trichloropropane	10.729	110	17491	9.51	ppb #	10
75) n-Propylbenzene	10.746	91	594642	8.70	ppb	98
76) 2-Chlorotoluene	10.874	91	391978	8.60	ppb	97
77) 4-Chlorotoluene	10.992	91	339661	8.59	ppb	98
78) 1,3,5-Trimethylbenzene	10.936	105	426899	9.07	ppb	95
79) tert-Butylbenzene	11.304	119	340445	8.71	ppb	95
80) 1,2,4-Trimethylbenzene	11.365	105	432329	9.09	ppb #	76
81) sec-Butylbenzene	11.549	105	481292	8.53	ppb	97
82) 1,3-Dichlorobenzene	11.719	146	222755	8.35	ppb	97
83) p-Isopropyltoluene	11.708	119	450868	9.07	ppb	96
84) 1,4-Dichlorobenzene	11.823	146	213489	8.59	ppb	96
85) 1,2,3-Trimethylbenzene	11.850	105	157731	8.97	ppb	98
86) p-Diethylbenzene	12.146	105	240627	9.49	ppb #	45
87) 1,2-Dichlorobenzene	12.255	146	177862	8.71	ppb	99
88) n-Butylbenzene	12.174	91	472576	9.23	ppb	89
89) 1,2-Dibromo-3-chloropr...	13.169	75	6425	8.82	ppb #	54
90) 1,2,4,5-Tetramethylben...	13.044	119	327982	9.78	ppb	92
91) 1,2,4-Trichlorobenzene	14.092	180	70677	11.74	ppb	98
92) Hexachloro-1,3-Butadiene	14.243	225	35791	11.84	ppb	95
93) Naphthalene	14.383	128	85786	11.79	ppb	98
94) 1,2,3-Trichlorobenzene	14.667	180	40025	14.13	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260C

MW-98-04

Laboratory: York Analytical Laboratories, Inc.

SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Matrix: Water

Batch: BI61178

Laboratory ID: BI61178-MS1

Preparation: EPA 5030B

Initial/Final: 25 mL / 25 mL

Source Sample Name: MW-98-04

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	ND	9.43	94.3	45 - 161
1,1,1-Trichloroethane	10.0	ND	10.9	109	70 - 146
1,1,2,2-Tetrachloroethane	10.0	ND	8.93	89.3	74 - 121
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	ND	9.47	94.7	21 - 217
1,1,2-Trichloroethane	10.0	ND	9.54	95.4	59 - 146
1,1-Dichloroethane	10.0	ND	10.4	104	54 - 146
1,1-Dichloroethylene	10.0	ND	10.5	105	44 - 165
1,1-Dichloropropylene	10.0	ND	9.72	97.2	82 - 134
1,2,3-Trichlorobenzene	10.0	ND	8.13	81.3	40 - 161
1,2,3-Trichloropropane	10.0	ND	9.35	93.5	74 - 127
1,2,4-Trichlorobenzene	10.0	ND	8.00	80.0	41 - 161
1,2,4-Trimethylbenzene	10.0	ND	9.08	90.8	72 - 129
1,2-Dibromo-3-chloropropane	10.0	ND	8.53	85.3	31 - 151
1,2-Dibromoethane	10.0	ND	9.44	94.4	75 - 125
1,2-Dichlorobenzene	10.0	ND	8.52	85.2	63 - 122
1,2-Dichloroethane	10.0	ND	10.2	102	68 - 131
1,2-Dichloropropane	10.0	ND	9.09	90.9	77 - 121
1,3,5-Trimethylbenzene	10.0	ND	9.21	92.1	69 - 126
1,3-Dichlorobenzene	10.0	ND	8.49	84.9	74 - 119
1,3-Dichloropropane	10.0	ND	9.20	92.0	77 - 119
1,4-Dichlorobenzene	10.0	ND	8.55	85.5	70 - 124
2,2-Dichloropropane	10.0	ND	9.54	95.4	10 - 160
2-Chlorotoluene	10.0	ND	8.59	85.9	70 - 126
2-Hexanone	10.0	ND	7.93	79.3	53 - 133
4-Chlorotoluene	10.0	ND	8.45	84.5	69 - 124
Acetone	10.0	ND	6.54	65.4	13 - 149
Benzene	10.0	ND	10.3	103	38 - 155
Bromobenzene	10.0	ND	8.88	88.8	72 - 122
Bromochloromethane	10.0	ND	9.45	94.5	75 - 121
Bromodichloromethane	10.0	ND	9.43	94.3	70 - 129
Bromoform	10.0	ND	9.43	94.3	66 - 136
Bromomethane	10.0	ND	5.89	58.9	30 - 158

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260C

MW-98-04

Laboratory: York Analytical Laboratories, Inc.

SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Matrix: Water

Batch: BI61178

Laboratory ID: BI61178-MS1

Preparation: EPA 5030B

Initial/Final: 25 mL / 25 mL

Source Sample Name: MW-98-04

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC. #	QC LIMITS REC.
Carbon tetrachloride	10.0	ND	11.1	111	71 - 146
Chlorobenzene	10.0	ND	8.97	89.7	81 - 117
Chloroethane	10.0	ND	9.42	94.2	51 - 145
Chloroform	10.0	ND	10.5	105	80 - 124
Chloromethane	10.0	ND	4.74	47.4	16 - 163
cis-1,2-Dichloroethylene	10.0	ND	9.83	98.3	76 - 125
cis-1,3-Dichloropropylene	10.0	ND	9.02	90.2	58 - 131
Dibromochloromethane	10.0	ND	9.44	94.4	71 - 129
Dibromomethane	10.0	ND	9.94	99.4	76 - 120
Dichlorodifluoromethane	10.0	ND	7.88	78.8	30 - 147
Ethyl Benzene	10.0	ND	9.35	93.5	72 - 128
Hexachlorobutadiene	10.0	ND	8.10	81.0	34 - 166
Isopropylbenzene	10.0	ND	8.91	89.1	66 - 139
Methyl tert-butyl ether (MTBE)	10.0	ND	9.66	96.6	75 - 128
Methylene chloride	10.0	ND	8.73	87.3	57 - 128
Naphthalene	10.0	ND	8.41	84.1	39 - 158
n-Butylbenzene	10.0	ND	8.11	81.1	61 - 138
n-Propylbenzene	10.0	ND	8.46	84.6	66 - 134
o-Xylene	10.0	ND	8.96	89.6	69 - 126
p- & m- Xylenes	20.0	ND	18.4	92.0	67 - 130
p-Isopropyltoluene	10.0	ND	8.92	89.2	64 - 137
sec-Butylbenzene	10.0	ND	8.34	83.4	53 - 155
Styrene	10.0	ND	9.89	98.9	69 - 125
tert-Butylbenzene	10.0	ND	8.89	88.9	65 - 139
Tetrachloroethylene	10.0	2.45	10.4	80.0	64 - 139
Toluene	10.0	ND	9.48	94.8	76 - 123
trans-1,2-Dichloroethylene	10.0	ND	9.83	98.3	79 - 131
trans-1,3-Dichloropropylene	10.0	ND	8.70	87.0	55 - 130
Trichloroethylene	10.0	ND	9.69	96.9	53 - 145
Trichlorofluoromethane	10.0	ND	10.5	105	61 - 142
Vinyl Chloride	10.0	ND	8.94	89.4	31 - 165

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY**EPA 8260C****MW-98-04**Laboratory: York Analytical Laboratories, Inc.SDG: 16I0590Client: Leggette Brashears & Graham Shelton OfficeProject: Rowe IndustriesMatrix: WaterBatch: BI61178Laboratory ID: BI61178-MS1Preparation: EPA 5030BInitial/Final: 25 mL / 25 mLSource Sample Name: MW-98-04

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260C

MW-98-04

Laboratory: York Analytical Laboratories, Inc.

SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Matrix: Water

Batch: BI61178

Laboratory ID: BI61178-MSD1

Preparation: EPA 5030B

Initial/Final: 25 mL / 25 mL

Source Sample Name: MW-98-04

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	10.0	9.25	92.5	1.93	30	45 - 161
1,1,1-Trichloroethane	10.0	10.4	104	4.61	30	70 - 146
1,1,2,2-Tetrachloroethane	10.0	8.73	87.3	2.27	30	74 - 121
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	8.30	83.0	13.2	30	21 - 217
1,1,2-Trichloroethane	10.0	9.12	91.2	4.50	30	59 - 146
1,1-Dichloroethane	10.0	9.91	99.1	4.44	30	54 - 146
1,1-Dichloroethylene	10.0	10.1	101	4.66	30	44 - 165
1,1-Dichloropropylene	10.0	9.48	94.8	2.50	30	82 - 134
1,2,3-Trichlorobenzene	10.0	8.12	81.2	0.123	30	40 - 161
1,2,3-Trichloropropane	10.0	9.01	90.1	3.70	30	74 - 127
1,2,4-Trichlorobenzene	10.0	7.79	77.9	2.66	30	41 - 161
1,2,4-Trimethylbenzene	10.0	8.64	86.4	4.97	30	72 - 129
1,2-Dibromo-3-chloropropane	10.0	8.49	84.9	0.470	30	31 - 151
1,2-Dibromoethane	10.0	9.21	92.1	2.47	30	75 - 125
1,2-Dichlorobenzene	10.0	8.24	82.4	3.34	30	63 - 122
1,2-Dichloroethane	10.0	9.84	98.4	3.10	30	68 - 131
1,2-Dichloropropane	10.0	8.87	88.7	2.45	30	77 - 121
1,3,5-Trimethylbenzene	10.0	8.88	88.8	3.65	30	69 - 126
1,3-Dichlorobenzene	10.0	8.24	82.4	2.99	30	74 - 119
1,3-Dichloropropane	10.0	8.99	89.9	2.31	30	77 - 119
1,4-Dichlorobenzene	10.0	8.14	81.4	4.91	30	70 - 124
2,2-Dichloropropane	10.0	9.13	91.3	4.39	30	10 - 160
2-Chlorotoluene	10.0	8.27	82.7	3.80	30	70 - 126
2-Hexanone	10.0	7.91	79.1	0.253	30	53 - 133
4-Chlorotoluene	10.0	8.04	80.4	4.97	30	69 - 124
Acetone	10.0	6.15	61.5	6.15	30	13 - 149
Benzene	10.0	9.90	99.0	3.57	30	38 - 155
Bromobenzene	10.0	8.46	84.6	4.84	30	72 - 122
Bromochloromethane	10.0	9.21	92.1	2.57	30	75 - 121
Bromodichloromethane	10.0	9.24	92.4	2.04	30	70 - 129
Bromoform	10.0	9.26	92.6	1.82	30	66 - 136
Bromomethane	10.0	5.21	52.1	12.3	30	30 - 158
Carbon tetrachloride	10.0	10.7	107	4.22	30	71 - 146

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260C

MW-98-04

Laboratory: York Analytical Laboratories, Inc.

SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Matrix: Water

Batch: BI61178

Laboratory ID: BI61178-MSD1

Preparation: EPA 5030B

Initial/Final: 25 mL / 25 mL

Source Sample Name: MW-98-04

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Chlorobenzene	10.0	8.62	86.2	3.98	30	81 - 117
Chloroethane	10.0	9.26	92.6	1.71	30	51 - 145
Chloroform	10.0	10.1	101	3.70	30	80 - 124
Chloromethane	10.0	0.630	6.30 *	153 *	30	16 - 163
cis-1,2-Dichloroethylene	10.0	9.41	94.1	4.37	30	76 - 125
cis-1,3-Dichloropropylene	10.0	8.75	87.5	3.04	30	58 - 131
Dibromochloromethane	10.0	9.19	91.9	2.68	30	71 - 129
Dibromomethane	10.0	9.77	97.7	1.73	30	76 - 120
Dichlorodifluoromethane	10.0	6.93	69.3	12.8	30	30 - 147
Ethyl Benzene	10.0	9.05	90.5	3.26	30	72 - 128
Hexachlorobutadiene	10.0	7.60	76.0	6.37	30	34 - 166
Isopropylbenzene	10.0	8.52	85.2	4.48	30	66 - 139
Methyl tert-butyl ether (MTBE)	10.0	9.42	94.2	2.52	30	75 - 128
Methylene chloride	10.0	8.39	83.9	3.97	30	57 - 128
Naphthalene	10.0	8.52	85.2	1.30	30	39 - 158
n-Butylbenzene	10.0	7.65	76.5	5.84	30	61 - 138
n-Propylbenzene	10.0	8.06	80.6	4.84	30	66 - 134
o-Xylene	10.0	8.71	87.1	2.83	30	69 - 126
p- & m- Xylenes	20.0	17.9	89.3	2.98	30	67 - 130
p-Isopropyltoluene	10.0	8.44	84.4	5.53	30	64 - 137
sec-Butylbenzene	10.0	7.96	79.6	4.66	30	53 - 155
Styrene	10.0	9.62	96.2	2.77	30	69 - 125
tert-Butylbenzene	10.0	8.72	87.2	1.93	30	65 - 139
Tetrachloroethylene	10.0	9.76	73.1	9.01	30	64 - 139
Toluene	10.0	9.22	92.2	2.78	30	76 - 123
trans-1,2-Dichloroethylene	10.0	9.46	94.6	3.84	30	79 - 131
trans-1,3-Dichloropropylene	10.0	8.58	85.8	1.39	30	55 - 130
Trichloroethylene	10.0	9.37	93.7	3.36	30	53 - 145
Trichlorofluoromethane	10.0	9.60	96.0	8.86	30	61 - 142
Vinyl Chloride	10.0	8.29	82.9	7.54	30	31 - 165

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260C

MW-58A

Laboratory: York Analytical Laboratories, Inc.

SDG: 1610590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Matrix: Water

Batch: BI61179

Laboratory ID: BI61179-MS1

Preparation: EPA 5030B

Initial/Final: 25 mL / 25 mL

Source Sample Name: MW-58A

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	ND	9.89	98.9	45 - 161
1,1,1-Trichloroethane	10.0	ND	11.4	114	70 - 146
1,1,2,2-Tetrachloroethane	10.0	ND	9.35	93.5	74 - 121
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	ND	8.96	89.6	21 - 217
1,1,2-Trichloroethane	10.0	ND	9.80	98.0	59 - 146
1,1-Dichloroethane	10.0	ND	10.8	108	54 - 146
1,1-Dichloroethylene	10.0	ND	10.2	102	44 - 165
1,1-Dichloropropylene	10.0	ND	9.95	99.5	82 - 134
1,2,3-Trichlorobenzene	10.0	ND	8.11	81.1	40 - 161
1,2,3-Trichloropropane	10.0	ND	9.79	97.9	74 - 127
1,2,4-Trichlorobenzene	10.0	ND	7.68	76.8	41 - 161
1,2,4-Trimethylbenzene	10.0	ND	8.90	89.0	72 - 129
1,2-Dibromo-3-chloropropane	10.0	ND	8.57	85.7	31 - 151
1,2-Dibromoethane	10.0	ND	9.83	98.3	75 - 125
1,2-Dichlorobenzene	10.0	ND	8.53	85.3	63 - 122
1,2-Dichloroethane	10.0	ND	10.6	106	68 - 131
1,2-Dichloropropane	10.0	ND	9.38	93.8	77 - 121
1,3,5-Trimethylbenzene	10.0	ND	8.99	89.9	69 - 126
1,3-Dichlorobenzene	10.0	ND	8.31	83.1	74 - 119
1,3-Dichloropropane	10.0	ND	9.50	95.0	77 - 119
1,4-Dichlorobenzene	10.0	ND	8.32	83.2	70 - 124
2,2-Dichloropropane	10.0	ND	8.97	89.7	10 - 160
2-Chlorotoluene	10.0	ND	8.40	84.0	70 - 126
2-Hexanone	10.0	ND	8.56	85.6	53 - 133
4-Chlorotoluene	10.0	ND	8.07	80.7	69 - 124
Acetone	10.0	0.380	7.07	66.9	13 - 149
Benzene	10.0	ND	10.8	108	38 - 155
Bromobenzene	10.0	ND	8.98	89.8	72 - 122
Bromochloromethane	10.0	ND	9.88	98.8	75 - 121
Bromodichloromethane	10.0	ND	9.82	98.2	70 - 129
Bromoform	10.0	ND	9.84	98.4	66 - 136
Bromomethane	10.0	ND	5.68	56.8	30 - 158

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260C

MW-58A

Laboratory: York Analytical Laboratories, Inc.

SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Matrix: Water

Batch: BI61179

Laboratory ID: BI61179-MS1

Preparation: EPA 5030B

Initial/Final: 25 mL / 25 mL

Source Sample Name: MW-58A

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC. #	QC LIMITS REC.
Carbon tetrachloride	10.0	ND	11.4	114	71 - 146
Chlorobenzene	10.0	ND	9.10	91.0	81 - 117
Chloroethane	10.0	ND	9.77	97.7	51 - 145
Chloroform	10.0	ND	11.0	110	80 - 124
Chloromethane	10.0	ND	0.740	7.40 *	16 - 163
cis-1,2-Dichloroethylene	10.0	ND	10.1	101	76 - 125
cis-1,3-Dichloropropylene	10.0	ND	9.11	91.1	58 - 131
Dibromochloromethane	10.0	ND	9.83	98.3	71 - 129
Dibromomethane	10.0	ND	10.5	105	76 - 120
Dichlorodifluoromethane	10.0	ND	7.66	76.6	30 - 147
Ethyl Benzene	10.0	ND	9.45	94.5	72 - 128
Hexachlorobutadiene	10.0	ND	7.41	74.1	34 - 166
Isopropylbenzene	10.0	ND	8.81	88.1	66 - 139
Methyl tert-butyl ether (MTBE)	10.0	ND	10.3	103	75 - 128
Methylene chloride	10.0	ND	9.17	91.7	57 - 128
Naphthalene	10.0	ND	8.64	86.4	39 - 158
n-Butylbenzene	10.0	ND	7.11	71.1	61 - 138
n-Propylbenzene	10.0	ND	8.02	80.2	66 - 134
o-Xylene	10.0	ND	9.15	91.5	69 - 126
p- & m- Xylenes	20.0	ND	18.4	92.1	67 - 130
p-Isopropyltoluene	10.0	ND	8.40	84.0	64 - 137
sec-Butylbenzene	10.0	ND	8.03	80.3	53 - 155
Styrene	10.0	ND	10.0	100	69 - 125
tert-Butylbenzene	10.0	ND	8.96	89.6	65 - 139
Tetrachloroethylene	10.0	ND	7.59	75.9	64 - 139
Toluene	10.0	ND	9.64	96.4	76 - 123
trans-1,2-Dichloroethylene	10.0	ND	10.0	100	79 - 131
trans-1,3-Dichloropropylene	10.0	ND	8.86	88.6	55 - 130
Trichloroethylene	10.0	ND	9.68	96.8	53 - 145
Trichlorofluoromethane	10.0	ND	10.7	107	61 - 142
Vinyl Chloride	10.0	ND	9.07	90.7	31 - 165

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260C

MW-58A

Laboratory: York Analytical Laboratories, Inc.

SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Matrix: Water

Batch: BI61179

Laboratory ID: BI61179-MS1

Preparation: EPA 5030B

Initial/Final: 25 mL / 25 mL

Source Sample Name: MW-58A

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260C

MW-58A

Laboratory: York Analytical Laboratories, Inc.

SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Matrix: Water

Batch: BI61179

Laboratory ID: BI61179-MSD1

Preparation: EPA 5030B

Initial/Final: 25 mL / 25 mL

Source Sample Name: MW-58A

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	10.0	9.54	95.4	3.60	30	45 - 161
1,1,1-Trichloroethane	10.0	11.2	112	1.59	30	70 - 146
1,1,2,2-Tetrachloroethane	10.0	9.06	90.6	3.15	30	74 - 121
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.34	93.4	4.15	30	21 - 217
1,1,2-Trichloroethane	10.0	9.55	95.5	2.58	30	59 - 146
1,1-Dichloroethane	10.0	10.6	106	1.50	30	54 - 146
1,1-Dichloroethylene	10.0	10.1	101	0.891	30	44 - 165
1,1-Dichloropropylene	10.0	10.2	102	2.68	30	82 - 134
1,2,3-Trichlorobenzene	10.0	8.61	86.1	5.98	30	40 - 161
1,2,3-Trichloropropane	10.0	9.12	91.2	7.09	30	74 - 127
1,2,4-Trichlorobenzene	10.0	8.61	86.1	11.4	30	41 - 161
1,2,4-Trimethylbenzene	10.0	9.44	94.4	5.89	30	72 - 129
1,2-Dibromo-3-chloropropane	10.0	8.52	85.2	0.585	30	31 - 151
1,2-Dibromoethane	10.0	9.50	95.0	3.41	30	75 - 125
1,2-Dichlorobenzene	10.0	8.80	88.0	3.12	30	63 - 122
1,2-Dichloroethane	10.0	10.4	104	2.10	30	68 - 131
1,2-Dichloropropane	10.0	9.08	90.8	3.25	30	77 - 121
1,3,5-Trimethylbenzene	10.0	9.66	96.6	7.18	30	69 - 126
1,3-Dichlorobenzene	10.0	8.84	88.4	6.18	30	74 - 119
1,3-Dichloropropane	10.0	9.21	92.1	3.10	30	77 - 119
1,4-Dichlorobenzene	10.0	8.79	87.9	5.49	30	70 - 124
2,2-Dichloropropane	10.0	8.78	87.8	2.14	30	10 - 160
2-Chlorotoluene	10.0	8.83	88.3	4.99	30	70 - 126
2-Hexanone	10.0	8.04	80.4	6.27	30	53 - 133
4-Chlorotoluene	10.0	8.69	86.9	7.40	30	69 - 124
Acetone	10.0	7.19	68.1	1.78	30	13 - 149
Benzene	10.0	10.5	105	2.07	30	38 - 155
Bromobenzene	10.0	8.90	89.0	0.895	30	72 - 122
Bromochloromethane	10.0	9.57	95.7	3.19	30	75 - 121
Bromodichloromethane	10.0	9.55	95.5	2.79	30	70 - 129
Bromoform	10.0	9.51	95.1	3.41	30	66 - 136
Bromomethane	10.0	6.12	61.2	7.46	30	30 - 158
Carbon tetrachloride	10.0	11.5	115	0.612	30	71 - 146

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260C

MW-58A

Laboratory: York Analytical Laboratories, Inc.

SDG: 16I0590

Client: Leggette Brashears & Graham Shelton Office

Project: Rowe Industries

Matrix: Water

Batch: BI61179

Laboratory ID: BI61179-MSD1

Preparation: EPA 5030B

Initial/Final: 25 mL / 25 mL

Source Sample Name: MW-58A

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Chlorobenzene	10.0	9.20	92.0	1.09	30	81 - 117
Chloroethane	10.0	9.93	99.3	1.62	30	51 - 145
Chloroform	10.0	10.9	109	1.09	30	80 - 124
Chloromethane	10.0	4.31	43.1	141 *	30	16 - 163
cis-1,2-Dichloroethylene	10.0	9.81	98.1	2.91	30	76 - 125
cis-1,3-Dichloropropylene	10.0	8.90	89.0	2.33	30	58 - 131
Dibromochloromethane	10.0	9.43	94.3	4.15	30	71 - 129
Dibromomethane	10.0	10.2	102	3.19	30	76 - 120
Dichlorodifluoromethane	10.0	8.21	82.1	6.93	30	30 - 147
Ethyl Benzene	10.0	9.70	97.0	2.61	30	72 - 128
Hexachlorobutadiene	10.0	8.59	85.9	14.8	30	34 - 166
Isopropylbenzene	10.0	9.22	92.2	4.55	30	66 - 139
Methyl tert-butyl ether (MTBE)	10.0	9.78	97.8	4.89	30	75 - 128
Methylene chloride	10.0	8.86	88.6	3.44	30	57 - 128
Naphthalene	10.0	8.65	86.5	0.116	30	39 - 158
n-Butylbenzene	10.0	8.71	87.1	20.2	30	61 - 138
n-Propylbenzene	10.0	8.83	88.3	9.61	30	66 - 134
o-Xylene	10.0	9.20	92.0	0.545	30	69 - 126
p- & m- Xylenes	20.0	19.2	96.1	4.25	30	67 - 130
p-Isopropyltoluene	10.0	9.48	94.8	12.1	30	64 - 137
sec-Butylbenzene	10.0	8.81	88.1	9.26	30	53 - 155
Styrene	10.0	9.94	99.4	0.901	30	69 - 125
tert-Butylbenzene	10.0	9.32	93.2	3.94	30	65 - 139
Tetrachloroethylene	10.0	8.39	83.9	10.0	30	64 - 139
Toluene	10.0	9.64	96.4	0.00	30	76 - 123
trans-1,2-Dichloroethylene	10.0	10.2	102	1.68	30	79 - 131
trans-1,3-Dichloropropylene	10.0	8.55	85.5	3.56	30	55 - 130
Trichloroethylene	10.0	9.94	99.4	2.65	30	53 - 145
Trichlorofluoromethane	10.0	11.2	112	4.12	30	61 - 142
Vinyl Chloride	10.0	9.25	92.5	1.97	30	31 - 165

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Data Path : C:\msdchem\1\data\V7092316\
 Data File : V710663.D
 Acq On : 24 Sep 2016 2:02 am
 InstName : MSVOA7
 Operator : SS
 Sample : BI61178-MS1
 Misc : QBV7092316B 16I0590-02 D
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 26 13:19:51 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.987	70	62567	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.019	117	280719	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	123376	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	66873	10.02	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	100.20%	
51) Toluene-d8 (SURR)	7.517	98	342380	9.81	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	98.10%	
70) p-Bromofluorobenzene (...)	10.285	95	137405	9.92	ppb	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	99.20%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.627	85	47618	7.88	ppb	100
3) Chloromethane	1.847	50	27392	4.74	ppb	99
4) Vinyl Chloride	1.939	62	65687	8.94	ppb	100
5) Bromomethane	2.297	94	4055	5.89	ppb	97
6) Chloroethane	2.409	64	39215	9.42	ppb	99
7) Trichlorofluoromethane	2.662	101	87148	10.49	ppb	99
8) Ethanol	2.918	45	7781	334.91	ppb	100
9) Freon-113	3.171	101	60037	9.47	ppb	# 79
10) 1,1-Dichloroethylene	3.193	61	96854	10.54	ppb	93
11) Acrolein	3.129	56	5553	6.81	ppb	96
12) Acetone	3.291	43	10457	6.54	ppb	98
13) Iodomethane	3.366	142	9721	6.54	ppb	98
14) Methyl Acetate	3.591	43	25626	7.69	ppb	98
15) Carbon disulfide	3.424	76	210580	10.43	ppb	100
16) tert-Butyl Alcohol (TBA)	3.830	59	6935m	14.51	ppb	
17) Methylene Chloride	3.700	49	82568	8.73	ppb	91
18) Acrylonitrile	3.972	53	11531	7.11	ppb	88
19) trans-1,2-Dichloroethy...	3.945	61	97414	9.83	ppb	99
20) tert-Butyl Methyl Ethe...	3.928	73	181330	9.66	ppb	# 91
21) 1,1-Dichloroethane	4.365	63	132096	10.36	ppb	# 87
22) Vinyl Acetate	4.387	43	174533	9.15	ppb	# 100
23) Diisopropyl ether (DIPE)	4.370	45	209409	9.41	ppb	98
24) Ethyl-tert-Butyl ether...	4.712	59	194244	8.59	ppb	# 98
25) cis-1,2-Dichloroethylene	4.916	61	111779	9.83	ppb	97
26) 2-Butanone	4.941	72	5012	6.58	ppb	99
27) 2,2-Dichloropropane	4.896	77	89390	9.54	ppb	# 100
28) Tetrahydrofuran	5.188	71	5736m	10.06	ppb	
29) Bromochloromethane	5.155	49	45946	9.45	ppb	# 66
30) Chloroform	5.219	83	127678	10.46	ppb	# 100
31) 1,1,1-Trichloroethane	5.372	97	109377	10.87	ppb	99
32) Cyclohexane	5.400	56	115695	9.30	ppb	93
33) 1,1-Dichloropropylene	5.522	75	97984	9.72	ppb	93
35) Carbon Tetrachloride	5.519	117	92931	11.12	ppb	100
36) tert-Amyl alcohol (TAA)	5.736	59	28974	60.56	ppb	97
37) 1,2-Dichloroethane	5.772	62	77063	10.15	ppb	99
38) Benzene	5.728	78	314432	10.26	ppb	95
39) tert-Amyl methyl ether...	5.789	73	175845	8.27	ppb	# 100
41) Trichloroethylene	6.334	95	79443	9.69	ppb	96
42) Methyl Cyclohexane	6.488	83	115721	8.48	ppb	92
43) Methyl Methacrylate	6.641	69	40350	9.05	ppb	# 99
44) Dibromomethane	6.705	93	38891	9.94	ppb	97
45) Bromodichloromethane	6.844	83	91726	9.43	ppb	98
46) 1,2-Dichloropropane	6.574	63	77518	9.09	ppb	98
47) 1,4-Dioxane	6.716	88	7652	186.56	ppb	90
48) 2-Chloroethyl vinyl ether	7.475	63	953	0.33	ppb	# 100
49) cis-1,3-Dichloropropene	7.269	75	117389	9.02	ppb	91
50) 4-Methyl-2-Pentanone	7.400	43	75038	8.31	ppb	91
52) Toluene	7.584	91	329964	9.48	ppb	100

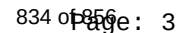
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 Data File : V710663.D
 Acq On : 24 Sep 2016 2:02 am
 InstName : MSVOA7
 Operator : SS
 Sample : BI61178-MS1
 Misc : QBV7092316B 16I0590-02 D
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 26 13:19:51 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) trans-1,3-Dichloropropene	7.829	75	94503	8.70	ppb	# 86
54) 1,1,2-Trichloroethane	8.026	97	58341	9.54	ppb	96
55) 1,3-Dichloropropane	8.199	76	100748	9.20	ppb	# 70
56) Tetrachloroethylene	8.137	166	119098	10.45	ppb	# 100
57) 2-Hexanone	8.246	43	27249	7.93	ppb	88
58) Dibromochloromethane	8.441	129	66465	9.44	ppb	98
59) 1,2-Dibromoethane	8.566	107	56691	9.44	ppb	100
60) Chlorobenzene	9.050	112	206615	8.97	ppb	97
61) 1,1,1,2-tetrachloroethane	9.139	131	74090	9.43	ppb	98
62) Ethyl Benzene	9.136	91	347866	9.35	ppb	100
63) p- & m-Xylenes	9.259	91	515321	18.40	ppb	98
64) o-Xylene	9.695	91	260133	8.96	ppb	99
65) Styrene	9.718	104	229452	9.89	ppb	# 100
66) Bromoform	9.968	173	37646	9.43	ppb	# 76
68) p-Ethyltoluene	10.719	105	271533	9.21	ppb	# 100
69) Isopropylbenzene	10.079	105	323629	8.91	ppb	97
71) 1,1,2,2-Tetrachloroethane	10.463	83	61284	8.93	ppb	# 100
72) Bromobenzene	10.458	77	124591	8.88	ppb	98
73) trans-1,4-Dichloro-2-b...	10.516	75	62591	8.52	ppb	82
74) 1,2,3-Trichloropropane	10.513	110	17771	9.35	ppb	75
75) n-Propylbenzene	10.533	91	352495	8.46	ppb	99
76) 2-Chlorotoluene	10.655	91	241176	8.59	ppb	99
77) 4-Chlorotoluene	10.775	91	219731	8.45	ppb	100
78) 1,3,5-Trimethylbenzene	10.719	105	271533	9.21	ppb	99
79) tert-Butylbenzene	11.087	119	219691	8.89	ppb	97
80) 1,2,4-Trimethylbenzene	11.145	105	273073	9.08	ppb	99
81) sec-Butylbenzene	11.331	105	293031	8.34	ppb	97
82) 1,3-Dichlorobenzene	11.498	146	142376	8.49	ppb	98
83) p-Isopropyltoluene	11.487	119	270721	8.92	ppb	98
84) 1,4-Dichlorobenzene	11.598	146	146809	8.55	ppb	99
85) 1,2,3-Trimethylbenzene	11.629	105	116912m	9.29	ppb	
86) p-Diethylbenzene	11.921	105	142692	8.69	ppb	96
87) 1,2-Dichlorobenzene	12.027	146	130749	8.52	ppb	# 100
88) n-Butylbenzene	11.955	91	252134	8.11	ppb	97
89) 1,2-Dibromo-3-chloropr...	12.931	75	7785	8.53	ppb	95
90) 1,2,4,5-Tetramethylben...	12.814	119	232906	8.35	ppb	99
91) 1,2,4-Trichlorobenzene	13.847	180	71576	8.00	ppb	97
92) Hexachloro-1,3-Butadiene	14.008	225	32065	8.10	ppb	96
93) Naphthalene	14.139	128	137584	8.41	ppb	100
94) 1,2,3-Trichlorobenzene	14.417	180	56189	8.13	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Sep 26 13:19:51 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\V7092316\
 Data File : V710664.D
 Acq On : 24 Sep 2016 2:28 am
 InstName : MSVOA7
 Operator : SS
 Sample : BI61178-MSD1
 Misc : QBV7092316B 16I0590-02 G
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 26 13:20:18 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.987	70	63845	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.019	117	283768	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.007	152	126064	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	69393	10.19	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.90%	
51) Toluene-d8 (SURR)	7.517	98	346573	9.82	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.20%	
70) p-Bromofluorobenzene (...)	10.285	95	138449	9.78	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.80%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.627	85	42706	6.93	ppb	100
3) Chloromethane	1.822	50	3727	0.63	ppb	91
4) Vinyl Chloride	1.938	62	62178	8.29	ppb	# 86
5) Bromomethane	2.297	94	2978	5.21	ppb	99
6) Chloroethane	2.406	64	39347	9.26	ppb	100
7) Trichlorofluoromethane	2.656	101	81388	9.60	ppb	100
8) Ethanol	2.909	45	6686	282.02	ppb	100
9) Freon-113	3.168	101	53727	8.30	ppb	100
10) 1,1-Dichloroethylene	3.193	61	94306	10.06	ppb	90
11) Acrolein	3.126	56	5362	6.44	ppb	97
12) Acetone	3.288	43	10031	6.15	ppb	99
13) Iodomethane	3.366	142	8320	6.13	ppb	99
14) Methyl Acetate	3.594	43	25673	7.55	ppb	99
15) Carbon disulfide	3.421	76	212309	10.31	ppb	100
16) tert-Butyl Alcohol (TBA)	3.822	59	8089m	16.59	ppb	
17) Methylene Chloride	3.702	49	80966	8.39	ppb	90
18) Acrylonitrile	3.969	53	11306	6.83	ppb	88
19) trans-1,2-Dichloroethy...	3.944	61	95607	9.46	ppb	98
20) tert-Butyl Methyl Ethe...	3.930	73	180437	9.42	ppb	99
21) 1,1-Dichloroethane	4.362	63	128880	9.91	ppb	100
22) Vinyl Acetate	4.390	43	171660	8.82	ppb	# 100
23) Diisopropyl ether (DIPE)	4.367	45	202509	8.91	ppb	98
24) Ethyl-tert-Butyl ether...	4.712	59	193621	8.39	ppb	# 99
25) cis-1,2-Dichloroethylene	4.915	61	109166	9.41	ppb	98
26) 2-Butanone	4.943	72	5855	7.53	ppb	# 77
27) 2,2-Dichloropropane	4.896	77	87347	9.13	ppb	# 100
28) Tetrahydrofuran	5.194	71	5393	9.27	ppb	# 1
29) Bromochloromethane	5.149	49	45681	9.21	ppb	95
30) Chloroform	5.219	83	125467	10.08	ppb	# 68
31) 1,1,1-Trichloroethane	5.369	97	106659	10.38	ppb	# 74
32) Cyclohexane	5.402	56	108910	8.58	ppb	94
33) 1,1-Dichloropropylene	5.525	75	97470	9.48	ppb	92
35) Carbon Tetrachloride	5.516	117	90952	10.66	ppb	100
36) tert-Amyl alcohol (TAA)	5.733	59	38331	78.51	ppb	91
37) 1,2-Dichloroethane	5.770	62	76259	9.84	ppb	99
38) Benzene	5.728	78	309491	9.90	ppb	95
39) tert-Amyl methyl ether...	5.795	73	181177	8.35	ppb	# 100
41) Trichloroethylene	6.334	95	77680	9.37	ppb	96
42) Methyl Cyclohexane	6.487	83	105477	7.64	ppb	92
43) Methyl Methacrylate	6.640	69	39155	8.69	ppb	# 99
44) Dibromomethane	6.707	93	38650	9.77	ppb	98
45) Bromodichloromethane	6.843	83	90860	9.24	ppb	98
46) 1,2-Dichloropropane	6.568	63	76396	8.87	ppb	99
47) 1,4-Dioxane	6.713	88	4621	111.45	ppb	95
48) 2-Chloroethyl vinyl ether	7.472	63	1063	0.37	ppb	# 100
49) cis-1,3-Dichloropropene	7.269	75	115141	8.75	ppb	91
50) 4-Methyl-2-Pentanone	7.403	43	74478	8.16	ppb	91
52) Toluene	7.584	91	324278	9.22	ppb	100

Data Path : C:\msdchem\1\data\V7092316\
 Data File : V710664.D
 Acq On : 24 Sep 2016 2:28 am
 InstName : MSVOA7
 Operator : SS
 Sample : BI61178-MSD1
 Misc : QBV7092316B 16I0590-02 G
 ALS Vial : 40 Sample Multiplier: 1

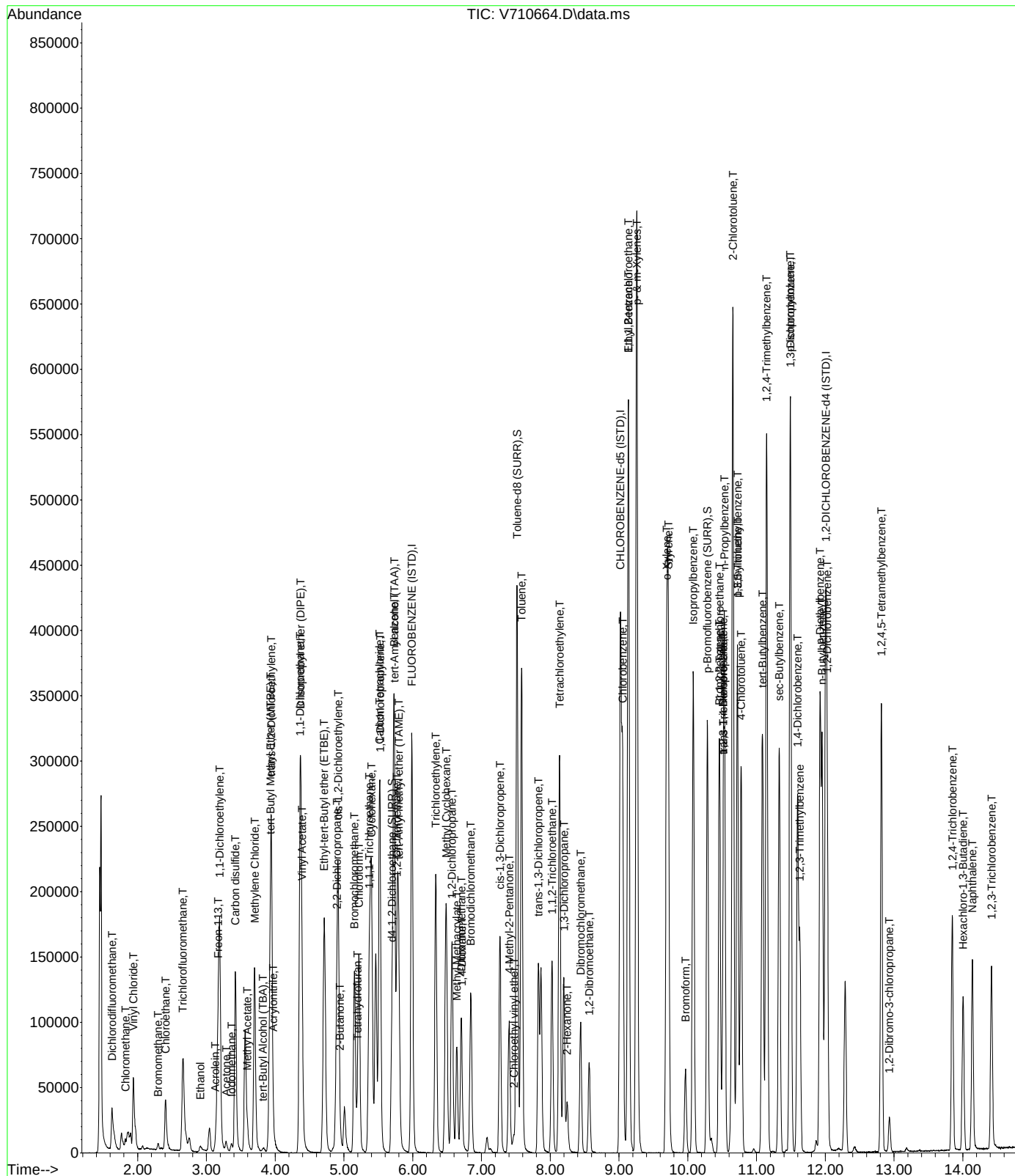
Quant Time: Sep 26 13:20:18 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) trans-1,3-Dichloropropene	7.828	75	94211	8.58	ppb	# 86
54) 1,1,2-Trichloroethane	8.026	97	56373	9.12	ppb	96
55) 1,3-Dichloropropane	8.198	76	99576	8.99	ppb	# 70
56) Tetrachloroethylene	8.134	166	112454	9.76	ppb	# 100
57) 2-Hexanone	8.246	43	27471	7.91	ppb	86
58) Dibromochloromethane	8.443	129	65448	9.19	ppb	99
59) 1,2-Dibromoethane	8.566	107	55890	9.21	ppb	98
60) Chlorobenzene	9.053	112	200716	8.62	ppb	98
61) 1,1,1,2-tetrachloroethane	9.136	131	73455	9.25	ppb	99
62) Ethyl Benzene	9.136	91	340317	9.05	ppb	100
63) p- & m-Xylenes	9.258	91	505773	17.86	ppb	98
64) o-Xylene	9.693	91	255566	8.71	ppb	99
65) Styrene	9.718	104	225587	9.62	ppb	# 100
66) Bromoform	9.968	173	37370	9.26	ppb	# 76
68) p-Ethyltoluene	10.722	105	267543	8.88	ppb	# 100
69) Isopropylbenzene	10.079	105	316482	8.52	ppb	97
71) 1,1,2,2-Tetrachloroethane	10.463	83	61241	8.73	ppb	# 100
72) Bromobenzene	10.458	77	121211	8.46	ppb	98
73) trans-1,4-Dichloro-2-b...	10.516	75	63067	8.40	ppb	82
74) 1,2,3-Trichloropropane	10.516	110	17501	9.01	ppb	75
75) n-Propylbenzene	10.533	91	343202	8.06	ppb	99
76) 2-Chlorotoluene	10.655	91	237324	8.27	ppb	100
77) 4-Chlorotoluene	10.775	91	213426	8.04	ppb	100
78) 1,3,5-Trimethylbenzene	10.722	105	267543	8.88	ppb	98
79) tert-Butylbenzene	11.086	119	220232	8.72	ppb	96
80) 1,2,4-Trimethylbenzene	11.145	105	265571	8.64	ppb	99
81) sec-Butylbenzene	11.331	105	285715	7.96	ppb	97
82) 1,3-Dichlorobenzene	11.495	146	141119	8.24	ppb	99
83) p-Isopropyltoluene	11.490	119	261624	8.44	ppb	98
84) 1,4-Dichlorobenzene	11.596	146	142956	8.14	ppb	99
85) 1,2,3-Trimethylbenzene	11.629	105	113205	8.81	ppb	# 1
86) p-Diethylbenzene	11.924	105	135444	8.07	ppb	96
87) 1,2-Dichlorobenzene	12.027	146	129316	8.24	ppb	# 100
88) n-Butylbenzene	11.952	91	242806	7.65	ppb	98
89) 1,2-Dibromo-3-chloropr...	12.928	75	7920	8.49	ppb	95
90) 1,2,4,5-Tetramethylben...	12.817	119	227701	7.99	ppb	99
91) 1,2,4-Trichlorobenzene	13.849	180	71277	7.79	ppb	98
92) Hexachloro-1,3-Butadiene	14.005	225	30746	7.60	ppb	98
93) Naphthalene	14.139	128	142395	8.52	ppb	100
94) 1,2,3-Trichlorobenzene	14.417	180	57377	8.12	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\V7092316\
Data File : V710664.D
Acq On : 24 Sep 2016 2:28 am
InstName : MSV0A7
Operator : SS
Sample : BI61178-MSD1
Misc : QBV7092316B 16I0590-02 G
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 26 13:20:18 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration



Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710677.D
 Acq On : 24 Sep 2016 8:07 am
 InstName : MSVOA7
 Operator : SS
 Sample : BI61179-MS1
 Misc : QBV7092316B 16I0590-18 D
 ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 26 10:46:12 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.989	70	60436	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.019	117	275353	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.007	152	123940	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.700	65	66089	10.25	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.50%	
51) Toluene-d8 (SURR)	7.517	98	333087	9.73	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.30%	
70) p-Bromofluorobenzene (...)	10.285	95	133969	9.62	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.20%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.627	85	44714	7.66	ppb	100
3) Chloromethane	1.816	50	4160	0.74	ppb	98
4) Vinyl Chloride	1.939	62	64406	9.07	ppb	100
5) Bromomethane	2.297	94	3572	5.68	ppb	98
6) Chloroethane	2.406	64	39317	9.77	ppb	99
7) Trichlorofluoromethane	2.662	101	85844	10.70	ppb	100
8) Ethanol	2.915	45	6508	289.99	ppb	100
9) Freon-113	3.171	101	54890	8.96	ppb	# 68
10) 1,1-Dichloroethylene	3.193	61	90103	10.15	ppb	93
11) Acrolein	3.127	56	5775	7.33	ppb	98
12) Acetone	3.285	43	10909	7.07	ppb	93
13) Iodomethane	3.366	142	10255	6.78	ppb	98
14) Methyl Acetate	3.591	43	25501	7.92	ppb	96
15) Carbon disulfide	3.421	76	205996	10.56	ppb	100
16) tert-Butyl Alcohol (TBA)	3.764	59	366	0.79	ppb	71
17) Methylene Chloride	3.697	49	83853	9.17	ppb	90
18) Acrylonitrile	3.972	53	12173	7.77	ppb	92
19) trans-1,2-Dichloroethy...	3.947	61	96173	10.05	ppb	# 88
20) tert-Butyl Methyl Ethe...	3.928	73	186243	10.27	ppb	99
21) 1,1-Dichloroethane	4.362	63	132734	10.78	ppb	100
22) Vinyl Acetate	4.387	43	167537	9.10	ppb	# 100
23) Diisopropyl ether (DIPE)	4.370	45	209887	9.76	ppb	98
24) Ethyl-tert-Butyl ether...	4.712	59	197746	9.06	ppb	# 98
25) cis-1,2-Dichloroethylene	4.916	61	110876	10.10	ppb	97
26) 2-Butanone	4.935	72	5319	7.23	ppb	93
27) 2,2-Dichloropropane	4.893	77	81233	8.97	ppb	# 100
28) Tetrahydrofuran	5.197	71	5831	10.59	ppb	# 74
29) Bromochloromethane	5.152	49	46415	9.88	ppb	93
30) Chloroform	5.219	83	129871	11.02	ppb	# 99
31) 1,1,1-Trichloroethane	5.369	97	110920	11.41	ppb	# 87
32) Cyclohexane	5.400	56	114991	9.57	ppb	93
33) 1,1-Dichloropropylene	5.519	75	96905	9.95	ppb	93
35) Carbon Tetrachloride	5.519	117	92058	11.40	ppb	100
36) tert-Amyl alcohol (TAA)	5.736	59	32094	69.44	ppb	98
37) 1,2-Dichloroethane	5.772	62	77762	10.60	ppb	100
38) Benzene	5.728	78	318600	10.76	ppb	96
39) tert-Amyl methyl ether...	5.789	73	186154	9.06	ppb	# 100
41) Trichloroethylene	6.334	95	77890	9.68	ppb	95
42) Methyl Cyclohexane	6.490	83	105694	7.89	ppb	92
43) Methyl Methacrylate	6.643	69	41784	9.55	ppb	# 99
44) Dibromomethane	6.707	93	40322	10.51	ppb	97
45) Bromodichloromethane	6.844	83	93707	9.82	ppb	99
46) 1,2-Dichloropropane	6.571	63	78394	9.38	ppb	99
47) 1,4-Dioxane	6.716	88	8317	206.72	ppb	# 71
48) 2-Chloroethyl vinyl ether	7.470	63	714	0.25	ppb	# 100
49) cis-1,3-Dichloropropene	7.269	75	116251	9.11	ppb	91
50) 4-Methyl-2-Pentanone	7.400	43	77473	8.74	ppb	91
52) Toluene	7.584	91	328993	9.64	ppb	100

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710677.D
 Acq On : 24 Sep 2016 8:07 am
 InstName : MSVOA7
 Operator : SS
 Sample : BI61179-MS1
 Misc : QBV7092316B 16I0590-18 D
 ALS Vial : 53 Sample Multiplier: 1

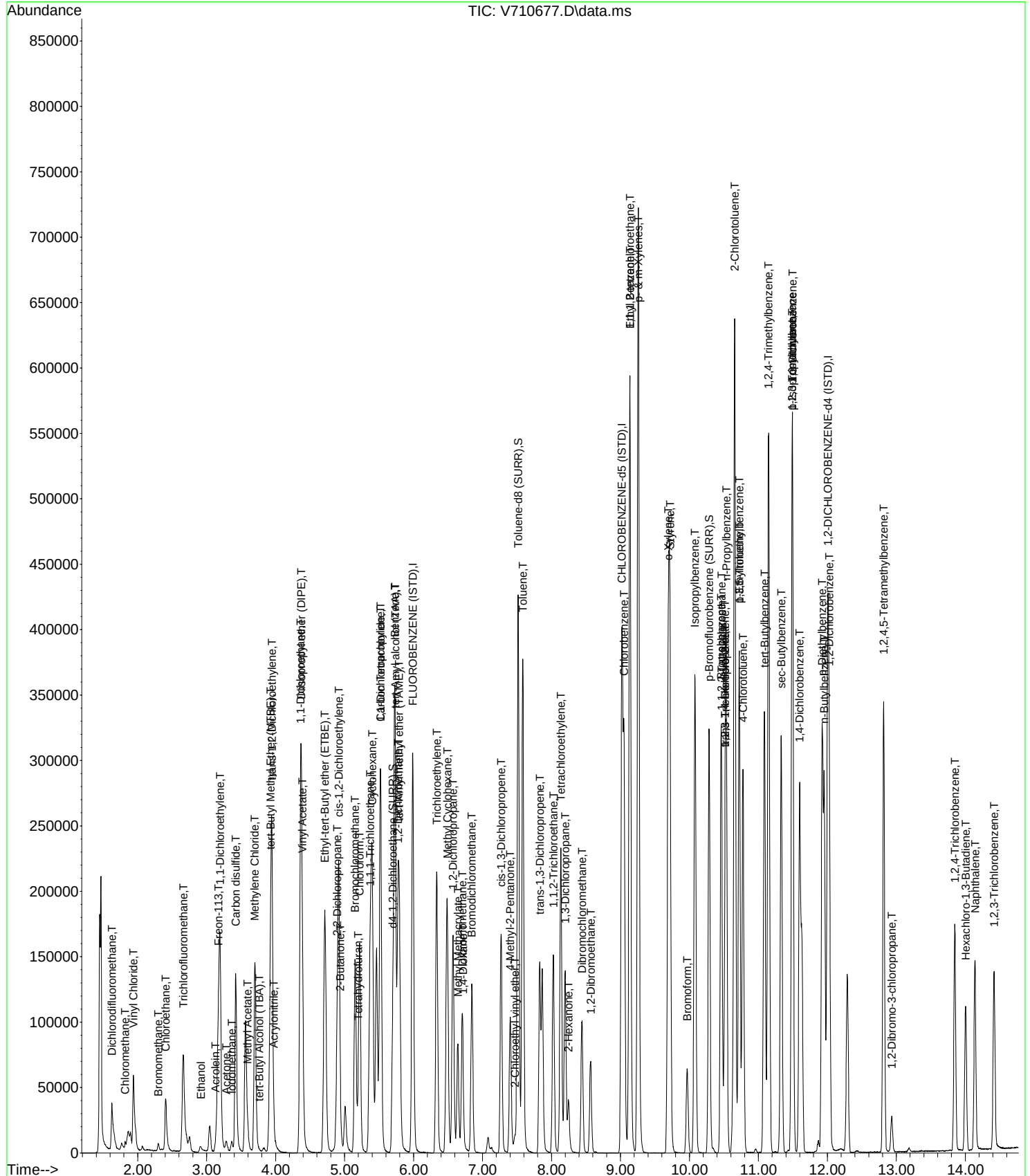
Quant Time: Sep 26 10:46:12 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) trans-1,3-Dichloropropene	7.831	75	94455	8.86	ppb	# 100
54) 1,1,2-Trichloroethane	8.026	97	58771	9.80	ppb	97
55) 1,3-Dichloropropane	8.199	76	102074	9.50	ppb	# 70
56) Tetrachloroethylene	8.137	166	84894	7.59	ppb	# 100
57) 2-Hexanone	8.246	43	28836	8.56	ppb	86
58) Dibromochloromethane	8.443	129	67887	9.83	ppb	97
59) 1,2-Dibromoethane	8.569	107	57886	9.83	ppb	98
60) Chlorobenzene	9.050	112	205615	9.10	ppb	98
61) 1,1,1,2-tetrachloroethane	9.136	131	76254	9.89	ppb	99
62) Ethyl Benzene	9.136	91	344909	9.45	ppb	99
63) p- & m-Xylenes	9.259	91	506205	18.42	ppb	98
64) o-Xylene	9.693	91	260565	9.15	ppb	99
65) Styrene	9.718	104	228257	10.03	ppb	# 100
66) Bromoform	9.965	173	38540	9.84	ppb	# 100
68) p-Ethyltoluene	10.722	105	266447	8.99	ppb	# 100
69) Isopropylbenzene	10.079	105	321460	8.81	ppb	97
71) 1,1,2,2-Tetrachloroethane	10.466	83	64459	9.35	ppb	# 99
72) Bromobenzene	10.461	77	126585	8.98	ppb	98
73) trans-1,4-Dichloro-2-b...	10.516	75	64102	8.69	ppb	81
74) 1,2,3-Trichloropropane	10.516	110	18694	9.79	ppb	72
75) n-Propylbenzene	10.533	91	335631	8.02	ppb	99
76) 2-Chlorotoluene	10.655	91	236850	8.40	ppb	99
77) 4-Chlorotoluene	10.778	91	210608	8.07	ppb	100
78) 1,3,5-Trimethylbenzene	10.722	105	266447	8.99	ppb	99
79) tert-Butylbenzene	11.089	119	222292	8.96	ppb	96
80) 1,2,4-Trimethylbenzene	11.145	105	268881	8.90	ppb	98
81) sec-Butylbenzene	11.331	105	283413	8.03	ppb	97
82) 1,3-Dichlorobenzene	11.496	146	139934	8.31	ppb	99
83) p-Isopropyltoluene	11.487	119	255943	8.40	ppb	97
84) 1,4-Dichlorobenzene	11.596	146	143596	8.32	ppb	99
85) 1,2,3-Trimethylbenzene	11.487	105	8588	0.68	ppb	90
86) p-Diethylbenzene	11.924	105	128361	7.78	ppb	94
87) 1,2-Dichlorobenzene	12.027	146	131550	8.53	ppb	# 100
88) n-Butylbenzene	11.952	91	221857	7.11	ppb	96
89) 1,2-Dibromo-3-chloropr...	12.934	75	7855	8.57	ppb	# 65
90) 1,2,4,5-Tetramethylben...	12.817	119	224237	8.00	ppb	99
91) 1,2,4-Trichlorobenzene	13.849	180	69010	7.68	ppb	99
92) Hexachloro-1,3-Butadiene	14.008	225	29464	7.41	ppb	99
93) Naphthalene	14.141	128	141915	8.64	ppb	99
94) 1,2,3-Trichlorobenzene	14.420	180	56347	8.11	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path   : G:\MSVOA7 V7\DAILY DATA\V7092316\  
Data File  : V710677.D  
Acq On     : 24 Sep 2016      8:07 am  
InstName   : MSVOA7  
Operator   : SS  
Sample     : BI61179-MS1  
Misc       : QBV7092316B 16I0590-18 D  
ALS Vial   : 53      Sample Multiplier: 1
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Quant Time: Sep 26 10:46:12 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration



Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710678.D
 Acq On : 24 Sep 2016 8:32 am
 InstName : MSVOA7
 Operator : SS
 Sample : BI61179-MSD1
 Misc : QBV7092316B 16I0590-18 G
 ALS Vial : 54 Sample Multiplier: 1

Quant Time: Sep 26 10:46:18 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) FLUOROBENZENE (ISTD)	5.987	70	59799	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	9.022	117	272987	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	12.005	152	121809	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.697	65	66006	10.35	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.50%		
51) Toluene-d8 (SURR)	7.517	98	330464	9.74	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.40%		
70) p-Bromofluorobenzene (...)	10.285	95	133133	9.73	ppb	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.30%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.627	85	47427	8.21	ppb	# 86
3) Chloromethane	1.858	50	23832	4.31	ppb	95
4) Vinyl Chloride	1.939	62	64978	9.25	ppb	100
5) Bromomethane	2.300	94	4240	6.12	ppb	99
6) Chloroethane	2.406	64	39506	9.93	ppb	100
7) Trichlorofluoromethane	2.662	101	88551	11.15	ppb	100
8) Ethanol	2.912	45	6347	285.83	ppb	100
9) Freon-113	3.168	101	56589	9.34	ppb	99
10) 1,1-Dichloroethylene	3.193	61	88339	10.06	ppb	94
11) Acrolein	3.129	56	5259	6.75	ppb	98
12) Acetone	3.282	43	10988	7.19	ppb	# 92
13) Iodomethane	3.363	142	13970	7.84	ppb	99
14) Methyl Acetate	3.591	43	24475	7.68	ppb	99
15) Carbon disulfide	3.422	76	215056	11.15	ppb	100
16) tert-Butyl Alcohol (TBA)	3.744	59	282	0.62	ppb	72
17) Methylene Chloride	3.700	49	80095	8.86	ppb	89
18) Acrylonitrile	3.970	53	12431	8.01	ppb	92
19) trans-1,2-Dichloroethy...	3.945	61	96817	10.22	ppb	98
20) tert-Butyl Methyl Ethe...	3.928	73	175444	9.78	ppb	# 92
21) 1,1-Dichloroethane	4.362	63	129356	10.62	ppb	# 87
22) Vinyl Acetate	4.387	43	161609	8.87	ppb	# 100
23) Diisopropyl ether (DIPE)	4.370	45	199555	9.38	ppb	# 95
24) Ethyl-tert-Butyl ether...	4.713	59	185793	8.60	ppb	# 98
25) cis-1,2-Dichloroethylene	4.916	61	106642	9.81	ppb	96
26) 2-Butanone	4.938	72	5262	7.23	ppb	90
27) 2,2-Dichloropropane	4.896	77	78667	8.78	ppb	# 100
28) Tetrahydrofuran	5.191	71	5459	10.02	ppb	# 1
29) Bromochloromethane	5.155	49	44469	9.57	ppb	94
30) Chloroform	5.216	83	127091	10.90	ppb	# 100
31) 1,1,1-Trichloroethane	5.366	97	108077	11.23	ppb	99
32) Cyclohexane	5.400	56	115699	9.73	ppb	92
33) 1,1-Dichloropropylene	5.522	75	98412	10.22	ppb	92
35) Carbon Tetrachloride	5.519	117	91616	11.47	ppb	# 58
36) tert-Amyl alcohol (TAA)	5.736	59	30861	67.49	ppb	95
37) 1,2-Dichloroethane	5.773	62	75306	10.38	ppb	99
38) Benzene	5.728	78	308678	10.54	ppb	# 94
39) tert-Amyl methyl ether...	5.795	73	171271	8.43	ppb	# 90
41) Trichloroethylene	6.335	95	79294	9.94	ppb	96
42) Methyl Cyclohexane	6.488	83	117505	8.85	ppb	92
43) Methyl Methacrylate	6.643	69	39986	9.22	ppb	# 82
44) Dibromomethane	6.705	93	38722	10.18	ppb	98
45) Bromodichloromethane	6.844	83	90322	9.55	ppb	98
46) 1,2-Dichloropropane	6.574	63	75227	9.08	ppb	98
47) 1,4-Dioxane	6.710	88	7090	177.75	ppb	87
48) 2-Chloroethyl vinyl ether	7.584	63	19890	7.15	ppb	# 100
49) cis-1,3-Dichloropropene	7.269	75	112681	8.90	ppb	91
50) 4-Methyl-2-Pentanone	7.400	43	72889	8.30	ppb	90
52) Toluene	7.584	91	326151	9.64	ppb	100

Data Path : G:\MSVOA7 V7\DAILY DATA\V7092316\
 Data File : V710678.D
 Acq On : 24 Sep 2016 8:32 am
 InstName : MSVOA7
 Operator : SS
 Sample : BI61179-MSD1
 Misc : QBV7092316B 16I0590-18 G
 ALS Vial : 54 Sample Multiplier: 1

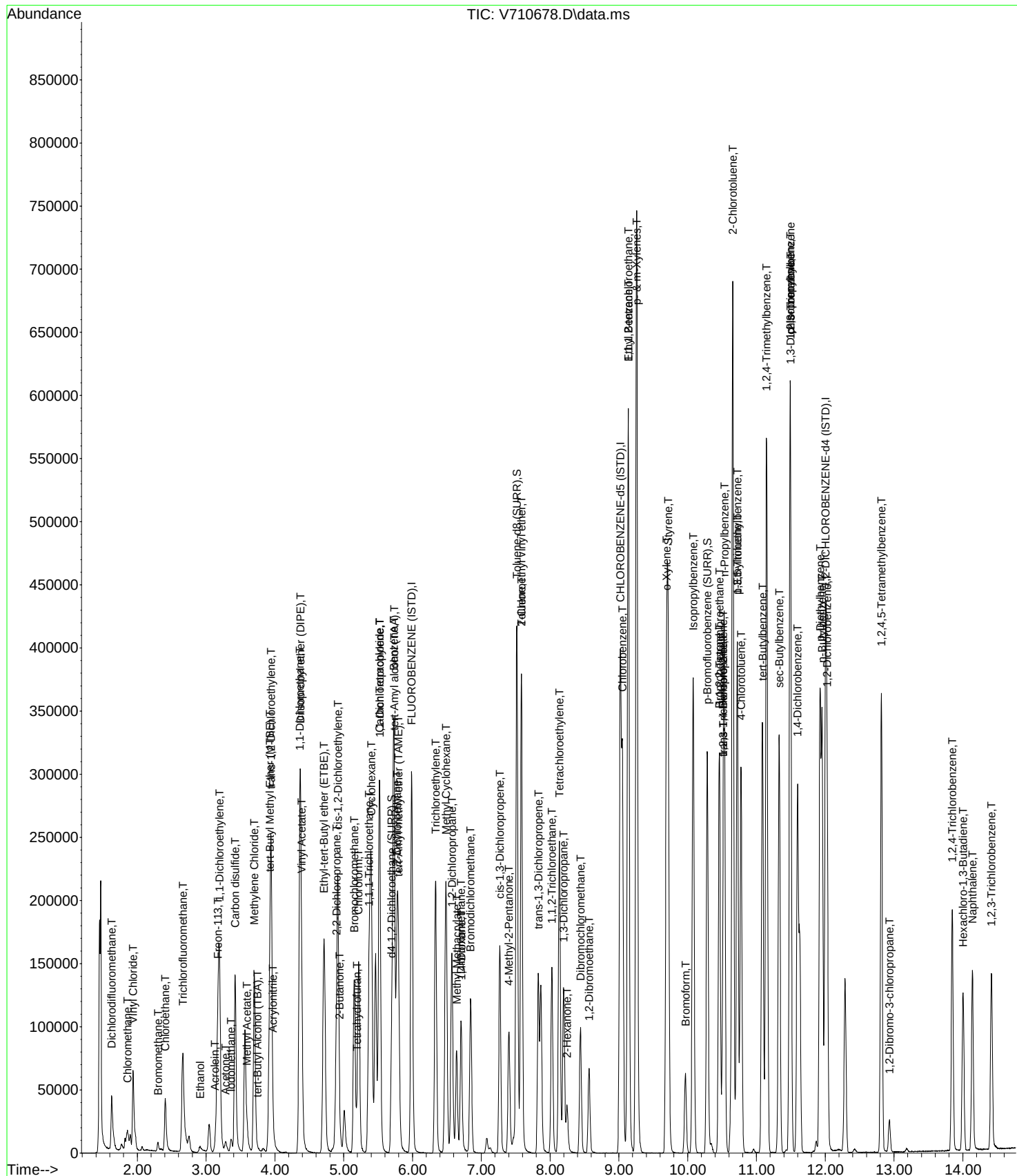
Quant Time: Sep 26 10:46:18 2016
 Quant Method : C:\msdchem\1\methods\V7L00060.M
 Quant Title : Volatile Organics EPA 8260C
 QLast Update : Mon Sep 19 11:38:14 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) trans-1,3-Dichloropropene	7.831	75	90367	8.55	ppb	# 86
54) 1,1,2-Trichloroethane	8.023	97	56815	9.55	ppb	96
55) 1,3-Dichloropropane	8.196	76	98095	9.21	ppb	# 70
56) Tetrachloroethylene	8.137	166	93003	8.39	ppb	# 77
57) 2-Hexanone	8.246	43	26861	8.04	ppb	87
58) Dibromochloromethane	8.443	129	64617	9.43	ppb	99
59) 1,2-Dibromoethane	8.566	107	55491	9.50	ppb	100
60) Chlorobenzene	9.050	112	205909	9.20	ppb	97
61) 1,1,1,2-tetrachloroethane	9.136	131	72887	9.54	ppb	99
62) Ethyl Benzene	9.136	91	350810	9.70	ppb	100
63) p- & m-Xylenes	9.259	91	523645	19.22	ppb	98
64) o-Xylene	9.693	91	259788	9.20	ppb	99
65) Styrene	9.715	104	224139	9.94	ppb	# 100
66) Bromoform	9.968	173	36935	9.51	ppb	# 76
68) p-Ethyltoluene	10.722	105	281142	9.66	ppb	# 100
69) Isopropylbenzene	10.082	105	330645	9.22	ppb	97
71) 1,1,2,2-Tetrachloroethane	10.463	83	61376	9.06	ppb	# 100
72) Bromobenzene	10.461	77	123193	8.90	ppb	97
73) trans-1,4-Dichloro-2-b...	10.516	75	60813	8.39	ppb	82
74) 1,2,3-Trichloropropane	10.516	110	17107	9.12	ppb	80
75) n-Propylbenzene	10.533	91	363558	8.83	ppb	99
76) 2-Chlorotoluene	10.655	91	244906	8.83	ppb	99
77) 4-Chlorotoluene	10.775	91	222879	8.69	ppb	100
78) 1,3,5-Trimethylbenzene	10.722	105	281142	9.66	ppb	98
79) tert-Butylbenzene	11.089	119	227388	9.32	ppb	96
80) 1,2,4-Trimethylbenzene	11.145	105	280253	9.44	ppb	99
81) sec-Butylbenzene	11.331	105	305773	8.81	ppb	97
82) 1,3-Dichlorobenzene	11.496	146	146285	8.84	ppb	99
83) p-Isopropyltoluene	11.490	119	284020	9.48	ppb	97
84) 1,4-Dichlorobenzene	11.599	146	149036	8.79	ppb	100
85) 1,2,3-Trimethylbenzene	11.493	105	9536	0.77	ppb	91
86) p-Diethylbenzene	11.927	105	148671	9.17	ppb	95
87) 1,2-Dichlorobenzene	12.027	146	133418	8.80	ppb	# 68
88) n-Butylbenzene	11.955	91	267249	8.71	ppb	96
89) 1,2-Dibromo-3-chloropr...	12.931	75	7674	8.52	ppb	95
90) 1,2,4,5-Tetramethylben...	12.817	119	242112	8.79	ppb	99
91) 1,2,4-Trichlorobenzene	13.847	180	76086	8.61	ppb	98
92) Hexachloro-1,3-Butadiene	14.002	225	33590	8.59	ppb	98
93) Naphthalene	14.139	128	139590	8.65	ppb	99
94) 1,2,3-Trichlorobenzene	14.414	180	58782	8.61	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : G:\MSVOA7 V7\DAI\ DATA\V7092316\  
Data File : V710678.D  
Acq On    : 24 Sep 2016      8:32 am  
InstName  : MSVOA7  
Operator  : SS  
Sample    : BI61179-MSD1  
Misc      : QBV7092316B 16I0590-18 G  
ALS Vial  : 54      Sample Multiplier: 1
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Quant Time: Sep 26 10:46:18 2016
Quant Method : C:\msdchem\1\methods\V7L00060.M
Quant Title : Volatile Organics EPA 8260C
QLast Update : Mon Sep 19 11:38:14 2016
Response via : Initial Calibration



PREPARATION BENCH SHEET

BI61100

York Analytical Laboratories, Inc.

Printed: 9/26/2016 3:48:42PM

Matrix: Water

Surrogate used: Y15L025

Lab Number	Analysis	Prepared	By	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Preparation	Sample Comments
1610573-01	Volatile Organics, NYCDEP	09/22/2016 20:00	OW	25	25				1	EPA 5030B	
1610573-02	Volatile Organics, NYCDEP	09/22/2016 20:00	OW	25	25				1	EPA 5030B	
1610590-01	Volatile Organics, 8260 List	09/22/2016 20:00	OW	25	25				1	EPA 5030B	
1610590-03	Volatile Organics, 8260 List	09/22/2016 20:00	OW	25	25				1	EPA 5030B	
1610590-04	Volatile Organics, 8260 List	09/22/2016 20:00	OW	25	25				1	EPA 5030B	
1610590-05	Volatile Organics, 8260 List	09/22/2016 20:00	OW	25	25				1	EPA 5030B	
1610590-06	Volatile Organics, 8260 List	09/22/2016 20:00	OW	25	25				1	EPA 5030B	
1610601-01	Volatile Organics, CP-51 (S)	09/22/2016 20:00	OW	25	25				1	EPA 5030B	
1610601-02	Volatile Organics, CP-51 (S)	09/22/2016 20:00	OW	25	25				1	EPA 5030B	
1610601-03	Volatile Organics, CP-51 (S)	09/22/2016 20:00	OW	25	25				1	EPA 5030B	
1610601-05	Volatile Organics, CP-51 (S)	09/22/2016 20:00	OW	25	25				1	EPA 5030B	
1610601-06	Volatile Organics, CP-51 (S)	09/22/2016 20:00	OW	25	25				1	EPA 5030B	
1610601-07	Volatile Organics, CP-51 (S)	09/22/2016 20:00	OW	25	25				1	EPA 5030B	
1610601-08	Volatile Organics, CP-51 (S)	09/22/2016 20:00	OW	25	25				1	EPA 5030B	
BI61100-BLK1	QC	09/22/2016 20:00	OW	25	25				1	EPA 5030B	
BI61100-BS1	QC	09/22/2016 20:00	OW	25	25	Y161081		5	1	EPA 5030B	
BI61100-BSD1	QC	09/22/2016 20:00	OW	25	25	Y161081		5	1	EPA 5030B	

Batch Comments:

PREPARATION BENCH SHEET

BI61178

York Analytical Laboratories, Inc.

Printed: 9/26/2016 1:28:05PM

Surrogate used: Y15L025 Surrogate, uL 1

Preparation EPA 5030B

Matrix: Water

Lab Number	Analysis	Prepared	By	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	pH	Residual Chlorine	Sample Comments
1610583-01RE1	Volatile Organics, CT RCP1	09/22/2016 08:0	OW	25	25				<2	NA	From BI61027 by OW on 09/23/20
1610583-04RE1	Volatile Organics, CT RCP1	09/22/2016 08:0	OW	25	25				<2	NA	From BI61027 by OW on 09/23/20
1610583-09RE1	Volatile Organics, CT RCP1	09/22/2016 08:0	OW	25	25				<2	NA	From BI61027 by OW on 09/23/20
1610590-02	Volatile Organics, 8260 List	09/22/2016 08:0	OW	25	25				<2	NA	
1610590-02	Volatile Organics, CP-51 (S	09/22/2016 08:0	OW	25	25				<2	NA	Added for BatchQC in: BI61178
1610590-02	Volatile Organics, CT RCP1	09/22/2016 20:0	OW	25	25						Added for BatchQC in: BI61178
1610590-07	Volatile Organics, 8260 List	09/22/2016 08:0	OW	25	25				<2	NA	
1610590-08	Volatile Organics, 8260 List	09/22/2016 08:0	OW	25	25				<2	NA	
1610590-19	Volatile Organics, 8260 List	09/22/2016 08:0	OW	25	25				<2	NA	
1610601-01RE1	Volatile Organics, CP-51 (S	09/22/2016 08:0	OW	25	25				<2	NA	From BI61100 by OW on 09/23/20
1610601-02RE1	Volatile Organics, CP-51 (S	09/22/2016 08:0	OW	25	25				<2	NA	From BI61100 by OW on 09/23/20
1610601-03RE1	Volatile Organics, CP-51 (S	09/22/2016 08:0	OW	25	25				<2	NA	From BI61100 by OW on 09/23/20
1610601-04	Volatile Organics, CP-51 (S	09/22/2016 08:0	OW	25	25				<2	NA	From BI61100 by OW on 09/23/20
1610601-06RE1	Volatile Organics, CP-51 (S	09/22/2016 08:0	OW	25	25				<2	NA	From BI61100 by OW on 09/23/20
BI61178-BLK1	QC	09/23/2016 17:5	OW	25	25					NA	
BI61178-BS1	QC	09/23/2016 17:5	OW	25	25	Y161081		5		NA	
BI61178-BSD1	QC	09/23/2016 17:5	OW	25	25	Y161081		5		NA	
BI61178-MS1	QC	09/23/2016 17:5	OW	25	25	Y161081	1610590-02	5		NA	
BI61178-MSD1	QC	09/23/2016 17:5	OW	25	25	Y161081	1610590-02	5		NA	

Batch Comments:

PREPARATION BENCH SHEET

BI61179

York Analytical Laboratories, Inc.

Printed: 9/27/2016 11:08:31AM

Matrix: Water				Preparation			EPA 5030B			Surrogate used: Y15L025			Surrogate, uL		1
Lab Number	Analysis	Prepared	By	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	pH	Residual Chlorine	Sample Comments				
1610590-18	Volatile Organics, 8260 List	09/23/2016 18:0	OW	25	25				<2	NA					
1610590-20	Volatile Organics, 8260 List	09/23/2016 18:0	OW	25	25				<2	NA					
1610590-21	Volatile Organics, 8260 List	09/23/2016 18:0	OW	25	25				<2	NA					
1610590-22	Volatile Organics, 8260 List	09/23/2016 18:0	OW	25	25				<2	NA					
1610590-23	Volatile Organics, 8260 List	09/23/2016 18:0	OW	25	25				<2	NA					
1610590-24	Volatile Organics, 8260 List	09/23/2016 18:0	OW	25	25				<2	NA					
1610590-25	Volatile Organics, 8260 List	09/23/2016 18:0	OW	25	25				<2	NA					
1610590-26	Volatile Organics, 8260 List	09/23/2016 18:0	OW	25	25				<2	NA					
1610590-27	Volatile Organics, 8260 List	09/23/2016 18:0	OW	25	25				<2	NA					
1610590-28	Volatile Organics, 8260 List	09/23/2016 18:0	OW	25	25				<2	NA					
1610590-29	Volatile Organics, 8260 List	09/23/2016 18:0	OW	25	25				<2	NA					
1610590-30	Volatile Organics, 8260 List	09/23/2016 18:0	OW	25	25				<2	NA					
1610590-31	Volatile Organics, 8260 List	09/23/2016 18:0	OW	25	25				<2	NA					
BI61179-BLK1	QC	09/23/2016 18:0	OW	25	25					NA					
BI61179-BS1	QC	09/23/2016 18:0	OW	25	25	Y161081		5		NA					
BI61179-BSD1	QC	09/23/2016 18:0	OW	25	25	Y161081		5		NA					
BI61179-MS1	QC	09/23/2016 18:0	OW	25	25	Y161081	1610590-18	5	<2	NA					
BI61179-MSD1	QC	09/23/2016 18:0	OW	25	25	Y161081	1610590-18	5	<2	NA					

Batch Comments:

PREPARATION BENCH SHEET

BI61211

York Analytical Laboratories, Inc.

Printed: 9/27/2016 12:55:24PM

Matrix: Water												Preparation			EPA 5030B		Surrogate used: Y15L025			Surrogate, uL		1
Lab Number	Analysis	Prepared	By	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	pH	Residual Chlorine	Sample Comments											
1610590-09	Volatile Organics, 8260 List	09/26/2016 08:3	OW	25	25				<2	NA												
1610590-10	Volatile Organics, 8260 List	09/26/2016 08:3	OW	25	25				<2	NA												
1610590-11	Volatile Organics, 8260 List	09/26/2016 08:3	OW	25	25				<2	NA												
1610590-12	Volatile Organics, 8260 List	09/26/2016 08:3	OW	25	25				<2	NA												
1610590-13	Volatile Organics, 8260 List	09/26/2016 08:3	OW	25	25				<2	NA												
1610590-14	Volatile Organics, 8260 List	09/26/2016 08:3	OW	25	25				<2	NA												
1610590-15	Volatile Organics, 8260 List	09/26/2016 08:3	OW	25	25				<2	NA												
1610590-16	Volatile Organics, 8260 List	09/26/2016 08:3	OW	25	25				<2	NA												
1610590-17	Volatile Organics, 8260 List	09/26/2016 08:3	OW	25	25				<2	NA												
1610604-06	Volatile Organics, CP-51 (S	09/23/2016 08:4	OW	25	25				<2	NA												
1610608-01RE1	Volatile Organics, CT RCP 1	09/23/2016 08:4	OW	25	25				<2	NA												
1610608-02	Volatile Organics, CT RCP 1	09/23/2016 08:4	OW	25	25				<2	NA												
BI61211-BLK1	QC	09/26/2016 08:3	OW	25	25					NA												
BI61211-BS1	QC	09/26/2016 08:3	OW	25	25	Y161081		5		NA												
BI61211-BSD1	QC	09/26/2016 08:3	OW	25	25	Y161081		5		NA												

Batch Comments:

PREPARATION BENCH SHEET

BI61212

York Analytical Laboratories, Inc.

Printed: 9/27/2016 11:08:17AM

Matrix: Water		Prepared by: EPA 5030B		Surrogate used: Y15L025									
Lab Number	Analysis	Prepared	By	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Initial	pH Data	Decanted Y/N	Sample Comments
											Acid	Basic	
1610590-32 A	Volatiles Organics, 8260 List	09/26/2016 08:3	OW	25.00	25.00				1		<2	NA	
1610590-33 A	Volatiles Organics, 8260 List	09/26/2016 08:3	OW	25.00	25.00				1		<2	NA	
1610590-34 A	Volatiles Organics, 8260 List	09/26/2016 08:3	OW	25.00	25.00				1		<2	NA	
1610590-35 A	Volatiles Organics, 8260 List	09/26/2016 08:3	OW	25.00	25.00				1		<2	NA	
1610590-36 A	Volatiles Organics, 8260 List	09/26/2016 08:3	OW	25.00	25.00				1		<2	NA	
1610644-01 A	Volatiles Organics, CP-51 (S)	09/26/2016 08:3	OW	25.00	25.00				1		<2	NA	
1610644-02 A	Volatiles Organics, CP-51 (S)	09/26/2016 08:3	OW	25.00	25.00				1		<2	NA	
1610644-03 A	Volatiles Organics, CP-51 (S)	09/26/2016 08:3	OW	25.00	25.00				1		<2	NA	
1610648-01 A	Volatiles Organics, CP-51 (S)	09/26/2016 08:3	OW	25.00	25.00				1		<2	NA	
1610648-02 A	Volatiles Organics, CP-51 (S)	09/26/2016 08:3	OW	25.00	25.00				1		<2	NA	
1610648-03 A	Volatiles Organics, CP-51 (S)	09/26/2016 08:3	OW	25.00	25.00				1		<2	NA	
1610648-04 A	Volatiles Organics, CP-51 (S)	09/26/2016 08:3	OW	25.00	25.00				1		<2	NA	
1610648-05 A	Volatiles Organics, CP-51 (S)	09/26/2016 08:3	OW	25.00	25.00				1		<2	NA	
1610673-24 A	Volatiles Organics, NJDEP/1	09/26/2016 08:3	OW	25.00	25.00				1		<2	NA	
1610673-25 A	Volatiles Organics, NJDEP/1	09/26/2016 08:3	OW	25.00	25.00				1		<2	NA	
1610674-01 A	Volatiles Organics, 8260 - C1	09/26/2016 08:3	OW	25.00	25.00				1		<2	NA	
1610674-02 A	Volatiles Organics, 8260 - C1	09/26/2016 08:3	OW	25.00	25.00				1		<2	NA	
BI61212-BLK1	QC	09/26/2016 08:3	OW	25.00	25.00				1			NA	
BI61212-BS1	QC	09/26/2016 08:3	OW	25.00	25.00	Y161081		5	1			NA	
BI61212-BS1	QC	09/26/2016 08:3	OW	25.00	25.00	Y161081		5	1			NA	

Batch Comments:

PREPARATION BENCH SHEET

BI61289

York Analytical Laboratories, Inc.

Printed: 9/28/2016 11:32:32AM

Prepared by: EPA 5030B

Matrix: Water

Surrogate used: Y15L025

Lab Number	Analysis	Prepared	By	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	pH Data	Decanted Y/N	Sample Comments	
										Initial	Acid	Basic	
1610590-17 A	Volatile Organics, 8260 List	09/27/2016 08:00	OW	25.00	25.00				1		<	na	From BI61211 by OW 0
1610644-03RE1 A	Volatile Organics, CP-51 (S	09/27/2016 08:00	OW	25.00	25.00				1		<	na	From BI61212 by OW 0
1610648-02RE1 A	Volatile Organics, CP-51 (S	09/27/2016 08:00	OW	25.00	25.00				1		<	na	From BI61212 by OW 0
1610648-06 B	Volatile Organics, CP-51 (S	09/27/2016 08:00	OW	25.00	25.00				1		<	na	
1610648-07 B	Volatile Organics, CP-51 (S	09/27/2016 08:00	OW	25.00	25.00				1		<	na	
1610648-08 B	Volatile Organics, CP-51 (S	09/27/2016 08:00	OW	25.00	25.00				1		<	na	
1610648-09 B	Volatile Organics, CP-51 (S	09/27/2016 08:00	OW	25.00	25.00				1		<	na	
1610648-10 B	Volatile Organics, CP-51 (S	09/27/2016 08:00	OW	25.00	25.00				1		<	na	
1610648-11 B	Volatile Organics, CP-51 (S	09/27/2016 08:00	OW	25.00	25.00				1		<	na	
1610648-12 B	Volatile Organics, CP-51 (S	09/27/2016 08:00	OW	25.00	25.00				1		<	na	
1610674-01 A	Volatile Organics, 8260 - C	09/27/2016 08:00	BK	25.00	25.00				1		<	NA	From BI61212 by BK 0
1610679-01 A	Volatile Organics, CP-51 (S	09/27/2016 08:00	OW	25.00	25.00				1		<	na	use for AQ/GW CP-51
1610690-01 A	Volatile Organics, BTEX Li	09/27/2016 08:00	OW	25.00	25.00				1		<	na	
1610694-01 A	Volatile Organics, 8260 List	09/27/2016 08:00	OW	25.00	25.00				1		<	na	
1610695-01 A	Volatile Organics, 8260 List	09/27/2016 08:00	OW	25.00	25.00				1		<	na	
1610706-01 G	Volatile Organics, 8260 List	09/27/2016 08:00	OW	25.00	25.00				1		<	na	
1610776-01 A	Volatile Organics, NYCDEI	09/27/2016 08:00	OW	25.00	25.00				1		<	na	
BI61289-BLK1	QC		OW	25.00	25.00				1			na	
BI61289-BS1	QC		OW	25.00	25.00	Y161081		5	1			na	
BI61289-BSDI	QC		OW	25.00	25.00	Y161081		5	1			na	

Batch Comments:

Injection Log

Directory: g:\msvoa7~1\dailyd~1\w7092216

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	v710622.d	1.	SEQ-TUN1	QBV7092216A	22 Sep 16 07:57
2	2	v710623.d	1.	SEQ-TUN1	QBV7092216A	22 Sep 16 08:27
3	3	v710624.d	1.	SEQ-TUN1	QBV7092216A	22 Sep 16 09:12
4	4	v710625.d	1.	SEQ-CCV1	QBV7092216A Y16I078	22 Sep 16 09:45
5	5	v710626.d	1.	BI61027-BS1	QBV7092216A Y16I081	22 Sep 16 10:45
6	6	v710627.d	1.	BI61027-BSD1	QBV7092216A Y16I081	22 Sep 16 11:11
7	7	v710628.d	1.	BLK	QBV7092216A	22 Sep 16 11:37
8	8	v710629.d	1.	BI61027-BLK1	QBV7092216A	22 Sep 16 12:03
9	9	v710630.d	10.	16I0555-04RE1	QBV7092216A CT RCP 5ML/50ML B	22 Sep 16 12:29
10	10	v710631.d	1.	16I0669-03	QBV7092216A BTEX + MTBE AF A	22 Sep 16 12:55
11	11	v710632.d	1.	16I0669-04	QBV7092216A BTEX + MTBE AF A	22 Sep 16 13:21
12	12	v710633.d	1.	16I0558-06	QBV7092216A CT RCP AROMATICS A	22 Sep 16 13:47
13	14	v7106335.d	1.	16I0558-07	QBV7092216A CT RCP AROMATICS A	22 Sep 16 14:39
14	13	v710634.d	1.	16I0558-08	QBV7092216A CT RCP AROMATICS A	22 Sep 16 14:13
15	15	v710636.d	1.	16I0558-09	QBV7092216A CT RCP AROMATICS A	22 Sep 16 15:05
16	16	v710637.d	1.	16I0558-09	QBV7092216A CT RCP A	22 Sep 16 15:31
17	17	v710638.d	1.	16I0583-01	QBV7092216A CT RCP A	22 Sep 16 15:57
18	18	v710639.d	1.	16I0583-02	QBV7092216A CT RCP A	22 Sep 16 16:23
19	19	v710640.d	1.	16I0583-03	QBV7092216A CT RCP A	22 Sep 16 16:49
20	20	v710641.d	1.	16I0583-04	QBV7092216A CT RCP A	22 Sep 16 17:15
21	21	v710642.d	1.	16I0583-05	QBV7092216A CT RCP A	22 Sep 16 17:41
22	22	v710643.d	1.	16I0583-06	QBV7092216A CT RCP A	22 Sep 16 18:07
23	23	v710644.d	1.	16I0583-07	QBV7092216A CT RCP A	22 Sep 16 18:33
24	24	v710645.d	1.	16I0583-08	QBV7092216A CT RCP A	22 Sep 16 18:59
25	25	v710646.d	1.	16I0583-09	QBV7092216A CT RCP A	22 Sep 16 19:25
26	26	v710647.d	1.	SEQ-TUN1	QBV7092216A CT RCP A	22 Sep 16 20:03
27	26	v710648.d	1.	SEQ-TUN1	QBV7092216A CT RCP A	22 Sep 16 20:29
28	27	v710649.d	1.	SEQ-CCV1	QBV7092216A Y16I078	22 Sep 16 20:55
29	28	v710650.d	1.	BI61100-BS1	QBV7092216A Y16I081	22 Sep 16 21:21
30	29	v710651.d	1.	BI61100-BSD1	QBV7092216A Y16I081	22 Sep 16 21:47
31	30	v710652.d	1.	BLK	QBV7092216A	22 Sep 16 22:13
32	31	v710653.d	1.	BI61100-BLK1	QBV7092216A	22 Sep 16 22:39
33	32	v710654.d	1.	16I0573-01	QBV7092216A NYCDEP SEWER A	22 Sep 16 23:05
34	33	v710655.d	1.	16I0573-02	QBV7092216A NYCDEP SEWER A	22 Sep 16 23:31
35	34	v710656.d	1.	16I0601-01	QBV7092216A CP51 LOW AF A	22 Sep 16 23:57
36	35	v710657.d	1.	16I0601-02	QBV7092216A CP51 LOW AF A	23 Sep 16 00:23
37	36	v710658.d	1.	16I0601-03	QBV7092216A CP51 LOW AF A	23 Sep 16 00:49
38	37	v710659.d	1.	16I0601-04	QBV7092216A CP51 LOW AF A	23 Sep 16 01:15
39	38	v710660.d	1.	16I0601-05	QBV7092216A CP51 LOW AF A	23 Sep 16 01:41
40	39	v710661.d	1.	16I0601-06	QBV7092216A CP51 LOW AF A	23 Sep 16 02:07
41	40	v710662.d	1.	16I0601-07	QBV7092216A CP51 LOW AF A	23 Sep 16 02:33

V4L00060.7

Injection Log

Directory: g:\msvoa7~1\dailyd~1\v7092216

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
42	41	v710663.d	1.	16I0601-08	QBV7092216A CP51 LOW AF A	23 Sep 16 02:59
43	42	v710664.d	1.	16I0590-01	QBV7092216A 8260 LOW A	23 Sep 16 03:25
44	43	v710665.d	1.	16I0590-03	QBV7092216A 8260 LOW A	23 Sep 16 03:51
45	44	v710666.d	1.	16I0590-04	QBV7092216A 8260 LOW A	23 Sep 16 04:17
46	45	v710667.d	1.	16I0590-05	QBV7092216A 8260 LOW A	23 Sep 16 04:43
47	46	v710668.d	1.	16I0590-06	QBV7092216A 8260 LOW A	23 Sep 16 05:09
48		v710669.d	1.			

Injection Log

Directory: g:\msvoa7~1\dailyd~1\v7092316

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	v710624.d	1.	SEQ-TUN1	QBV7092316A	23 Sep 16 08:06
2	2	v710625.d	1.	SEQ-TUN1	QBV7092316A	23 Sep 16 08:39
3	3	v710626.d	1.	SEQ-CCV1	QBV7092316A Y16I078	23 Sep 16 09:09
4	4	v710627.d	1.	BI61126-BS1	QBV7092316A Y16I081	23 Sep 16 09:46
5	5	v710628.d	1.	BI61126-BSD1	QBV7092316A Y16I081	23 Sep 16 10:12
6	6	v710629.d	1.	BI61126-BLK1	QBV7092316A	23 Sep 16 10:38
7	7	v710630.d	1.	BLK	QBV7092316A	23 Sep 16 11:04
8	8	v710631.d	1.	BI61126-BLK1	QBV7092316A	23 Sep 16 12:12
9	9	v710632.d	1.	16I0854-01	QBV7092316A CP-51 AF A	23 Sep 16 12:38
10	9	v710633.d	1.	16I0616-01	QBV7092316A NJDEP TARGET+ TIC A	23 Sep 16 13:04
11	10	v710634.d	1.	16I0574-01	QBV7092316A CP51 LOW A	23 Sep 16 13:30
12	11	v710635.d	1.	16I0611-01	QBV7092316A 8260 COMP A	23 Sep 16 13:56
13	12	v710636.d	1.	16I0611-08	QBV7092316A 8260 COMP A	23 Sep 16 14:22
14	13	v710637.d	1.	16I0611-11	QBV7092316A 8260 COMP A	23 Sep 16 14:48
15	14	v710638.d	1.	16I0610-01	QBV7092316A CT RCP AF A	23 Sep 16 15:14
16	15	v710639.d	1.	16I0610-02	QBV7092316A CT RCP AF A	23 Sep 16 15:40
17	16	v710640.d	1.	16I0617-45	QBV7092316A CT RCP A	23 Sep 16 16:06
18	17	v710641.d	1.	16I0608-01	QBV7092316A CT RCP A	23 Sep 16 16:32
19	18	v710642.d	1.	16I0608-02	QBV7092316A CT RCP A	23 Sep 16 16:58
20	19	v710643.d	1.	16I0612-01	QBV7092316A NJDEP/TCL/375 A	23 Sep 16 17:24
21	20	v710644.d	1.	16I0612-02	QBV7092316A NJDEP/TCL/375 A	23 Sep 16 17:50
22	21	v710645.d	1.	16I0612-03	QBV7092316A NJDEP/TCL/375 A	23 Sep 16 18:16
23	22	v710646.d	1.	16I0609-01	QBV7092316A CP51 LOW A	23 Sep 16 18:42
24	23	v710647.d	1.	SEQ-TUN1	QBV7092316B	23 Sep 16 19:08
25	24	v710648.d	1.	SEQ-TUN1	QBV7092316B	23 Sep 16 19:33
26	25	v710649.d	1.	SEQ-CCV1	QBV7092316B Y16I078	23 Sep 16 19:59
27	26	v710650.d	1.	BI61178-BS1	QBV7092316B Y16I081	23 Sep 16 20:25
28	27	v710651.d	1.	BI61178-BSD1	QBV7092316B Y16I081	23 Sep 16 20:51
29	28	v710652.d	1.	BI61178-BLK1	QBV7092316B	23 Sep 16 21:17
30	29	v710653.d	1.	BLK	QBV7092316B	23 Sep 16 21:43
31	30	v710654.d	20.	16I0601-01RE1	QBV7092316B CP51 LOW 2.5ML/50ML B	23 Sep 16 22:09
32	31	v710655.d	10.	16I0601-02RE1	QBV7092316B CP51 LOW 5ML/50ML B	23 Sep 16 22:34
33	32	v710656.d	100.	16I0601-03RE1	QBV7092316B CP51 LOW 500UL/50ML B	23 Sep 16 23:00
34	33	v710657.d	1.	16I0601-04	QBV7092316B CP51 LOW AF B	23 Sep 16 23:26
35	34	v710658.d	5.	16I0601-06RE1	QBV7092316B CP51 LOW 10ML/50ML B	23 Sep 16 23:52
36	35	v710659.d	10.	16I0583-01RE1	QBV7092316B CP51 LOW 5ML/50ML B	24 Sep 16 00:18
37	36	v710660.d	20.	16I0583-04RE1	QBV7092316B CP51 LOW 2.5ML/50ML B	24 Sep 16 00:44
38	37	v710661.d	50.	16I0583-09RE1	QBV7092316B CP51 LOW 1ML/50ML B	24 Sep 16 01:10
39	38	v710662.d	1.	16I0590-02	QBV7092316B 8260 LOW A	24 Sep 16 01:36
40	39	v710663.d	1.	BI61178-MS1	QBV7092316B 16I0590-02 D	24 Sep 16 02:02
41	40	v710664.d	1.	BI61178-MSD1	QBV7092316B 16I0590-02 G	24 Sep 16 02:28
42	41	v710665.d	1.	MBLK	QBV7092316B	24 Sep 16 02:54
43	42	v710666.d	1.	16I0590-07	QBV7092316B 8260 LOW A	24 Sep 16 03:19

Injection Log

Directory: g:\msvoa7~1\dailyd~1\v7092316

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
44	43	v710667.d	1.	16I0590-08	QBV7092316B 8260 LOW A	24 Sep 16 03:45
45	44	v710668.d	1.	16I0590-19	QBV7092316B 8260 LOW A	24 Sep 16 04:11
46	45	v710669.d	1.	SEQ-TUN1	QBV7092316B	24 Sep 16 04:38
47	46	v710670.d	1.	SEQ-TUN1	QBV7092316B	24 Sep 16 05:03
48	47	v710671.d	1.	SEQ-CCV1	QBV7092316B Y16I078	24 Sep 16 05:30
49	48	v710672.d	1.	BI61179-BS1	QBV7092316B Y16I081	24 Sep 16 05:56
50	49	v710673.d	1.	BI61179-BSD1	QBV7092316B Y16I081	24 Sep 16 06:22
51	50	v710674.d	1.	BI61179-BLK1	QBV7092316B	24 Sep 16 06:48
52	51	v710675.d	1.	BI61179-BLK1	QBV7092316B	24 Sep 16 07:14
53	52	v710676.d	1.	16I0590-18	QBV7092316B 8260 LOW A	24 Sep 16 07:40
54	53	v710677.d	1.	BI61179-MS1	QBV7092316B 16I0590-18 D	24 Sep 16 08:07
55	54	v710678.d	1.	BI61179-MSD1	QBV7092316B 16I0590-18 G	24 Sep 16 08:32
56	55	v710679.d	1.	MBLK	QBV7092316B	24 Sep 16 08:59
57	56	v710680.d	1.	16I0590-20	QBV7092316B 8260 LOW A	24 Sep 16 09:25
58	57	v710681.d	1.	16I0590-21	QBV7092316B 8260 LOW A	24 Sep 16 09:51
59	58	v710682.d	1.	16I0590-22	QBV7092316B 8260 LOW A	24 Sep 16 10:17
30	59	v710683.d	1.	16I0590-23	QBV7092316B 8260 LOW A	24 Sep 16 10:44
31	60	v710684.d	1.	16I0590-24	QBV7092316B 8260 LOW A	24 Sep 16 11:10
32	61	v710685.d	1.	16I0590-25	QBV7092316B 8260 LOW A	24 Sep 16 11:36
33	62	v710686.d	1.	16I0590-26	QBV7092316B 8260 LOW A	24 Sep 16 12:02
34	63	v710687.d	1.	16I0590-27	QBV7092316B 8260 LOW A	24 Sep 16 12:28
35	64	v710688.d	1.	16I0590-28	QBV7092316B 8260 LOW A	24 Sep 16 12:54
36	65	v710689.d	1.	16I0590-29	QBV7092316B 8260 LOW A	24 Sep 16 13:21
37	66	v710690.d	1.	16I0590-30	QBV7092316B 8260 LOW A	24 Sep 16 13:46
38	67	v710691.d	1.	16I0590-31	QBV7092316B 8260 LOW A	24 Sep 16 14:12

Injection Log

Directory: g:\msvoa6~1\dailyd~1\v6092616

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	v6020201.d	1.	20ppb STD	QBV6092616A	26 Sep 16 07:57
2	2	v6020202.d	1.	SEQ-TUN1	QBV6092616A	26 Sep 16 09:55
3	3	v6020203.d	1.	BS	QBV6092616A Y161078	26 Sep 16 10:35
4	4	v6020204.d	1.	SEQ-CCV1	QBV6092616A Y161078	26 Sep 16 11:14
5	5	v6020205.d	1.	BI61211-BS1	QBV6092616A Y161081	26 Sep 16 11:54
6	6	v6020206.d	1.	BI61211-BSD1	QBV6092616A	26 Sep 16 12:34
7	8	v6020207.d	1.	BI61211-BLK1	QBV6092616A	26 Sep 16 13:13
8	9	v6020208.d	1.	blk	QBV6092616A	26 Sep 16 13:52
9	10	v6020209.d	1.	16I0604-06	QBV6092616A RE AF CP-51 LOW B	26 Sep 16 14:32
10	11	v6020210.d	1.	16I0608-01RE1	QBV6092616A RE1 10X 5ML/50ML CT RCP B	26 Sep 16 15:12
11	12	v6020211.d	1.	16I0608-02	QBV6092616A RE CT RCP B	26 Sep 16 15:52
12	13	v6020212.d	1.	16I0590-09	QBV6092616A 8260 LOW A	26 Sep 16 17:32
13	14	v6020213.d	1.	16I0590-10	QBV6092616A 8260 LOW A	26 Sep 16 18:12
14	15	v6020214.d	1.	16I0590-11	QBV6092616A 8260 LOW A	26 Sep 16 18:52
15	16	v6020215.d	1.	16I0590-12	QBV6092616A 8260 LOW A	26 Sep 16 19:31
16	17	v6020216.d	1.	16I0590-13	QBV6092616A 8260 LOW A	26 Sep 16 20:10
17	18	v6020217.d	1.	16I0590-14	QBV6092616A 8260 LOW A	26 Sep 16 20:50
18	19	v6020218.d	1.	16I0590-15	QBV6092616A 8260 LOW A	26 Sep 16 21:29
19	20	v6020219.d	1.	16I0590-16	QBV6092616A 8260 LOW A	26 Sep 16 22:09
20	22	v6020220.d	1.	SEQ-TUN1	QBV6092616A	26 Sep 16 22:48
21	23	v6020221.d	1.	SEQ-TUN1	QBV6092616A	26 Sep 16 23:30
22	24	v6020222.d	1.	SEQ-CAL1	QBV6092616A <2 OW 524	27 Sep 16 00:12
23	25	v6020223.d	1.	SEQ-CAL2	QBV6092616A <2 OW 524	27 Sep 16 00:54
24	26	v6020224.d	1.	SEQ-CAL3	QBV6092616A <2 OW 524	27 Sep 16 01:36
25	27	v6020225.d	1.	SEQ-CAL4	QBV6092616A <2 OW 524	27 Sep 16 02:19
26	28	v6020226.d	1.	SEQ-CAL5	QBV6092616A <2 OW 524	27 Sep 16 03:02
27	29	v6020227.d	1.	SEQ-CAL6	QBV6092616A <2 OW 524	27 Sep 16 03:45
28	30	v6020228.d	1.	MBLK	QBV6092616A	27 Sep 16 04:28
29	31	v6020229.d	1.	SEQ-SCV1	QBV6092616A <2 OW 524	27 Sep 16 05:11
30	32	v6020230.d	1.	SEQ-SCV1	QBV6092616A <2 OW 524	27 Sep 16 05:54
31	33	v6020231.d	1.	SEQ-TUN1	QBV6092616B	27 Sep 16 06:35
32	34	v6020232.d	1.	SEQ-TUN1	QBV6092616B	27 Sep 16 07:18
33	35	v6020233.d	1.	SEQ-CCV1	QBV6092616B <2 OW Y161078	27 Sep 16 08:01
34	36	v6020234.d	1.	BI61262-BS1	QBV6092616B <2 OW Y161081	27 Sep 16 08:43
35	37	v6020235.d	1.	BI61262-BSD1	QBV6092616B <2 OW Y161081	27 Sep 16 09:25
36	38	v6020236.d	1.	BI61262-BLK1	QBV6092616B <2 OW	27 Sep 16 10:07
37	39	v6020237.d	1.	16I0600-01	QBV6092616B 524.2 AF A	27 Sep 16 10:50
38	40	v6020238.d	1.	16I0600-04	QBV6092616B 524.2 AF A	27 Sep 16 11:33
39	41	v6020239.d	1.	16I0600-07	QBV6092616B 524.2 AF A	27 Sep 16 12:15
40		v6020240.d	1.			

Injection Log

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Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	v8003741.d	1.	SEQ-TUN1	V8092616A	26 Sep 16 14:49
2	2	v8003742.d	1.	SEQ-CCV1	V8092616A Y16I078	26 Sep 16 15:21
3	3	v8003743.d	1.	BI61212-BS1	V8092616A Y16I081	26 Sep 16 15:54
4	4	v8003744.d	1.	BI61212-BSD1	V8092616A Y16I081	26 Sep 16 16:21
5	5	v8003745.d	1.	BLK	V8092616A	26 Sep 16 16:49
6	6	v8003746.d	1.	BI61212-BLK1	V8092616A	26 Sep 16 17:17
7	7	v8003747.d	1.	16I0590-33	V8092616A 8260 LOW A	26 Sep 16 17:44
8	8	v8003748.d	1.	16I0590-34	V8092616A 8260 LOW A	26 Sep 16 18:12
9	9	v8003749.d	1.	16I0590-35	V8092616A 8260 LOW AF A	26 Sep 16 18:40
10	10	v8003750.d	1.	16I0590-36	V8092616A 8260 LOW A	26 Sep 16 19:08
11	11	v8003751.d	1.	16I0590-32	V8092616A 8260 LOW A	26 Sep 16 19:35
12	12	v8003752.d	1.	16I0674-01	V8092616A 8260 COMP AF A	26 Sep 16 20:03
13	13	v8003753.d	1.	16I0674-02	V8092616A 8260 COMP AF A	26 Sep 16 20:31
14	14	v8003754.d	1.	16I0673-24	V8092616A NJDEP/TCL/375 A	26 Sep 16 20:58
15	15	v8003755.d	1.	16I0673-25	V8092616A NJDEP/TCL/375 A	26 Sep 16 21:26
16	16	v8003756.d	1.	16I0644-01	V8092616A CP51 A	26 Sep 16 21:54
17	17	v8003757.d	1.	16I0644-02	V8092616A CP51 AF A	26 Sep 16 22:21
18	18	v8003758.d	1.	16I0644-03	V8092616A CP51 AF A	26 Sep 16 22:49
19	19	v8003759.d	1.	16I0648-01	V8092616A CP51 LOW A	26 Sep 16 23:16
20	20	v8003760.d	1.	16I0648-02	V8092616A CP51 LOW AF A	26 Sep 16 23:44
21	21	v8003761.d	1.	16I0648-03	V8092616A CP51 LOW A	27 Sep 16 00:12
22	22	v8003762.d	1.	16I0648-04	V8092616A CP51 LOW AF A	27 Sep 16 00:40
23	23	v8003763.d	1.	16I0648-05	V8092616A CP51 LOW AF A	27 Sep 16 01:08
24	24	v8003764.d	1.	SEQ-TUN1	V8092616B	27 Sep 16 01:36
25	25	v8003765.d	1.	SEQ-TUN1	V8092616B	27 Sep 16 02:03
26	26	v8003766.d	1.	SEQ-CCV1	V8092616B Y16I078	27 Sep 16 02:31
27	27	v8003767.d	1.	BI61263-BS1	V8092616B Y16I081	27 Sep 16 02:59
28	28	v8003768.d	1.	BI61263-BSD1	V8092616B Y16I081	27 Sep 16 03:26
29	29	v8003769.d	1.	BI61263-BLK1	V8092616B	27 Sep 16 03:54
30	30	v8003770.d	1.	BI61263-BLK1	V8092616B	27 Sep 16 04:22
31	31	v8003771.d	1.	16I0648-06	V8092616B CP51 LOW AF A	27 Sep 16 04:50
32	32	v8003772.d	1.	16I0648-07	V8092616B CP51 LOW AF A	27 Sep 16 05:17
33	33	v8003773.d	10.	16I0648-08	V8092616B CP51 LOW 5ML/50ML C	27 Sep 16 05:45
34	34	v8003774.d	10.	16I0648-09	V8092616B CP51 LOW 5ML/50ML C	27 Sep 16 06:13
35	35	v8003775.d	1.	16I0648-10	V8092616B CP51 LOW AF A	27 Sep 16 06:41
36	36	v8003776.d	1.	16I0648-11	V8092616B CP51 LOW AF A	27 Sep 16 07:08
37	37	v8003777.d	1.	16I0648-12	V8092616B CP51 LOW AF A	27 Sep 16 07:36
38		v8003778.d	1.			
39	39	v8003779.d	1.	16I0746-25	V8092616A NJDEP/TCL/375 A	27 Sep 16 08:57
40	40	v8003780.d	1.	16I0746-26	V8092616A NJDEP/TCL/375 A	27 Sep 16 09:25

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Injection Log

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Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	v8003781.d	1.	SEQ-TUN1	V8092716A	27 Sep 16 09:57
2	2	v8003782.d	1.	SEQ-CCV1	V8092716A Y16I078	27 Sep 16 10:24
3	3	v8003783.d	1.	BI61289-BS1	V8092716A Y16I081	27 Sep 16 11:12
4	4	v8003784.d	1.	BI61289-BSD1	V8092716A Y16I081	27 Sep 16 11:39
5	5	v8003785.d	1.	BI61289-BLK1	V8092716A	27 Sep 16 12:07
6	6	v8003786.d	1.	BI61289-BLK1	V8092716A	27 Sep 16 12:35
7	7	v8003787.d	1.	16I0590-17	V8092716A 8260 LOW A	27 Sep 16 13:03
8	8	v8003788.d	10.	16I0644-03RE1	V8092716A CP-51 RE1 5ML/50ML AF B	27 Sep 16 13:31
9	9	v8003789.d	1.	16I0776-01	V8092716A NYCDEP SEWER AF A	27 Sep 16 13:59
10	10	v8003790.d	10.	16I0674-01	V8092716A 8260 COMP 5ML/50ML AF B	27 Sep 16 14:27
11	11	v8003791.d	1.	16I0695-01	V8092716A 8260 LOW A	27 Sep 16 14:55
12	12	v8003792.d	1.	16I0694-01	V8092716A 8260 LOW A	27 Sep 16 15:22
13	13	v8003793.d	1.	16I0690-01	V8092716A BTEX LOW AF A	27 Sep 16 15:50
14	14	v8003794.d	1.	16I0706-01	V8092716A 8260 AF G	27 Sep 16 16:18
15	15	v8003795.d	5.	16I0648-02RE1	V8092716A CP51 10ML/50ML AF B	27 Sep 16 16:45
16	16	v8003796.d	1.	16I0648-06	V8092716A RE CP51 AF B	27 Sep 16 17:13
17	17	v8003797.d	5.	16I0648-07	V8092716A RE CP51 10ML/50ML AF B	27 Sep 16 17:41
18	18	v8003798.d	1.	16I0648-08	V8092716A RE CP51 AF B	27 Sep 16 18:08
19	19	v8003799.d	20.	16I0648-09	V8092716A RE CP51 2.5ML/50ML B	27 Sep 16 18:36
20	20	v8003800.d	5.	16I0648-10	V8092716A RE CP51 10ML/50ML AF B	27 Sep 16 19:04
21	21	v8003801.d	1.	16I0648-11	V8092716A RE CP51 AF B	27 Sep 16 19:32
22	22	v8003802.d	1.	16I0648-12	V8092716A RE CP51 AF B	27 Sep 16 20:00
23	23	v8003803.d	1.	16I0679-01	V8092716A CP51 AF A	27 Sep 16 20:27
24	24	v8003804.d	1.	SEQ-TUN1	V8092716B	27 Sep 16 20:55
25	25	v8003805.d	1.	SEQ-TUN1	V8092716B	27 Sep 16 21:23
26	26	v8003806.d	1.	SEQ-CCV1	V8092716B Y16I078	27 Sep 16 21:51
27	27	v8003807.d	1.	BI61333-BS1	V8092716B Y16I081	27 Sep 16 22:18
28	28	v8003808.d	1.	BI61333-BSD1	V8092716B Y16I081	27 Sep 16 22:46
29	29	v8003809.d	1.	BI61333-BLK1	V8092716B	27 Sep 16 23:14
30	30	v8003810.d	1.	BI61333-BLK1	V8092716B	27 Sep 16 23:42
31	31	v8003811.d	1.	16I0691-01	V8092716B BTEX LOW D	28 Sep 16 00:09
32	32	v8003812.d	1.	16I0691-02	V8092716B BTEX LOW AF D	28 Sep 16 00:37
33	33	v8003813.d	1.	16I0691-03	V8092716B BTEX LOW AF D	28 Sep 16 01:05
34	34	v8003814.d	1.	16I0693-01	V8092716B BTEX LOW D	28 Sep 16 01:33
35	35	v8003815.d	1.	16I0693-02	V8092716B BTEX LOW AF D	28 Sep 16 02:01
36	36	v8003816.d	1.	16I0693-03	V8092716B BTEX LOW D	28 Sep 16 02:29
37	37	v8003817.d	1.	16I0696-01	V8092716B BTEX LOW D	28 Sep 16 02:56
38	38	v8003818.d	1.	16I0696-02	V8092716B BTEX LOW AF D	28 Sep 16 03:24
39	39	v8003819.d	1.	16I0696-03	V8092716B BTEX LOW D	28 Sep 16 03:52
40	40	v8003820.d	1.	16I0696-04	V8092716B BTEX LOW D	28 Sep 16 04:19
41	41	v8003821.d	1.	16I0697-01	V8092716B BTEX LOW AF A	28 Sep 16 04:47
42	42	v8003822.d	1.	16I0697-02	V8092716B BTEX LOW AF C	28 Sep 16 05:15
43	43	v8003823.d	1.	16I0697-03	V8092716B BTEX LOW AF A	28 Sep 16 05:42
44	44	v8003824.d	1.	16I0699-01	V8092716B BTEX LOW A	28 Sep 16 06:10
45	45	v8003825.d	1.	16I0699-02	V8092716B BTEX LOW A	28 Sep 16 07:52
46		v8003826.d	1.			