ECM

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PERIODIC REVIEW REPORT
GROUND WATER RECOVERY AND
TREATMENT SYSTEM MONITORING ANNUAL REPORT
JANUARY 2016 – DECEMBER 2016

FORMER KAY FRIES SITE
STONY POINT, NEW YORK
SITE NO. 344023

SUBMITTED TO:

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1.0 INTRODUCTION

This *Periodic Review Report* (PRR) has been prepared by Environmental Compliance Monitoring, Inc. (ECM) on behalf of Evonik Corporation (Evonik) for the Former Kay Fries, Inc. site, located in Stony Point, New York and incorporating the period January 2016 through December 2016. Submission of the PRR was completed as part of the current New York State Department of Environmental Conservation (NYSDEC) monitoring and reporting requirements for the site; Site No. 344023.

The site is located at the terminus of Kay-Fries Drive, east of Route 9W in Stony Point, Rockland County (Figure 1). The portions of the site property subject to this PRR are referred to as Operable Unit 1 (OU1), located to the east of the railroad tracks and Operable Unit 2 (OU2) located to the west of the railroad tracks (Figure 2). During 1990, site investigations were conducted within the OU1 and OU2 sections of the site. The results of the OU1 investigation revealed contaminated soil associated with former process chemical storage tanks, which required downgradient monitoring wells be installed that indicated the presence of benzene and chlorinated solvents in shallow ground water. An OU1 Record of Decision (ROD) executed in 1994 by the NYSDEC required the installation of three ground water recovery trenches and a ground water treatment system (GWTS) to address the identified area of ground water contamination.

Based upon the successful remediation conducted from 1995 through 2013 and the relatively low compound concentrations remaining at the site, a ground water monitoring program combined with the MW-31 in-situ remediation was proposed to evaluate ground water quality conditions.

The NYSDEC approved suspension of the GWTS as a result of significantly decreased contaminant levels impacting groundwater below the OU1 section of the site. The current long term ground water monitoring program within OU1 was proposed in lieu of continued GWTS operation to evaluate ground water quality conditions. The NYSDEC approved permanent cessation of the GWTS in their 2012 PRR – Requested Modifications letter dated August 12, 2013 (Final NYSDEC PRR approval letter dated October 15, 2013). Subsequently, in their letter dated August 15, 2013, the NYSDEC approved the GWTS Decommissioning Plan dated August 2, 2013.

During 2016, the long term ground water monitoring program within OU1 consisted of semi-annual monitoring of MW-31, MW-36, and MW-71, annual monitoring of MW-24 and PZ-23, and every fifth

quarter of MW-40, MW-43, TB-9, and MW-54 (OU2). The results are presented in Section 5.3 of this PRR.

Relative to the OU2 section of the site, three phases of remedial investigation were conducted from 1994 through 1995. The findings of the investigation were submitted to the NYSDEC within one report, titled *Final Remedial Investigation Report, Operable Unit Two* (dated June 23, 1997), summarizing the comprehensive results of the three investigative phases conducted within OU2. The findings of the OU2 investigations concluded that two volatile organic compounds (VOCs; tetrachloroethene [PCE] and 1,1,1-trichloroethane [TCA]) were the only compounds reported above the NYSDEC – Ground Water Quality Criteria (GWQC) in ground water and that the PCE and TCA levels were naturally attenuating.

In the ROD issued for OU2 in November 1997, the NYSDEC determined that the installation of a ground water interceptor sump and treatment via aeration was the most appropriate remedial action for VOCs impacting ground water within OU-2. The interceptor sump commenced operation and effectively reduced VOC levels during December 2000 through May 2004. Due to the effective operation of the interceptor sump, the NYSDEC approved closure of the interceptor sump on a permanent basis in the NYSDEC letter dated July 8, 2004. The OU2 interceptor sump was decommissioned with the OU1 GWTS closure as presented in the OU1 and OU2 GWTS Decommissioning Plan dated August 2, 2013, and approved by the NYSDEC in their letter dated August 15, 2013.

The NYSDEC response to the 2014 PRR, required the continued monitoring of one well (MW-54) every fifth quarter within the OU-2 section of the site relative to the PCE reported in ground water above the GWQC. Monitoring well MW-54 sampling was conducted in December of 2015 with the results reported in the 2015 PRR. The next sampling event will be conducted during March 2017.

2.0 SITE OVERVIEW

2.1 KAY FRIES PROPERTY

The former Kay Fries Inc., facility is located in Stony Point in Rockland County, New York. The site occupies approximately 85 acres to the east of Route 9W at the town's southern boundary. The property is bounded on the north by Cedar Pond Brook and on the east by Minisceongo Creek; both are tidally-influenced tributaries of the Hudson River Estuary. The surrounding area west of the site is generally commercial and residential; large industrial complexes are located to the north and south of the site. Directly south of the property is the Haverstraw municipal landfill.

Operations as a specialty chemical plant reportedly began at the site by predecessor companies to Dynamit-Nobel of America (DNA) during the 1930s. During 1987, DNA sold the site to Universal Process Equipment (UPE). UPE sold the central portion of the facility to Insl-X Products Corporation (Insl-X), which manufactured industrial paints and coatings. Products were manufactured in one main building at the site. Two underground storage tanks (USTs) were located in the northern section of the building, which were used to store solvents for paint additives. Drummed waste solvents and paints were stored in a partially enclosed corrugated steel building in the southern portion of the facility. The property was sold by DNA during 1988 after relocation of production activities. Site environmental investigation and remedial investigations of these activities were initiated during 1981. Based upon the site investigation findings, remedial alternatives were evaluated during the late 1980s, which selected ground water recovery and treatment as the remedial alternative for the site.

2.2 SITE REMEDIAL PROGRAM

The ground water recovery system at the former Kay Fries site consisted of three recovery trenches. Trench 1 was installed as an Interim Remedial Measure (IRM) during August 1994. Trenches 2 and 3 were installed during June 1995 as part of the final remedy required in the ROD for Operable Unit 1, dated April 14, 1994.

Based upon the successful remediation conducted from 1995 through 2013 and the relatively low compound concentrations remaining at the site, a ground water monitoring program was proposed to evaluate ground water quality conditions over time.

During 2012, the NYSDEC approved suspension and decommissioning of the GWTS, Trench 1 and Trench 2 as a result of significantly decreased contaminant levels impacting ground water below the OU1 section of the site. Subsequently, the NYSDEC approved the GWTS Decommissioning Plan in 2013.

Based on the favorable results of long term monitoring data, and adjacent property redevelopment activities proposed for the area of Trench 3 during 2006, Evonik requested decommissioning of Trench 3 in correspondence to the NYSDEC dated March 9, 2006. The NYSDEC subsequently approved the request for Trench 3 closure in their correspondence dated August 3 and August 28, 2006, and closure activities were completed during July 2007.

2.3 CURRENT SITE STATUS AND REMEDY

During a site meeting with the NYSDEC on May 19, 2011, Evonik and ECM outlined the current conditions of the GWTS and the requirements to upgrade the antiquated control panel, replace the carbon vessels and equipment (i.e., pumps and level controls) that would be necessary to re-activate the GWTS, and projected cost for the upgrades. Based upon the successful remediation conducted from 1995 through the present and the relatively low compound concentrations remaining at the site, a ground water monitoring program to evaluate ground water quality conditions over time was proposed in lieu of GWTS upgrade and continued operation.

The NYSDEC conditionally approved the proposed ground water monitoring program and enhanced in-situ remediation surrounding MW-31 in their e-mail dated April 23, 2012. On August 2, 2013, a GWTS Decommissioning and Closure Workplan inclusive of the OU2 interceptor sump was submitted to the NYSDEC. The decommissioning and closure workplan was subsequently approved by the NYSDEC.

In accordance with the Decommissioning and Closure Workplan submitted on August 2, 2013, the GWTS, inclusive of the OU2 interceptor sump, was decommissioned during November 29th, 2016 through December 1st, 2016. The details of decommissioning and closures activities will be submitted to the NYSDEC under separate cover.

3.0 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

The OU1 GWTS was effectively processing ground water from three Recovery Trenches 1, 2, and 3 and was compliant with the NYSDEC effluent discharge criteria from inception of operation during 1995 through 2010. As a result of effective GWTS operations, a significant reduction in contaminant levels was achieved. A comparative review of historical analytical data from the investigative results during 1990 and 1991 which reported significantly higher concentrations of benzene (67,000 µg/L) and chlorobenzene (260 µg/L) in the source area well (TB-9) have been successfully reduced to not detected levels in TB-9 and downgradient of the former Trench 1. The total VOC concentration affecting ground water quality surrounding MW-31 upgradient of the former Trench 2 have also been reduced approximately 90 percent from the initial investigation during 1990.

During the 2016 monitoring period, synoptic water level measurements were collected and ground water monitoring was conducted as required by the site monitoring program.

4.0 INSTITUTIONAL AND ENGINEERING CONTROL PLAN COMPLIANCE REPORT

Currently, there are no institutional controls recorded for the site. The institutional control for the site will be a Deed Restriction and/or Environmental Easement that will be included as an addendum to the Site Management Plan (SMP), which was submitted to the NYSDEC under separate cover.

The engineering control to mitigate ground water at the site previously entailed the GWTS and recovery network, which effectively processed and treated ground water from the recovery trenches. As a result of the successful GWTS operations (1995 through 2010), the compound concentrations have decreased to marginal levels in the upgradient wells across the site and have remained below the NYSDEC GWQC with minor exceptions, in the downgradient wells. The low level VOCs remaining in ground water will not impact environmental receptors as there are no receptors downgradient east of the site.

5.0 MONITORING PLAN COMPLIANCE REPORT

5.1 GROUND WATER FLOW

During this reporting period and as required by the site monitoring program, synoptic water level measurements were collected from the site wells and piezometers within OU1 and OU2 on September 27, 2016. The synoptic water level-elevation data is compiled and summarized in Appendix A, and ground water level-elevation contour maps for OU1 and OU2 event are presented as Figures 3 and 4.

Ground water flow direction upgradient of the former Recovery Trenches 1 and 2 is consistent with ground water flow patterns historically observed within OU1. Ground water flow is oriented primarily to the east, with a slight southeast component observed during 2016. The ground water flow patterns within OU2 during the same period are oriented primarily to the east/northeast as observed historically for this section of the site.

5.2 GROUND WATER MONITORING PROGRAM

5.2.1 Long Term Ground Water Monitoring Program

The long-term ground water monitoring program for the OU1 portion of the site was approved by the NYSDEC during January 1997. The monitoring program originally consisted of sampling nine monitoring wells: TB-9, TB-23, MW-28, MW-31, MW-35, MW-41, MW-43, MW-49, and MW-61. Wells MW-35, MW-41 and MW-49 were removed from the monitoring program in 2002 following an extended period of non-detected results for all VOC constituents. Starting in the first semi-annual 2007 monitoring period, semi-annual sampling of MW-40 was added to the monitoring program to assess ground water quality upgradient of the former Trench 3 subsequent to Trench 3 closure. Based upon effective GWTS operations and decreasing VOC levels reported below the OU1 section of the site, several wells were proposed to be eliminated from the monitoring program in previous PRRs. The current 2016 long term ground water monitoring program entailed sampling MW-31 and MW-36 (semi-annually), PZ-23 and MW-24 (annually) and TB-9, MW-40, and MW-43 (every fifth quarter). Monitoring well MW-54 within the OU2 portion of the site will be sampled every fifth quarter.

The wells from commencement of the monitoring program were analyzed for NYSDEC Target Compound List (TCL) VOCs plus 15 library search compounds, including a search for Methyl Isobutyl Ketones [MIBK] and 1,4-dioxane (TCL-VOC+15). Additionally during 2007, four monitoring points along the eastern property boundary (PZ-12, MW-33S, MW-43, and MW-44) were sampled annually through 2011 to

assess potential impact to site ground water from adjacent landfilling activities. These samples were analyzed for TCL Base Neutral Compounds (BNs) plus 15 library search compounds (TCL-BN+15), priority pollutant metals (PP Metals) and manganese. The 2011 PRR findings indicated that the select metals reported in these wells were a result of the backfill and landfilling activities during construction of the adjacent property east of the site. As such, it was proposed to cease sampling from these wells and the NYSDEC subsequently concurred as documented in their April 23, 2012 letter.

5.2.2 MW-31 In-Situ Post-Application Ground Water Monitoring Program

Based upon the successful GWTS operation combined with the MW-31 in-situ remediation during 2012, VOC concentrations have been significantly reduced in ground water below the OU-1 section of the site. Based on these results, a combined ground water monitoring program consisting of the long term ground water monitoring wells and the MW-31 in-situ post-application wells were included in the monitoring program to evaluate the response and effectiveness of the RegenOx® /ORC Advanced® treatment to ground water quality conditions.

5.2.3 MW-24 and MW-71 Delineation Results Ground Water Monitoring Program

The OU1 MW-31 In-Situ Workplan (March 2012) presented the details of the proposed subsurface application of RegenOx® combined with ORC Advanced® to enhance ground water remediation in the area proximal to MW-31. As part of the NYSDEC Workplan approval, and as proposed and approved by the NYSDEC in the MW-24 and MW-71 Delineation Results Report, MW-24 sampling was included in the annual monitoring program (September 2015).

The MW-31 In-Situ WP proposed installation of three delineation monitoring wells, MW-70, MW-71 and MW-72, during July 2012 to assess the effectiveness of the in-situ remediation. The three wells were installed up-gradient (MW-71) and cross-gradient (MW-70 and MW-72) of MW-31. During the December 2012 post-application sampling of MW-71 (up-gradient well), DNAPL was observed within the well. The DNAPL was reported to the NYSDEC in an e-mail dated March 18, 2013, entitled *MW-31 Workplan Results Summary*. The Results Summary stated that the DNAPL would be gauged and sampled to assess the composition of the material.

Based on the chlorinated VOCs reported in MW-24 and DNAPL in MW-71, the NYSDEC requested a delineation workplan to assess the extent of the VOCs and DNAPL proximal to MW-24 and MW-71,

respectively. The MW-24 and MW-71 Delineation Workplan was submitted to the NYSDEC on August 2, 2013. The NYSDEC approved the MW-71 and MW-24 Delineation Workplan in their letter dated August 26, 2013.

The results of the MW-24 and MW-71 delineation program were submitted to the NYSDEC on August 8, 2014 and subsequently approved by the NYSDEC in their letter dated October 9, 2014.

Based on the results, the delineation of VOCs reported in MW-24 has been completed and annual monitoring of MW-24 and downgradient well PZ-23 was proposed concurrent with the OU1 long term ground water monitoring program. The MW-24 and PZ-23 sampling was conducted on September 27, 2016 and the results are presented in Section 5.3 of this PRR.

5.2.4 Current Ground Water Monitoring Program

Based on the results of the long-term ground water monitoring program presented in the 2015 PRR, the NYSDEC approved the following 2016 ground water monitoring program for the OU1 and OU2 wells:

Long Term Ground Water Monitoring Program		
Monitoring Well	**Frequency**	**Analytical Program**
Operable Unit 1		
MW-31	Semi-Annual	TCL-VOC+15 w/search MIBK, 1,4-dioxane
MW-36	Semi-Annual	TCL-VOC+15 w/search MIBK, 1,4-dioxane
MW-71	Semi-Annual	TCL-VOC+15 w/search MIBK, 1,4-dioxane
PZ-23	Annually, September	TCL-VOC+15 w/search MIBK, 1,4-dioxane
MW-24	Annually, September	TCL-VOC+15 w/search MIBK, 1,4-dioxane
TB-9	Every 5th Quarter, March 2017	TCL-VOC+15 w/search MIBK, 1,4-dioxane
MW-40	Every 5th Quarter, March 2017	TCL-VOC+15 w/search MIBK, 1,4-dioxane
MW-43	Every 5th Quarter, March 2017	TCL-VOC+15 w/search MIBK, 1,4-dioxane
Operable Unit 2		
MW-54	Every 5th Quarter, March 2017	TCL-VOC+15 w/search MIBK, 1,4-dioxane

The results of the OU1 and OU2 ground water monitoring program are presented in the subsections below.

5.3 OU1 Monitoring Results

The 2016 sampling of the aforementioned OU1 wells were performed during March and September 2016. The wells were analyzed for TCL-VOCs+15 and a search for MIBK and 1,4-dioxane. The laboratory

analysis was performed by Test America (TA) Laboratories of Edison, New Jersey, a New York State certified laboratory (NYSDEC Certification #11452). The results of the March and September 2016 ground water monitoring events for OU1 are summarized on Tables 1 and 2 and depicted on Figure 5. The analytical data package is included in Appendix B.

5.3.1 March 2016 Monitoring Results

Semi-annual ground water sampling was conducted on March 31st, 2016. The sampling results are presented on Table 1 and depicted on Figure 5. The results of the March sampling event are presented below.

Review of the analytical results indicated that only monitoring wells, MW-31 and MW-71, reported select VOCs above the NYSDEC-GWQC. The results are summarized below.

a. Three VOCs were reported in MW-31: benzene, chlorobenzene, and chloroethane. Review of the historical summary of VOCs reported in MW-31 (Table 3) is indicative of these target compounds being historically detected above their respective GWQC in this well; however, benzene and chloroethane concentrations have decreased since the 2012 in-situ remediation.

b. The results from the downgradient well, MW-36 reported VOCs as not detected above the laboratory Method Detection Level (MDL) during March, consistent with previous sampling events indicating that compounds of concern reported in MW-31 are not migrating downgradient to MW-36.

c. The MW-71 upgradient well reported benzene and chlorobenzene at levels above the GWQC, but at lower levels than previous sampling events (Table 4).

5.3.2 September 2016 Monitoring Results

The annual ground water monitoring event was conducted on September 27th, 2016. The September 2016 event included monitoring wells PZ-23, MW-24, MW-31, MW-36, and MW-71. The analytical results are presented on Table 2 and depicted on Figure 5. Review of the analytical results indicated that out of the five wells analyzed for TCL-VOC+15, three wells, MW-24, MW-31, and MW-71, were reported with select VOCs above the NYSDEC-GWQC. The results are summarized below.

a. As proposed in the MW-24 and MW-71 Delineation Results Report and approved by the NYSDEC in their letter dated October 9, 2014, sampling of MW-24 and downgradient well PZ-23 would be conducted annually during September of each calendar year concurrent with the long term ground water monitoring program. The MW-24 delineation results concluded that the delineation of the VOCs was successful; that anaerobic reductive dechlorination is occurring; the VOC levels are localized towards MW-24; and, based on the delineation results, a decreasing trend in VOCs would be expected to continue over time. Review of the MW-24 results indicated that the VOCs historically reported in MW-24 (chlorobenzene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, trichloroethene [TCE], and vinyl chloride) were reported above the GWQC during the September sampling event (Table 2). The levels reported in MW-24 were consistent with previous results; however, at lower levels than were reported during the September 2015 event (Table 5).

b. The PZ-23 results (downgradient east of MW-24; Table 2; Figure 5) were reported as not detected or below the NYSDEC GWQC indicating that the levels reported in MW-24 are not migrating downgradient to the east.

c. Three VOCs (benzene, chlorobenzene, and chloroethane) were reported in MW-31 above the GWQC, at levels consistent with the March 2016 sample event. During 2014 through 2016 these three compounds have been the only VOCs reported in MW-31 at overall lower levels (Table 3).

d. The results from the downgradient well, MW-36, indicated VOCs were not detected or below the GWQC, indicating that the levels reported in MW-31 are not migrating downgradient to the east and remain localized to MW-31.

e. The upgradient well MW-71 contained benzene and chlorobenzene at levels above the GWQC but at lower concentrations than reported during 2015 (Table 4).

5.3 OU2 Monitoring Results

The OU2 monitoring well MW-54 was not sampled during the 2016 monitoring period. MW-54 is scheduled to be sampled every fifth quarter, which will be conducted during March 2017.

6.0 OPERATION AND MAINTENANCE PLAN COMPLIANCE REPORT

Operation and maintenance activities were not conducted during the January 2016 through December 2016 period as a result of the GWTS cessation, decommissioning and closure. As previously stated, the OU1 and OU2 GWTS components were decommissioned and closed during November 29th through December 1st, 2016 and a report of the decommissioning activities will be submitted under separate cover.

7.0 TECHNICAL CONCLUSIONS AND RECOMMENDATIONS

The site monitoring plan activities conducted during January through December 2016 monitoring period are summarized below.

- The site wide ground water monitoring program was conducted during March and September 2016.

- This Periodic Review Report was prepared for the period January through December 2016.

Based upon the information presented herein, the conclusions and recommendations for the OU1 section of the site are presented below.

1. The results of the monitoring events conducted during January through December 2016 has documented the continued decreasing trend of the low level VOCs reported in the wells with minor fluctuation in the reported results. The results in two of the five wells (MW-36 and PZ-23) were reported at levels below or not detected above the GWQC since the inception of the revised monitoring program during 2012.

2. Three VOCs (benzene, chlorobenzene, chloroethane) were reported in MW-31 during the two sampling events (March and September) in 2016. These three VOCs are the only three compounds reported in MW-31 since 2013. The concentration of benzene and chloroethane has decreased by an average of roughly 40 percent and 50 percent, respectively, during the 2016 monitoring period compared to the 2015 monitoring period and a decreasing trend has been observed since the in-situ remediation during 2012 (Table 3). The concentration of chlorobenzene continues to fluctuate however, decreasing from September 2015. As previously reported, the absence of compounds of concern downgradient of MW-31 (in MW-36; Figure 5) document that the reported VOCs are localized to the area around MW-31 and are not substantially migrating downgradient to the east.

3. The VOC concentrations reported in MW-24 remain localized to the area proximal to MW-24 (Figure 5). The presence of the degradation compounds (cis-1,2-dichloroethene, trans-1,2-

dichloroethane, and vinyl chloride) is an indicator that anaerobic reductive dechlorination is occurring in the area proximal to MW-24. As such, over time, a decreasing trend in VOCs is expected. The trichloroethene concentration has decreased consistently since 2013, the other VOC (chlorobenzene, cis-1,2-dichloroethene, trans-1,2-dichloroethane, and vinyl chloride) concentrations remain consistently at low levels but have fluctuated over time. (Table 5). The absence of these VOCs further downgradient of MW-24 in PZ-23 (Figure 5) document that the reported VOCs are localized to the area around MW-24 and not migrating downgradient to the east. Therefore, it is proposed to continue to sample MW-24 and down-gradient well PZ-23 annually.

4. The VOC concentrations reported in the MW-71 ground water samples have been limited to benzene (4.3 µg/L) and chlorobenzene (60 to 64 µg/L), above the NYSDEC GWQC (Table 4). These two VOCs are the only compounds detected in MW-71 since the inception of the monitoring program during 2012. The levels reported in MW-71 during 2016 have decreased from the 2015 monitoring period. The presence of only these two VOC compounds in MW-71 is an indication that the DNAPL is not highly water soluble, as previously characterized by Dakota Technologies, Inc. during the MW-71 delineation program. Additionally, VOC concentrations have been reported as not detected in down-gradient well MW-36, which further supports that the DNAPL is not contributing to VOCs in ground water down-gradient to the east.

5. Relative to the monitoring program for the OU1 monitoring wells TB-9, MW-40, and MW-43 and OU2 monitoring well MW-54, these wells are scheduled to be sampled every fifth quarter, which will be during March 2017. The results of monitoring program for these four wells will be reported in the 2017 PRR. As proposed in the 2015 PRR, if the results of the TB-9 sampling are reported below the GWQC, sampling of this well will be discontinued.

Based on the VOC levels reported during the monitoring period, it is proposed to continue the long term monitoring program as presented below.

Long Term Ground Water Monitoring Program Former Kay Fries Site Evonik Corporation Stony Point, New York		
Monitoring Well	***Frequency***	***Analytical Program***
Operable Unit 1		
TB-9	March 2017[a]	TCL-VOC+15 w/search MIBK, 1,4-dioxane
MW-31	Semi-Annual-March, September	TCL-VOC+15 w/search MIBK, 1,4-dioxane
MW-36	Semi-Annual-March, September	TCL-VOC+15 w/search MIBK, 1,4-dioxane
PZ-23	Annually, September	TCL-VOC+15 w/search MIBK, 1,4-dioxane
MW-24	Annually, September	TCL-VOC+15 w/search MIBK, 1,4-dioxane
MW-71	Semi-Annual-March, September	TCL-VOC+15 w/search MIBK, 1,4-dioxane
MW-40	Every 5th Quarter, March 2017	TCL-VOC+15 w/search MIBK, 1,4-dioxane
MW-43	Every 5th Quarter, March 2017	TCL-VOC+15 w/search MIBK, 1,4-dioxane
Operable Unit 2		
MW-54	Every 5th Quarter, March 2017	TCL-VOC+15 w/search MIBK, 1,4-dioxane

a – As proposed in the 2015 PRR, if VOC results are reported below the GWQC during March 2017 event, discontinue sampling of TB-9.

During 2016, collect synoptic water level measurements from the wells within OU1 and OU2 during September to coincide with the annual ground water monitoring program.

TABLES

Table 1
Analytical Summary of Monitoring Results - OU1; March 2016
Former Kay Fries Site – Evonik Corporation – Stony Point, New York
ECM Project #1192

	Operable Unit 1			
Sample Identification	MW-31	MW-36	MW-71	GWQC
Sample Date	3/31/2016	3/31/2016	3/31/2016	(ug/L)
Laboratory Identification	460-111491-1	460-111491-2	460-111491-3	
TCL Volatile Organics				
1,1-Dichloroethane	ND <0.24	ND <0.24	2.1	5
Benzene	***8.1***	ND <0.090	***4.3***	1
Chlorobenzene	***160***	ND <0.24	***60***	5
Chloroethane	***98***	ND <0.37	0.67 J	50
Toluene	0.40 J	ND <0.25	ND <0.25	5
Total VOC	266.5	0	67.07	NA
Total VOC TICs	77.0	0	16.0	500

NOTES:

All results reported in micrograms per liter (ug/L).

GWQC	:Ground Water Quality Criteria; NYSEDEC, T.O.G.S. 1.1.1 (June 1998; June 2004)
*TICs	:Tentatively Identified Compounds
ND	:Compound Not Detected at indicated method detection limit.
BOLD	:Concentration reported above the listed GWQC
J	:Estimated value greater than the Method Detection Limit but lower than the reporting limit.
NA	:No applicable GWQC.

Table 2
Analytical Summary of Monitoring Results - OU1; September 2016
Former Kay Fries Site – Evonik Corporation – Stony Point, New York
ECM Project #1192

Sampling Location	Operable Unit 1					
Sample Identification	PZ-23	MW-36	MW-31	MW-24	MW-71	GWQC
Sample Date	9/27/2016	9/27/2016	9/27/2016	9/27/2016	9/27/2016	(ug/L)
Laboratory Identification	460-121166-3	460-121166-4	460-121166-5	460-121166-6	460-121166-7	
TCL Volatile Organics						
1,1-Dichloroethane	ND <0.24	ND <0.24	ND <0.24	ND <0.24	2.5	5
Benzene	ND <0.090	ND <0.090	***8.8***	0.86 J	***4.3***	1
Chlorobenzene	ND <0.24	1.1	***170***	***46***	***64***	5
Chloroethane	ND <0.37	ND <0.37	***130***	ND <0.37	ND <0.37	5
cis-1,2-Dichloroethene	ND <0.26	ND <0.26	ND <0.26	***36***	ND <0.26	5
Tetrachloroethene	ND <0.12	0.18 J	0.20 J	0.70 J	ND <0.12	5
Toluene	ND <0.25	ND <0.25	0.67 J	ND <0.25	ND <0.25	5
trans-1,2-Dichloroethene	ND <0.18	ND <0.18	ND <0.18	***25***	ND <0.18	5
Trichloroethene	ND <0.22	ND <0.22	ND <0.22	***7.3***	ND <0.22	5
Vinyl Chloride	ND <0.060	ND <0.060	ND <0.060	***5.2***	ND <0.060	2
Xylenes, Total	ND <0.28	ND <0.28	0.39 J	ND <0.28	ND <0.28	5
Total VOCs	0.0	1.28	310.06	121.06	70.8	NA
Total VOC TICs	7.3	0.0	88.3	0.0	19.0	500

NOTES:

All results reported in micrograms per liter (ug/L).

GWQC :Ground Water Quality Criteria; NYSEDEC, T.O.G.S. 1.1.1 (June 1998; June 2004)

*TICs :Tentatively Identified Compounds

ND<1.0 :Compound Not Detected at indicated method detection limit.

BOLD :Concentration reported above the listed GWQC

J :Estimated value greater than the Method Detection Limit but lower than the reporting limit.

NA :No applicable GWQC.

Table 3
Historical Summary of Detected Volatile Organic Compounds Monitoring Well MW-31(ug/L)
Former Kay Fries Site
Evonik Corporation, Stony Point , New York
ECM Project No.1192

Volatile Organics	Dec-90	Feb-97	May-97	Aug-97	Nov-97	May-98	Aug-98	May-99	Nov-99	May-00	Nov-00	May-01	Nov-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Oct-04	Oct-05	Jun-06	Oct-06	Apr-07	GWQC
1,1,1 Trichloroethane	**310**	**17**	**80**	ND	ND	4.5	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1-Dichloroethane	**1,700**	**1300**	**1500**	**570**	**98**	**200**	**87**	**19**	1	**43**	1.8	**6.6**	ND	ND	ND	**12**	ND	**12**	ND	ND	ND	ND	**36**	5
Benzene	ND	**89**	**84**	**130**	**61**	**21**	**42**	**8.1**	**29**	**27**	**35**	**7.5**	**31**	**28**	**41**	**26**	**55**	**14**	**46**	**28**	**16**	**27**	**26**	1
Chlorobenzene	**55**	**160**	**180**	**210**	**81**	**41**	**110**	**18**	**49**	**66**	**84**	**27**	**72**	ND	**140**	**110**	**270**	**53**	**200**	**250**	**110**	**230**	**100**	5
Chloroethane	**780**	**370**	**290**	**390**	**240**	**120**	**460**	**59**	**190**	**99**	**500**	**50**	**350**	**1000**	**900**	**550**	**570**	**270**	**150**	**5.7**	**190**	**18**	**670**	5
Toluene	**7**	1.9	2.4	1.9	1.8	ND	ND	ND	0.5	ND	ND	ND	ND	**76**	ND	ND	1.4	ND	0.7	1	ND	0.9	ND	5
Vinyl Chloride	ND	**11**	ND	**8.8**	**2.9**	**2.5**	**2.3**	ND	ND	ND	**3.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	2

Table 3 Continued
Historical Summary of Detected Volatile Organic Compounds Monitoring Well MW-31(ug/L)
Former Kay Fries Site
Evonik Corporation, Stony Point , New York
ECM Project No.1192

Volatile Organics	Oct-07	Apr-08	Apr-09	Dec-09	Jun-10	Nov-10	Apr-11	Aug-11	Jun-12	Aug-12	Dec-12	Mar-13	Jun-13	Sep-13	Jan-14	Mar-14	Jun-14	Sep-14	Dec-14	Mar-15	Sep-15	Mar-16	Sep-16	GWQC
1,1,1 Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	1.7J	0.31J	0.85J	ND	ND	3	**190**	0.59 J	ND	ND	0.49 J	0.20 J	ND	ND	ND	ND	ND	5
Benzene	**14**	**27**	**33**	**38**	**14**	**28**	**32**	**22**	**14**	**13**	0.2 J	0.15 J	**61**	**33**	**42**	**34**	**20**	**32**	**32**	**11**	**18**	**8.1**	**8.8**	1
Chlorobenzene	**190**	**150**	**190**	**200**	**160**	**220**	**210**	**240**	**210**	**230**	1.5	ND	**200**	**270**	**200**	**180**	**240**	**250**	**180**	**89**	**230**	**160**	**170**	5
Chloroethane	3.6	**440**	**820**	**750**	**110**	**250**	**540**	**260**	**350**	**320**	4	ND	**1,100**	**210**	**1,100**	**1,500**	**330**	**470**	**760**	**250**	**230**	**98**	**130**	5
Toluene	0.9	ND	3.2	ND	ND	0.73J	0.91J	0.79J	0.51J	0.66J	ND	ND	4.9 J	1.1	3.9	1.1 J	0.54 J	1.5 B	ND	2.1	0.81 J	0.40 J	0.67 J	5
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3.3 J**	ND	ND	ND	ND	0.19 J	ND	ND	ND	ND	ND	2

Notes:
GWQC - NYSDEC Ground Water Quality Criteria
ND = Compound Not Detected Above Laboratory Method Detection Limit (MDL).
Bold: Result Exceeds NYSDEC GWQC.
J: Estimated value greater than the MDL but lower than the Reporting Limit (RL).
B: Compound was found in the blank and sample

Table 4
Historical Summary of Detected Volatile Organic Compounds Monitoring Well MW-71 (ug/L)
Former Kay Fries Site
Evonik Corporation, Stony Point, New York
ECM Project No. 1192

Volatile Organics	Aug-12	Dec-12	Mar-13	Jun-13	Sep-13	Jun-14	Sep-14	Mar-15	Sep-15	Mar-16	Sep-16	GWQC
Benzene	**13**	**19**	**15**	**11**	**12**	**11**	**7.6**	1	**13**	**4.3**	**4.3**	1
Chlorobenzene	**200**	**210**	**180**	**120**	**190**	**160**	**120**	**17**	**160**	**60**	**64**	5

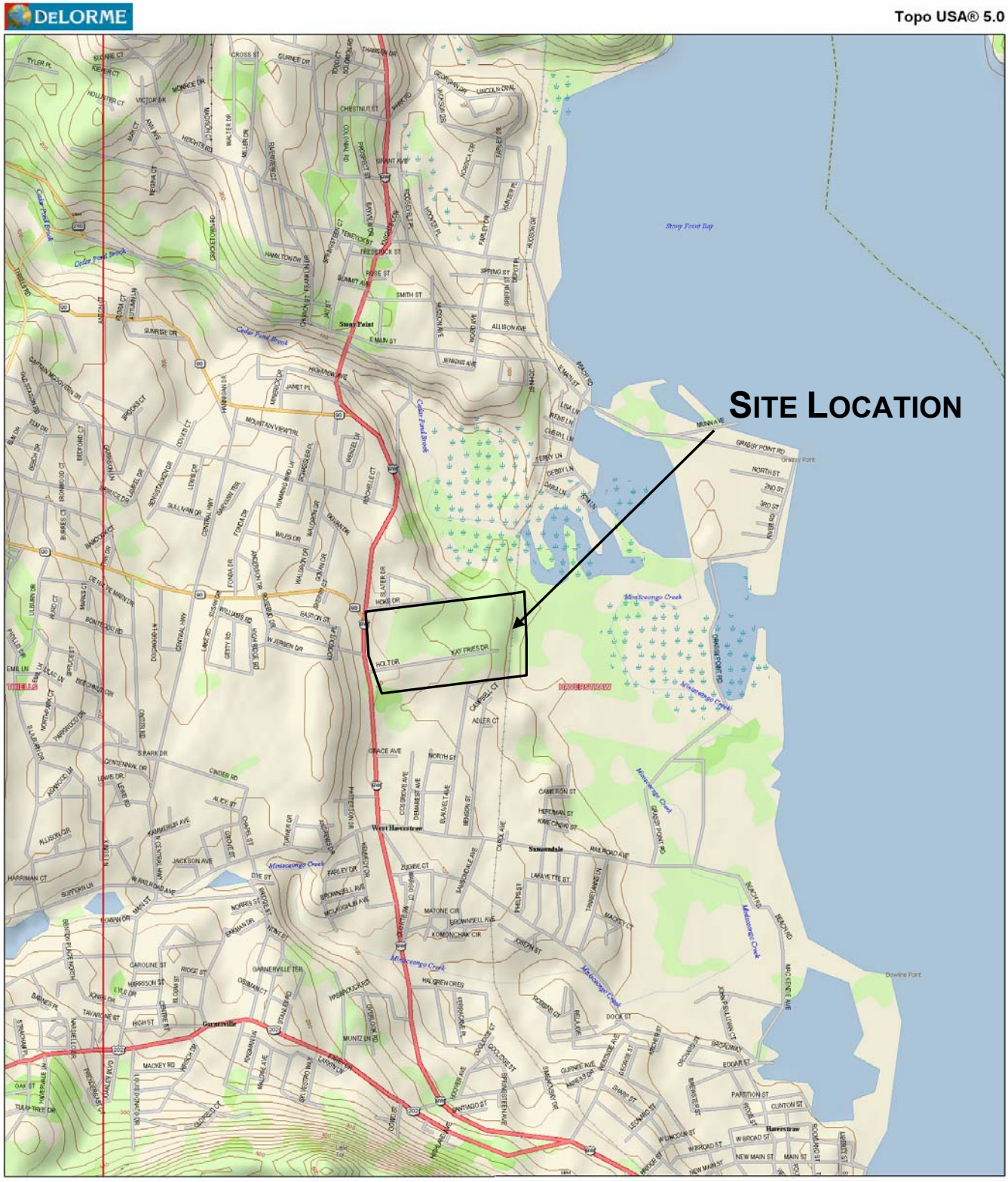
Notes:
GWQC: NYSDEC Ground Water Quality Criteria.
ND: Compound Not Detected
Bold: Compound Reported Above GWQC

Table 5
Historical Summary of Detected Volatile Organic Compounds Monitoring Well MW-24 (ug/L)
Former Kay Fries Site
Evonik Corporation, Stony Point, New York
ECM Project #1192

Sample ID	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	MW-24	
Volatile Organics	August 2011	August 2012	December 2012	July 2013	September 2013	March 2014	September 2014	September 2015	September 2016	GWQC
Benzene	**1.7**	0.93 J	**1.3**	**1.1**	0.37 J	ND<0.080	0.41 J	0.96 J	0.86 J	1
Chlorobenzene	**43**	**41**	**55**	**46**	**24**	**25**	**21**	**58**	**46**	5
Cis-1,2-dichloroethene	**20**	**31**	**48**	**34**	**38**	**49**	**32**	**47**	**36**	5
Trans-1,2-dichloroethene	**10**	**18**	**29**	**19**	**20**	**30**	**19**	**30**	**25**	5
Trichloroethene (TCE)	**32**	**28**	**29**	**20**	**35**	**27**	**25**	**11**	**7.3**	5
Vinyl chloride	**6.7**	**9.3**	**18**	**6.4**	**2.3**	**4.3**	**2.4**	**8**	**5.2**	2

Notes:
GWQC: NYSDEC Ground Water Quality Criteria
ND: Compound Not Detected
Bold: Compound Reported Above GWQC
J: Estimated value greater than the Method Detection Limit but lower than the reporting limit.

FIGURES



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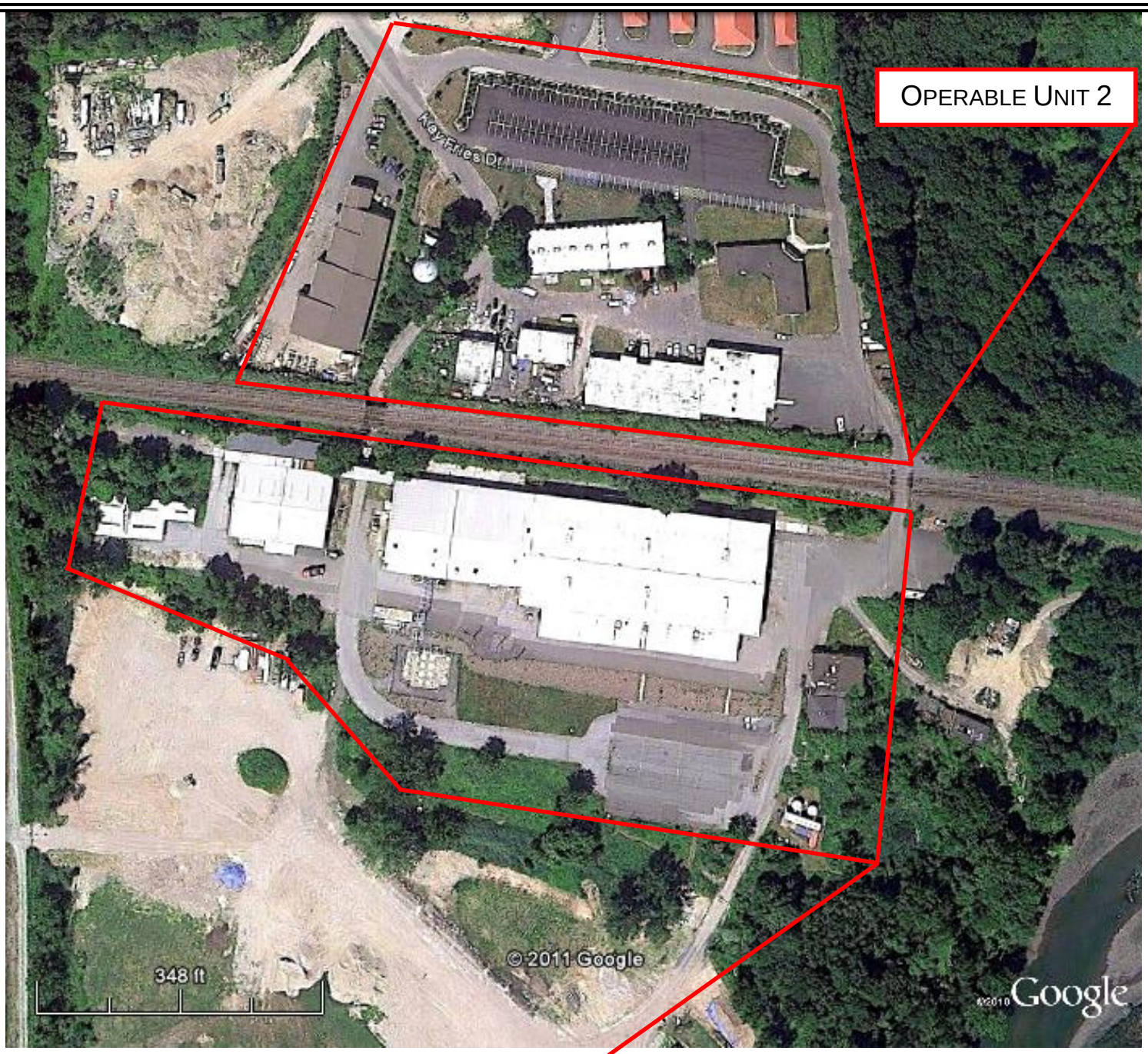
United States Department of the Interior
Geological Survey - 7.5 minute Quadrangle
Haverstraw, N.Y

FIGURE 1
SITE LOCATION MAP
FORMER KAY FRIES SITE
STONY POINT, NEW YORK

↑ North	Scale: 1" = 4,000'	Date: 3/15/11	ECM Project # 1192



Source: "Stony Point, NY." **Google Earth**. 2011. March 15, 2011.

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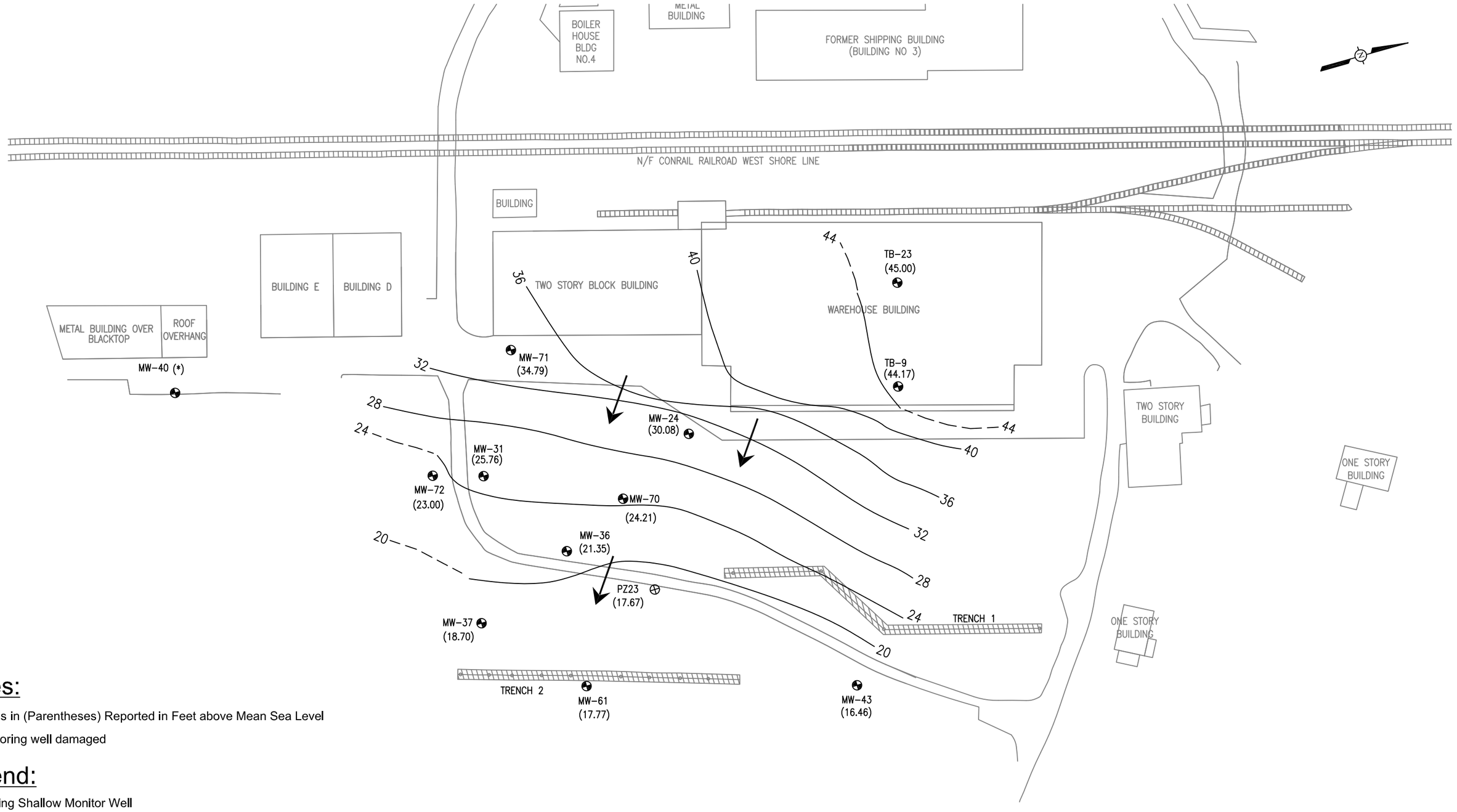
FIGURE 2
OPERABLE UNIT 1 AND 2 LOCATION MAP
FORMER KAY FRIES SITE
STONY POINT, NEW YORK

North →	Scale: As Shown	Date: 3/15/11	ECM Project # 1192



Notes:

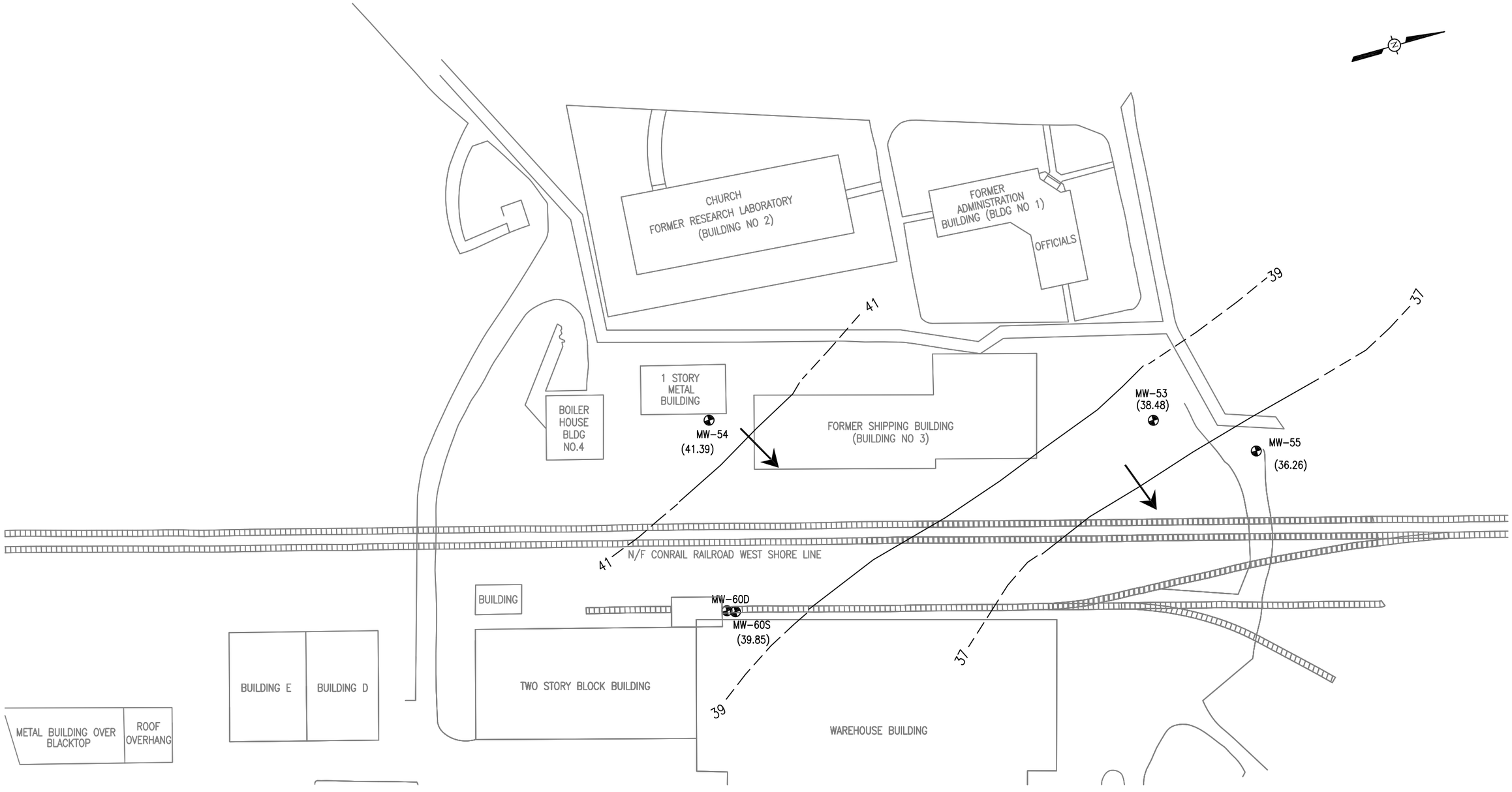
Elevations in (Parentheses) Reported in Feet above Mean Sea Level

(*) monitoring well damaged

Legend:

- Existing Shallow Monitor Well
- Existing Piezometer
- Ground Water Flow Direction
- Dashed lines are inferred ground water elevations

SCALE:	CHECKED BY:			
1" = 64'	CB	Former Kay Fries Site 50 Holt Drive Stony Point, NY	ECM environmental compliance monitoring, inc. 349 Route 206, Hillsborough, New Jersey, 08844 908-874-0990	FIGURE 3 OPERABLE UNIT-1 GROUND WATER CONTOUR MAP SEPTEMBER 2016
DATE:	PROJECT NO:			
11/2016	1192			



Notes:

Elevations in (Parentheses) Reported in Feet Above Mean Sea Level

Legend:

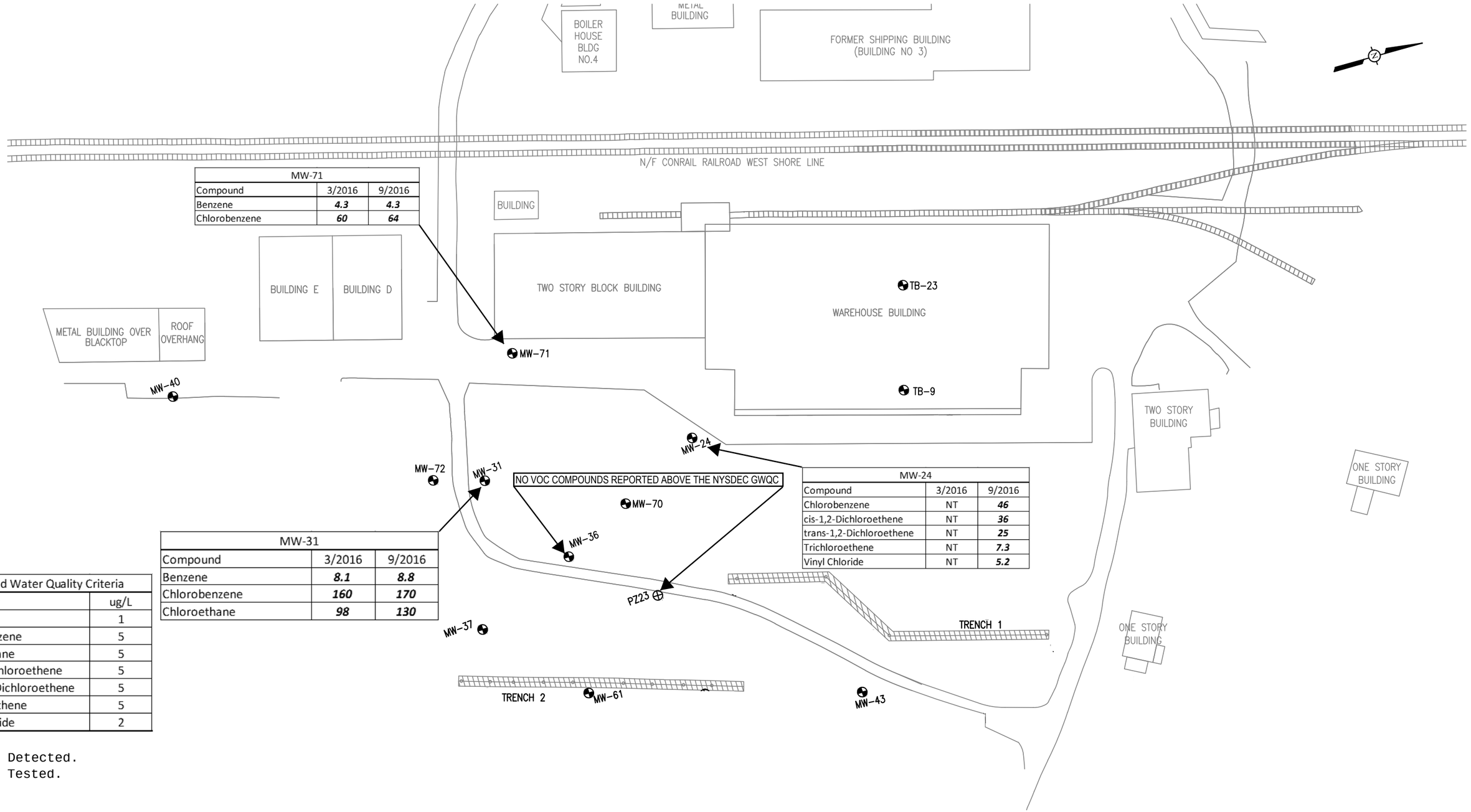
Existing Shallow Monitor Well

Ground Water Flow Direction

Dashed lines are inferred ground water elevations

SCALE:	CHECKED BY:		
1" = 64'	CB	Former Kay Fries Site 50 Holt Drive Stony Point, NY	ECM environmental compliance monitoring, inc. 349 Route 206, Hillsborough, New Jersey, 08844 908-874-0990
DATE:	PROJECT NO:		
11/2016	1192		

FIGURE 4
OPERABLE UNIT-2
GROUND WATER CONTOUR MAP
SEPTEMBER 2016



MW-71		
Compound	3/2016	9/2016
Benzene	***4.3***	***4.3***
Chlorobenzene	***60***	***64***

MW-24		
Compound	3/2016	9/2016
Chlorobenzene	NT	***46***
cis-1,2-Dichloroethene	NT	***36***
trans-1,2-Dichloroethene	NT	***25***
Trichloroethene	NT	***7.3***
Vinyl Chloride	NT	***5.2***

MW-31		
Compound	3/2016	9/2016
Benzene	***8.1***	***8.8***
Chlorobenzene	***160***	***170***
Chloroethane	***98***	***130***

Ground Water Quality Criteria	
Compound	ug/L
Benzene	1
Chlorobenzene	5
Chloroethane	5
cis-1,2-Dichloroethene	5
trans-1,2-Dichloroethene	5
Trichloroethene	5
Vinyl Chloride	2

Notes:
ND: Not Detected.
NT: Not Tested.

Legend:

- Existing Shallow Monitor Well
- Existing Piezometer

SCALE:	CHECKED BY:
1" = 64'	CB
DATE:	PROJECT NO:
01/2017	-1192

Former Kay Fries Site
50 Holt Drive
Stony Point, NY

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349 Route 206, Hillsborough, New Jersey, 08844 908-874-0990

FIGURE 5
Analytical Results Summary for OU1
March and September 2016

APPENDIX A
SUMMARY OF GROUND WATER LEVEL MEASUREMENTS AND SURVEY DATA

Evonik Degussa Corporation, Former Kay Fries Site, Stony Point, NY
Quarterly Water Level Measurements
ECM Project #1192
September 27, 2016

Well/Piezometer Number	PVC Elevation (Ft MSL) [a]	Depth to Water (Feet from top of PVC)	Groundwater Elevation (Ft MSL)	Survey Data [a]	
				Northing	Easting
PZ-23	24.82	7.15	17.67	10190.24	10553.66
TB-9	47.27	3.10	44.17	10733.06	10416.77
TB-23	53.75	8.75	45.00	10751.22	10349.58
MW-24	44.63	14.55	30.08	10555.56	10423.25
MW-31	34.13	8.37	25.76	10370.44	10411.13
MW-36	22.94	1.59	21.35	10423.01	10494.34
MW-37	21.80	3.10	18.70	10333.40	10534.38
MW-40	43.13	*	*	10131.86	10268.20
MW-43	24.94	8.48	16.46	10638.58	10675.72
MW-61	20.77	3.00	17.77	10415.92	10615.94
MW-70	31.11	6.90	24.21	10421.61	10322.10
MW-71	43.71	8.92	34.79	10421.61	10322.10
MW-72	37.95	14.95	23.00	10314.62	10395.72
OU-2					
MW-53	53.31	14.83	38.48	11020.53	10189.13
MW-54	57.21	15.82	41.39	10671.28	10090.66
MW-55	53.66	17.40	36.26	11101.93	10233.91
MW-60S	50.06	10.21	39.85	10639.42	10243.82

Notes:
* :MW Damaged

APPENDIX B
ANALYTICAL DATA PACKAGE
MARCH AND SEPTEMBER 2016

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 460-111491-1

Job Description: 1192 - Stony Point

For:
ECM, Inc.
349 Route 206 North
Hillsborough Prof. Bldg.
Hillsborough, NJ 08844

Attention: Mr. Bruce Manganiello

Approved for release.
Elizabeth J Flannery
Project Management Assistant I
4/12/2016 10:30 AM

Designee for
Grace Chang, Project Manager II
777 New Durham Road, Edison, NJ, 08817
(732)593-2579
grace.chang@testamericainc.com
04/12/2016

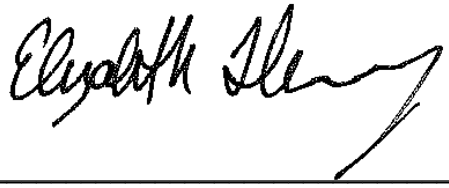
The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

Job Number: 460-111491-1

Job Description: 1192 - Stony Point

I certify under penalty of perjury that the information contained in this report and all attachments was produced in accordance with the indicated methods and laboratory standard operating procedures, except as noted, and are complete and accurate to the best of my knowledge and belief. Subcontract laboratory reports that are attached have been evaluated for completeness and quality control acceptability.



Approved for release.
Elizabeth J Flannery
Project Management Assistant I
4/12/2016 10:30 AM

Designee for
Grace Chang

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CASE NARRATIVE

Client: ECM, Inc.

Project: 1192 - Stony Point

Report Number: 460-111491-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 3/31/2016 1:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANICS
Samples MW-31 (460-111491-1), MW-36 (460-111491-2) and MW-71 (460-111491-3) were analyzed for Volatile organics in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 04/08/2016.

The continuing calibration verification (CCV) analyzed in batch 361444 was outside the method criteria for the following analyte: Bromoform. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Carbon disulfide failed the recovery criteria low for the MS of sample 460-111295-8 in batch 460-361444.

Refer to the QC report for details.

No other difficulties were encountered during the Volatile organics analysis.

All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: ECM, Inc. Job Number: 460-111491-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-111491-1	MW-31	Water	03/31/2016 1105	03/31/2016 1330
460-111491-2	MW-36	Water	03/31/2016 1020	03/31/2016 1330
460-111491-3	MW-71	Water	03/31/2016 1135	03/31/2016 1330

EXECUTIVE SUMMARY - Detections

Client: ECM, Inc. Job Number: 460-111491-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-111491-1	**MW-31**					
Benzene		8.1		1.0	ug/L	8260C
Chlorobenzene		160		1.0	ug/L	8260C
Chloroethane		98		1.0	ug/L	8260C
Toluene		0.40	J	1.0	ug/L	8260C
460-111491-3	**MW-71**					
1,1-Dichloroethane		2.1		1.0	ug/L	8260C
Benzene		4.3		1.0	ug/L	8260C
Chlorobenzene		60		1.0	ug/L	8260C
Chloroethane		0.67	J	1.0	ug/L	8260C

METHOD SUMMARY

Client: ECM, Inc. Job Number: 460-111491-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Purge and Trap	TAL EDI		SW846 5030C

Lab References:

TAL EDI = TestAmerica Edison

Method References:

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

METHOD / ANALYST SUMMARY

Client: ECM, Inc. Job Number: 460-111491-1

Method	Analyst	Analyst ID
SW846 8260C	Boykin, Kenneth	KLB

Client: ECM, Inc. Job Number: 460-111491-1

Client Sample ID: MW-31

Lab Sample ID: 460-111491-1 Date Sampled: 03/31/2016 1105
Client Matrix: Water Date Received: 03/31/2016 1330

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-361444	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B95908.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2016 1702			Final Weight/Volume:	5 mL
Prep Date:	04/08/2016 1702				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	0.28	U	0.28	2.0
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.24	U	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	1.1	U	1.1	5.0
Benzene	8.1		0.090	1.0
Bromodichloromethane	0.15	U	0.15	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	160		0.24	1.0
Chloroethane	98		0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Dibromochloromethane	0.22	U	0.22	1.0
Ethylbenzene	0.30	U	0.30	1.0
Methylene Chloride	0.21	U	0.21	1.0
Styrene	0.17	U	0.17	1.0
Tetrachloroethene	0.12	U	0.12	1.0
Toluene	0.40	J	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	0.22	U	0.22	1.0
Vinyl chloride	0.060	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 137
Bromofluorobenzene	96		70 - 131
Dibromofluoromethane (Surr)	103		72 - 136
Toluene-d8 (Surr)	103		74 - 120

Client: ECM, Inc. Job Number: 460-111491-1

Client Sample ID: **MW-31**

Lab Sample ID: 460-111491-1 Date Sampled: 03/31/2016 1105
Client Matrix: Water Date Received: 03/31/2016 1330

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-361444	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B95908.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2016 1702			Final Weight/Volume:	5 mL
Prep Date:	04/08/2016 1702				

Tentatively Identified Compounds **Number TIC's Found: 2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
60-29-7	Ethyl ether	1.95	43	J N
95-49-8	Benzene, 1-chloro-2-methyl-	9.87	34	J N

Client: ECM, Inc. Job Number: 460-111491-1

Client Sample ID: MW-36

Lab Sample ID: 460-111491-2 Date Sampled: 03/31/2016 1020
Client Matrix: Water Date Received: 03/31/2016 1330

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-361444	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B95909.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2016 1725			Final Weight/Volume:	5 mL
Prep Date:	04/08/2016 1725				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	0.28	U	0.28	2.0
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.24	U	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	1.1	U	1.1	5.0
Benzene	0.090	U	0.090	1.0
Bromodichloromethane	0.15	U	0.15	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.24	U	0.24	1.0
Chloroethane	0.37	U	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Dibromochloromethane	0.22	U	0.22	1.0
Ethylbenzene	0.30	U	0.30	1.0
Methylene Chloride	0.21	U	0.21	1.0
Styrene	0.17	U	0.17	1.0
Tetrachloroethene	0.12	U	0.12	1.0
Toluene	0.25	U	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	0.22	U	0.22	1.0
Vinyl chloride	0.060	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 137
Bromofluorobenzene	96		70 - 131
Dibromofluoromethane (Surr)	103		72 - 136
Toluene-d8 (Surr)	100		74 - 120

Client: ECM, Inc. Job Number: 460-111491-1

Client Sample ID: MW-36

Lab Sample ID: 460-111491-2 Date Sampled: 03/31/2016 1020
Client Matrix: Water Date Received: 03/31/2016 1330

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-361444	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B95909.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2016 1725			Final Weight/Volume:	5 mL
Prep Date:	04/08/2016 1725				

Tentatively Identified Compounds **Number TIC's Found: 0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: ECM, Inc. Job Number: 460-111491-1

Client Sample ID: MW-71

Lab Sample ID: 460-111491-3 Date Sampled: 03/31/2016 1135
Client Matrix: Water Date Received: 03/31/2016 1330

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-361444	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B95910.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2016 1749			Final Weight/Volume:	5 mL
Prep Date:	04/08/2016 1749				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	0.28	U	0.28	2.0
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	2.1		0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	1.1	U	1.1	5.0
Benzene	4.3		0.090	1.0
Bromodichloromethane	0.15	U	0.15	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	60		0.24	1.0
Chloroethane	0.67	J	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Dibromochloromethane	0.22	U	0.22	1.0
Ethylbenzene	0.30	U	0.30	1.0
Methylene Chloride	0.21	U	0.21	1.0
Styrene	0.17	U	0.17	1.0
Tetrachloroethene	0.12	U	0.12	1.0
Toluene	0.25	U	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	0.22	U	0.22	1.0
Vinyl chloride	0.060	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 137
Bromofluorobenzene	93		70 - 131
Dibromofluoromethane (Surr)	104		72 - 136
Toluene-d8 (Surr)	102		74 - 120

Client: ECM, Inc. Job Number: 460-111491-1

Client Sample ID: MW-71

Lab Sample ID: 460-111491-3 Date Sampled: 03/31/2016 1135
Client Matrix: Water Date Received: 03/31/2016 1330

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-361444	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B95910.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2016 1749			Final Weight/Volume:	5 mL
Prep Date:	04/08/2016 1749				

Tentatively Identified Compounds **Number TIC's Found: 1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
60-29-7	Ethyl ether	1.95	16	J N

Client: ECM, Inc.

Job Number: 460-111491-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
460-111491-1	MW-31	103	102	103	96
460-111491-2	MW-36	103	102	100	96
460-111491-3	MW-71	104	101	102	93
MB 460-361444/7		101	100	103	100
LCS 460-361444/3		103	102	104	99
460-111295-C-8 MS		117	119	120	114
460-111295-D-8 MSD		109	103	104	102

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	72-136
DCA = 1,2-Dichloroethane-d4 (Surr)	70-137
TOL = Toluene-d8 (Surr)	74-120
BFB = Bromofluorobenzene	70-131

Client: ECM, Inc. Job Number: 460-111491-1

Method Blank - Batch: 460-361444

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-361444/7	Analysis Batch:	460-361444	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B95890.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2016 0947	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/08/2016 0947				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Xylenes, Total	0.28	U	0.28	2.0
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.24	U	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	1.1	U	1.1	5.0
Benzene	0.090	U	0.090	1.0
Bromodichloromethane	0.15	U	0.15	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.24	U	0.24	1.0
Chloroethane	0.37	U	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Dibromochloromethane	0.22	U	0.22	1.0
Ethylbenzene	0.30	U	0.30	1.0
Methylene Chloride	0.21	U	0.21	1.0
Styrene	0.17	U	0.17	1.0
Tetrachloroethene	0.12	U	0.12	1.0
Toluene	0.25	U	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	0.22	U	0.22	1.0
Vinyl chloride	0.060	U	0.060	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	70 - 137
Bromofluorobenzene	100	70 - 131
Dibromofluoromethane (Surr)	101	72 - 136
Toluene-d8 (Surr)	103	74 - 120

Client: ECM, Inc. Job Number: 460-111491-1

Method Blank TICs- Batch: 460-361444

Cas Number	Analyte	RT	Est. Result (ug/	Qual
	Tentatively Identified Compound		None	

Lab Control Sample - Batch: 460-361444

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-361444/3	Analysis Batch:	460-361444	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B95886.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2016 0810	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/08/2016 0810				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Xylenes, Total	40.0	37.4	94	80 - 120	
1,1,1-Trichloroethane	20.0	18.2	91	76 - 131	
1,1,2,2-Tetrachloroethane	20.0	17.7	89	65 - 128	
1,1,2-Trichloroethane	20.0	19.2	96	77 - 122	
1,1-Dichloroethane	20.0	19.6	98	77 - 129	
1,1-Dichloroethene	20.0	18.8	94	67 - 133	
1,2-Dichloroethane	20.0	18.5	92	73 - 131	
1,2-Dichloropropane	20.0	18.9	94	75 - 129	
1,4-Dioxane	400	390	97	65 - 150	
2-Butanone	100	104	104	56 - 150	
2-Hexanone	100	87.1	87	64 - 150	
4-Methyl-2-pentanone (MIBK)	100	88.0	88	77 - 130	
Acetone	100	93.1	93	19 - 150	
Benzene	20.0	20.5	103	76 - 125	
Bromodichloromethane	20.0	16.5	82	78 - 127	
Bromoform	20.0	14.6	73	65 - 124	
Bromomethane	20.0	16.0	80	10 - 150	
Carbon disulfide	20.0	15.8	79	69 - 131	
Carbon tetrachloride	20.0	17.8	89	71 - 138	
Chlorobenzene	20.0	19.1	95	80 - 120	
Chloroethane	20.0	15.3	77	40 - 150	
Chloroform	20.0	19.4	97	81 - 127	
Chloromethane	20.0	17.7	88	45 - 150	
cis-1,2-Dichloroethene	20.0	19.0	95	82 - 127	
cis-1,3-Dichloropropene	20.0	18.7	94	72 - 125	
Dibromochloromethane	20.0	15.7	79	78 - 120	
Ethylbenzene	20.0	18.5	93	80 - 120	
Methylene Chloride	20.0	18.8	94	80 - 126	
Styrene	20.0	19.3	96	75 - 124	
Tetrachloroethene	20.0	18.0	90	71 - 132	
Toluene	20.0	19.6	98	80 - 120	
trans-1,2-Dichloroethene	20.0	19.7	99	78 - 127	
trans-1,3-Dichloropropene	20.0	18.3	92	69 - 125	
Trichloroethene	20.0	18.2	91	77 - 127	
Vinyl chloride	20.0	18.9	94	53 - 142	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	70 - 137
Bromofluorobenzene	99	70 - 131
Toluene-d8 (Surr)	104	74 - 120

Client: ECM, Inc. Job Number: 460-111491-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-361444

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	460-111295-C-8 MS	Analysis Batch:	460-361444	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B95898.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2016 1300			Final Weight/Volume:	5 mL
Prep Date:	04/08/2016 1300				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	460-111295-D-8 MSD	Analysis Batch:	460-361444	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B95899.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2016 1324			Final Weight/Volume:	5 mL
Prep Date:	04/08/2016 1324				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Xylenes, Total	101	113	80 - 120	11	30		
1,1,1-Trichloroethane	95	112	76 - 131	17	30		
1,1,2,2-Tetrachloroethane	97	110	65 - 128	13	30		
1,1,2-Trichloroethane	100	114	77 - 122	13	30		
1,1-Dichloroethane	101	116	77 - 129	14	30		
1,1-Dichloroethene	94	113	67 - 133	18	30		
1,2-Dichloroethane	98	112	73 - 131	14	30		
1,2-Dichloropropane	104	117	75 - 129	12	30		
1,4-Dioxane	113	127	65 - 150	12	30		
2-Butanone	107	122	56 - 150	13	30		
2-Hexanone	96	113	64 - 150	16	30		
4-Methyl-2-pentanone (MIBK)	98	112	77 - 130	13	30		
Acetone	95	112	19 - 150	16	30		
Benzene	106	119	76 - 125	12	30		
Bromodichloromethane	86	104	78 - 127	17	30		
Bromoform	69	84	65 - 124	20	30		
Bromomethane	105	124	10 - 150	16	30		
Carbon disulfide	64	80	69 - 131	21	30	F1	
Carbon tetrachloride	95	109	71 - 138	14	30		
Chlorobenzene	103	116	80 - 120	11	30		
Chloroethane	93	106	40 - 150	14	30		
Chloroform	102	115	81 - 127	10	30		
Chloromethane	84	101	45 - 150	18	30		
cis-1,2-Dichloroethene	104	118	82 - 127	13	30		
cis-1,3-Dichloropropene	96	110	72 - 125	13	30		
Dibromochloromethane	80	96	78 - 120	17	30		
Ethylbenzene	95	110	80 - 120	15	30		
Methylene Chloride	99	112	80 - 126	13	30		
Styrene	98	115	75 - 124	16	30		
Tetrachloroethene	94	111	71 - 132	16	30		
Toluene	105	115	80 - 120	10	30		
trans-1,2-Dichloroethene	100	115	78 - 127	15	30		
trans-1,3-Dichloropropene	92	109	69 - 125	17	30		

Client: ECM, Inc. Job Number: 460-111491-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-361444

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	460-111295-C-8 MS	Analysis Batch:	460-361444	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B95898.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2016 1300			Final Weight/Volume:	5 mL
Prep Date:	04/08/2016 1300				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	460-111295-D-8 MSD	Analysis Batch:	460-361444	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B95899.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2016 1324			Final Weight/Volume:	5 mL
Prep Date:	04/08/2016 1324				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Trichloroethene	99	107	77 - 127	8	30		
Vinyl chloride	96	115	53 - 142	18	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119	103	70 - 137
Bromofluorobenzene	114	102	70 - 131
Toluene-d8 (Surr)	120	104	74 - 120

Client: ECM, Inc. Job Number: 460-111491-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-361444

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	460-111295-C-8 MS	Units: ug/L	MSD Lab Sample ID:	460-111295-D-8 MSD	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	04/08/2016 1300		Analysis Date:	04/08/2016 1324	
Prep Date:	04/08/2016 1300		Prep Date:	04/08/2016 1324	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual
Xylenes, Total	0.28	U	40.0	40.0	40.2		45.1
1,1,1-Trichloroethane	0.28	U	20.0	20.0	19.0		22.4
1,1,2,2-Tetrachloroethane	0.19	U	20.0	20.0	19.4		22.1
1,1,2-Trichloroethane	0.080	U	20.0	20.0	19.9		22.7
1,1-Dichloroethane	0.24	U	20.0	20.0	20.2		23.2
1,1-Dichloroethene	0.34	U	20.0	20.0	18.7		22.5
1,2-Dichloroethane	0.25	U	20.0	20.0	19.6		22.5
1,2-Dichloropropane	0.18	U	20.0	20.0	20.7		23.5
1,4-Dioxane	8.7	U	400	400	452		510
2-Butanone	2.2	U	100	100	107		122
2-Hexanone	0.72	U	100	100	95.8		113
4-Methyl-2-pentanone (MIBK)	0.63	U	100	100	98.1		112
Acetone	1.1	U	100	100	95.3		112
Benzene	0.090	U	20.0	20.0	21.2		23.8
Bromodichloromethane	1.9		20.0	20.0	19.1		22.6
Bromoform	0.18	U	20.0	20.0	13.7		16.8
Bromomethane	0.18	U	20.0	20.0	21.0		24.7
Carbon disulfide	0.22	U	20.0	20.0	12.8	F1	15.9
Carbon tetrachloride	0.33	U	20.0	20.0	19.0		21.8
Chlorobenzene	1.4		20.0	20.0	22.1		24.6
Chloroethane	0.37	U	20.0	20.0	18.6		21.3
Chloroform	2.8		20.0	20.0	23.2		25.7
Chloromethane	0.22	U	20.0	20.0	16.8		20.1
cis-1,2-Dichloroethene	0.26	U	20.0	20.0	20.8		23.6
cis-1,3-Dichloropropene	0.16	U	20.0	20.0	19.3		21.9
Dibromochloromethane	0.76	J	20.0	20.0	16.8		20.0
Ethylbenzene	0.30	U	20.0	20.0	19.1		22.1
Methylene Chloride	0.21	U	20.0	20.0	19.7		22.4
Styrene	0.17	U	20.0	20.0	19.6		23.0
Tetrachloroethene	0.12	U	20.0	20.0	18.9		22.3
Toluene	0.25	U	20.0	20.0	20.9		23.1
trans-1,2-Dichloroethene	0.18	U	20.0	20.0	19.9		23.1
trans-1,3-Dichloropropene	0.19	U	20.0	20.0	18.4		21.7
Trichloroethene	0.22	U	20.0	20.0	19.9		21.4
Vinyl chloride	0.060	U	20.0	20.0	19.2		22.9

DATA REPORTING QUALIFIERS

Client: ECM, Inc. Job Number: 460-111491-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Indicates an Estimated Value for TICs
	U	Indicates the analyte was analyzed for but not detected.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	N	This flag indicates the presumptive evidence of a compound.

Client: ECM, Inc. Job Number: 460-111491-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:460-361444					
LCS 460-361444/3	Lab Control Sample	T	Water	8260C	
MB 460-361444/7	Method Blank	T	Water	8260C	
460-111295-C-8 MS	Matrix Spike	T	Water	8260C	
460-111295-D-8 MSD	Matrix Spike Duplicate	T	Water	8260C	
460-111491-1	MW-31	T	Water	8260C	
460-111491-2	MW-36	T	Water	8260C	
460-111491-3	MW-71	T	Water	8260C	

Report Basis
T = Total

Client: ECM, Inc. Job Number: 460-111491-1

Laboratory Chronicle

Lab ID: 460-111491-1 **Client ID: MW-31**

Sample Date/Time: 03/31/2016 11:05 Received Date/Time: 03/31/2016 13:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	460-111491-B-1		460-361444		04/08/2016 17:02	1	TAL EDI	KLB
A:8260C	460-111491-B-1		460-361444		04/08/2016 17:02	1	TAL EDI	KLB

Lab ID: 460-111491-2 **Client ID: MW-36**

Sample Date/Time: 03/31/2016 10:20 Received Date/Time: 03/31/2016 13:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	460-111491-B-2		460-361444		04/08/2016 17:25	1	TAL EDI	KLB
A:8260C	460-111491-B-2		460-361444		04/08/2016 17:25	1	TAL EDI	KLB

Lab ID: 460-111491-3 **Client ID: MW-71**

Sample Date/Time: 03/31/2016 11:35 Received Date/Time: 03/31/2016 13:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	460-111491-B-3		460-361444		04/08/2016 17:49	1	TAL EDI	KLB
A:8260C	460-111491-B-3		460-361444		04/08/2016 17:49	1	TAL EDI	KLB

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	MB 460-361444/7		460-361444		04/08/2016 09:47	1	TAL EDI	KLB
A:8260C	MB 460-361444/7		460-361444		04/08/2016 09:47	1	TAL EDI	KLB

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	LCS 460-361444/3		460-361444		04/08/2016 08:10	1	TAL EDI	KLB
A:8260C	LCS 460-361444/3		460-361444		04/08/2016 08:10	1	TAL EDI	KLB

Lab ID: MS **Client ID: N/A**

Sample Date/Time: 03/29/2016 13:27 Received Date/Time: 03/30/2016 19:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	460-111295-C-8 MS		460-361444		04/08/2016 13:00	1	TAL EDI	KLB
A:8260C	460-111295-C-8 MS		460-361444		04/08/2016 13:00	1	TAL EDI	KLB

Client: ECM, Inc. Job Number: 460-111491-1

Laboratory Chronicle

Lab ID: MSD **Client ID: N/A**

Sample Date/Time: 03/29/2016 13:27 Received Date/Time: 03/30/2016 19:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	460-111295-D-8 MSD		460-361444		04/08/2016 13:24	1	TAL EDI	KLB
A:8260C	460-111295-D-8 MSD		460-361444		04/08/2016 13:24	1	TAL EDI	KLB

Lab References:
TAL EDI = TestAmerica Edison

8260C

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-624 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-31	460-111491-1	103	102	103	96
MW-36	460-111491-2	103	102	100	96
MW-71	460-111491-3	104	101	102	93
	MB 460-361444/7	101	100	103	100
	LCS 460-361444/3	103	102	104	99
	460-111295-C-8 MS	117	119	120	114
	460-111295-D-8 MSD	109	103	104	102

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	72-136
DCA = 1,2-Dichloroethane-d4 (Surr)	70-137
TOL = Toluene-d8 (Surr)	74-120
BFB = Bromofluorobenzene	70-131

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Matrix: Water Level: Low Lab File ID: B95886.D

Lab ID: LCS 460-361444/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Xylenes, Total	40.0	37.4	94	80-120	
1,1,1-Trichloroethane	20.0	18.2	91	76-131	
1,1,2,2-Tetrachloroethane	20.0	17.7	89	65-128	
1,1,2-Trichloroethane	20.0	19.2	96	77-122	
1,1-Dichloroethane	20.0	19.6	98	77-129	
1,1-Dichloroethene	20.0	18.8	94	67-133	
1,2-Dichloroethane	20.0	18.5	92	73-131	
1,2-Dichloropropane	20.0	18.9	94	75-129	
1,4-Dioxane	400	390	97	65-150	
2-Butanone	100	104	104	56-150	
2-Hexanone	100	87.1	87	64-150	
4-Methyl-2-pentanone (MIBK)	100	88.0	88	77-130	
Acetone	100	93.1	93	19-150	
Benzene	20.0	20.5	103	76-125	
Bromodichloromethane	20.0	16.5	82	78-127	
Bromoform	20.0	14.6	73	65-124	
Bromomethane	20.0	16.0	80	10-150	
Carbon disulfide	20.0	15.8	79	69-131	
Carbon tetrachloride	20.0	17.8	89	71-138	
Chlorobenzene	20.0	19.1	95	80-120	
Chloroethane	20.0	15.3	77	40-150	
Chloroform	20.0	19.4	97	81-127	
Chloromethane	20.0	17.7	88	45-150	
cis-1,2-Dichloroethene	20.0	19.0	95	82-127	
cis-1,3-Dichloropropene	20.0	18.7	94	72-125	
Dibromochloromethane	20.0	15.7	79	78-120	
Ethylbenzene	20.0	18.5	93	80-120	
Methylene Chloride	20.0	18.8	94	80-126	
Styrene	20.0	19.3	96	75-124	
Tetrachloroethene	20.0	18.0	90	71-132	
Toluene	20.0	19.6	98	80-120	
trans-1,2-Dichloroethene	20.0	19.7	99	78-127	
trans-1,3-Dichloropropene	20.0	18.3	92	69-125	
Trichloroethene	20.0	18.2	91	77-127	
Vinyl chloride	20.0	18.9	94	53-142	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Matrix: Water Level: Low Lab File ID: B95898.D

Lab ID: 460-111295-C-8 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Xylenes, Total	40.0	0.28 U	40.2	101	80-120	
1,1,1-Trichloroethane	20.0	0.28 U	19.0	95	76-131	
1,1,2,2-Tetrachloroethane	20.0	0.19 U	19.4	97	65-128	
1,1,2-Trichloroethane	20.0	0.080 U	19.9	100	77-122	
1,1-Dichloroethane	20.0	0.24 U	20.2	101	77-129	
1,1-Dichloroethene	20.0	0.34 U	18.7	94	67-133	
1,2-Dichloroethane	20.0	0.25 U	19.6	98	73-131	
1,2-Dichloropropane	20.0	0.18 U	20.7	104	75-129	
1,4-Dioxane	400	8.7 U	452	113	65-150	
2-Butanone	100	2.2 U	107	107	56-150	
2-Hexanone	100	0.72 U	95.8	96	64-150	
4-Methyl-2-pentanone (MIBK)	100	0.63 U	98.1	98	77-130	
Acetone	100	1.1 U	95.3	95	19-150	
Benzene	20.0	0.090 U	21.2	106	76-125	
Bromodichloromethane	20.0	1.9	19.1	86	78-127	
Bromoform	20.0	0.18 U	13.7	69	65-124	
Bromomethane	20.0	0.18 U	21.0	105	10-150	
Carbon disulfide	20.0	0.22 U	12.8	64	69-131	F1
Carbon tetrachloride	20.0	0.33 U	19.0	95	71-138	
Chlorobenzene	20.0	1.4	22.1	103	80-120	
Chloroethane	20.0	0.37 U	18.6	93	40-150	
Chloroform	20.0	2.8	23.2	102	81-127	
Chloromethane	20.0	0.22 U	16.8	84	45-150	
cis-1,2-Dichloroethene	20.0	0.26 U	20.8	104	82-127	
cis-1,3-Dichloropropene	20.0	0.16 U	19.3	96	72-125	
Dibromochloromethane	20.0	0.76 J	16.8	80	78-120	
Ethylbenzene	20.0	0.30 U	19.1	95	80-120	
Methylene Chloride	20.0	0.21 U	19.7	99	80-126	
Styrene	20.0	0.17 U	19.6	98	75-124	
Tetrachloroethene	20.0	0.12 U	18.9	94	71-132	
Toluene	20.0	0.25 U	20.9	105	80-120	
trans-1,2-Dichloroethene	20.0	0.18 U	19.9	100	78-127	
trans-1,3-Dichloropropene	20.0	0.19 U	18.4	92	69-125	
Trichloroethene	20.0	0.22 U	19.9	99	77-127	
Vinyl chloride	20.0	0.060 U	19.2	96	53-142	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Matrix: Water Level: Low Lab File ID: B95899.D

Lab ID: 460-111295-D-8 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Xylenes, Total	40.0	45.1	113	11	30	80-120	
1,1,1-Trichloroethane	20.0	22.4	112	17	30	76-131	
1,1,2,2-Tetrachloroethane	20.0	22.1	110	13	30	65-128	
1,1,2-Trichloroethane	20.0	22.7	114	13	30	77-122	
1,1-Dichloroethane	20.0	23.2	116	14	30	77-129	
1,1-Dichloroethene	20.0	22.5	113	18	30	67-133	
1,2-Dichloroethane	20.0	22.5	112	14	30	73-131	
1,2-Dichloropropane	20.0	23.5	117	12	30	75-129	
1,4-Dioxane	400	510	127	12	30	65-150	
2-Butanone	100	122	122	13	30	56-150	
2-Hexanone	100	113	113	16	30	64-150	
4-Methyl-2-pentanone (MIBK)	100	112	112	13	30	77-130	
Acetone	100	112	112	16	30	19-150	
Benzene	20.0	23.8	119	12	30	76-125	
Bromodichloromethane	20.0	22.6	104	17	30	78-127	
Bromoform	20.0	16.8	84	20	30	65-124	
Bromomethane	20.0	24.7	124	16	30	10-150	
Carbon disulfide	20.0	15.9	80	21	30	69-131	
Carbon tetrachloride	20.0	21.8	109	14	30	71-138	
Chlorobenzene	20.0	24.6	116	11	30	80-120	
Chloroethane	20.0	21.3	106	14	30	40-150	
Chloroform	20.0	25.7	115	10	30	81-127	
Chloromethane	20.0	20.1	101	18	30	45-150	
cis-1,2-Dichloroethene	20.0	23.6	118	13	30	82-127	
cis-1,3-Dichloropropene	20.0	21.9	110	13	30	72-125	
Dibromochloromethane	20.0	20.0	96	17	30	78-120	
Ethylbenzene	20.0	22.1	110	15	30	80-120	
Methylene Chloride	20.0	22.4	112	13	30	80-126	
Styrene	20.0	23.0	115	16	30	75-124	
Tetrachloroethene	20.0	22.3	111	16	30	71-132	
Toluene	20.0	23.1	115	10	30	80-120	
trans-1,2-Dichloroethene	20.0	23.1	115	15	30	78-127	
trans-1,3-Dichloropropene	20.0	21.7	109	17	30	69-125	
Trichloroethene	20.0	21.4	107	8	30	77-127	
Vinyl chloride	20.0	22.9	115	18	30	53-142	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Lab File ID: B95890.D Lab Sample ID: MB 460-361444/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: CVOAMS2 Date Analyzed: 04/08/2016 09:47

GC Column: Rtx-624 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-361444/3	B95886.D	04/08/2016 08:10
	460-111295-C-8 MS	B95898.D	04/08/2016 13:00
	460-111295-D-8 MSD	B95899.D	04/08/2016 13:24
MW-31	460-111491-1	B95908.D	04/08/2016 17:02
MW-36	460-111491-2	B95909.D	04/08/2016 17:25
MW-71	460-111491-3	B95910.D	04/08/2016 17:49

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

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Lab File ID: B95814.D BFB Injection Date: 04/07/2016

Instrument ID: CVOAMS2 BFB Injection Time: 00:12

Analysis Batch No.: 361163

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.4	
75	30.0 - 60.0 % of mass 95	46.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.6	(0.9) 1
174	50.0 - 120.00 % of mass 95	66.6	
175	5.0 - 9.0 % of mass 174	5.2	(7.7) 1
176	95.0 - 101.0 % of mass 174	65.6	(98.5) 1
177	5.0 - 9.0 % of mass 176	4.0	(6.1) 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
	STD8 460-361163/2	B95815.D	04/07/2016	00:39
	STD1 460-361163/4	B95817.D	04/07/2016	01:27
	STD5 460-361163/5	B95818.D	04/07/2016	01:51
	STD20 460-361163/6	B95819.D	04/07/2016	02:15
	STD50 460-361163/7	B95820.D	04/07/2016	02:39
	STD200 460-361163/8	B95821.D	04/07/2016	03:02
	STD500 460-361163/9	B95822.D	04/07/2016	03:27

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

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Lab File ID: B95884.D BFB Injection Date: 04/08/2016

Instrument ID: CVOAMS2 BFB Injection Time: 06:19

Analysis Batch No.: 361444

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.0	
75	30.0 - 60.0 % of mass 95	47.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.7	(1.1) 1
174	50.0 - 120.00 % of mass 95	63.7	
175	5.0 - 9.0 % of mass 174	4.8	(7.5) 1
176	95.0 - 101.0 % of mass 174	63.4	(99.6) 1
177	5.0 - 9.0 % of mass 176	4.5	(7.1) 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
	CCVIS 460-361444/2	B95885.D	04/08/2016	07:36
	LCS 460-361444/3	B95886.D	04/08/2016	08:10
	MB 460-361444/7	B95890.D	04/08/2016	09:47
	460-111295-C-8 MS	B95898.D	04/08/2016	13:00
	460-111295-D-8 MSD	B95899.D	04/08/2016	13:24
MW-31	460-111491-1	B95908.D	04/08/2016	17:02
MW-36	460-111491-2	B95909.D	04/08/2016	17:25
MW-71	460-111491-3	B95910.D	04/08/2016	17:49

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

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Sample No.: CCVIS 460-361444/2 Date Analyzed: 04/08/2016 07:36

Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): B95885.D Heated Purge: (Y/N) N

Calibration ID: 55211

		TBA		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		338853	2.60	342642	3.68	567235	4.88
UPPER LIMIT		677706	3.10	685284	4.18	1134470	5.38
LOWER LIMIT		169427	2.10	171321	3.18	283618	4.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-361444/3		330631	2.61	335323	3.68	566786	4.88
MB 460-361444/7		322804	2.59	311409	3.67	532146	4.88
460-111295-C-8 MS		268357	2.60	266946	3.68	465653	4.88
460-111295-D-8 MSD		307696	2.60	317692	3.68	545226	4.88
460-111491-1	MW-31	293744	2.59	290453	3.67	507657	4.87
460-111491-2	MW-36	288450	2.59	284641	3.67	500316	4.87
460-111491-3	MW-71	296073	2.60	286410	3.67	504945	4.87

TBA = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Sample No.: CCVIS 460-361444/2 Date Analyzed: 04/08/2016 07:36

Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): B95885.D Heated Purge: (Y/N) N

Calibration ID: 55211

		DXE		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		31988	5.72	395145	8.49	183682	10.57
UPPER LIMIT		63976	6.22	790290	8.99	367364	11.07
LOWER LIMIT		15994	5.22	197573	7.99	91841	10.07
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-361444/3		30354	5.71	381516	8.48	179667	10.57
MB 460-361444/7		29629	5.71	353183	8.48	162390	10.57
460-111295-C-8 MS		25136	5.72	317131	8.48	147129	10.57
460-111295-D-8 MSD		29722	5.71	380404	8.48	172089	10.57
460-111491-1	MW-31	26730	5.72	346296	8.48	154077	10.57
460-111491-2	MW-36	26305	5.71	343443	8.48	156014	10.57
460-111491-3	MW-71	27117	5.71	340171	8.48	153282	10.57

DXE = 1,4-Dioxane-d8
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-111491-1

SDG No.:

Client Sample ID: MW-31 | Lab Sample ID: 460-111491-1

Matrix: Water | Lab File ID: B95908.D

Analysis Method: 8260C | Date Collected: 03/31/2016 11:05

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2016 17:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 361444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	0.28	U	2.0	0.28
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	8.1		1.0	0.090
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	160		1.0	0.24
75-00-3	Chloroethane	98		1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
124-48-1	Dibromochloromethane	0.22	U	1.0	0.22
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
108-88-3	Toluene	0.40	J	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-01-4	Vinyl chloride	0.060	U	1.0	0.060

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Client Sample ID: MW-31 Lab Sample ID: 460-111491-1

Matrix: Water Lab File ID: B95908.D

Analysis Method: 8260C Date Collected: 03/31/2016 11:05

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2016 17:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 361444 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-137
460-00-4	Bromofluorobenzene	96		70-131
1868-53-7	Dibromofluoromethane (Surr)	103		72-136
2037-26-5	Toluene-d8 (Surr)	103		74-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison | Job No.: 460-111491-1

SDG No.:

Client Sample ID: MW-31 | Lab Sample ID: 460-111491-1

Matrix: Water | Lab File ID: B95908.D

Analysis Method: 8260C | Date Collected: 03/31/2016 11:05

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2016 17:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 361444 | Units: ug/L

Number TICs Found: 2 | TIC Result Total: 77

CAS NO.	COMPOUND NAME	RT	RESULT	Q
60-29-7	Ethyl ether	1.95	43	J N
95-49-8	Benzene, 1-chloro-2-methyl-	9.87	34	J N

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95908.D
Lims ID: 460-111491-B-1 Lab Sample ID: 460-111491-1
Client ID: MW-31
Sample Type: Client
Inject. Date: 08-Apr-2016 17:02:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-111491-B-1
Misc. Info.: 460-0039617-025
Operator ID: Instrument ID: CVOAMS2

Method: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Apr-2016 19:57:54 Calib Date: 07-Apr-2016 03:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: boykink Date: 08-Apr-2016 19:57:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
7 Chloroethane	64	1.579	1.579	0.000	100	172609	98.3	
* 27 TBA-d9 (IS)	65	2.591	2.608	-0.017	86	293744	1000.0	
* 158 2-Butanone-d5	46	3.669	3.677	-0.008	97	290453	250.0	
$ 51 Dibromofluoromethane (Surr	113	4.196	4.196	0.000	95	115855	51.7	
55 Benzene	78	4.533	4.533	0.000	95	90252	8.09	
$ 57 1,2-Dichloroethane-d4 (Sur	65	4.566	4.566	0.000	97	140005	51.2	
* 62 Fluorobenzene	96	4.871	4.879	-0.008	98	507657	50.0	
* 69 1,4-Dioxane-d8	96	5.718	5.710	0.008	95	26730	1000.0	
$ 80 Toluene-d8 (Surr)	98	6.846	6.854	-0.008	99	411417	51.3	
81 Toluene	91	6.936	6.936	0.000	94	4321	0.3998	
* 91 Chlorobenzene-d5	117	8.483	8.484	-0.001	86	346296	50.0	
92 Chlorobenzene	112	8.508	8.517	-0.009	93	1030907	157.4	
$ 102 4-Bromofluorobenzene	174	9.603	9.603	0.000	83	98247	48.2	
* 119 1,4-Dichlorobenzene-d4	152	10.566	10.566	0.000	98	154077	50.0	

Reagents:

8260ISNEW_00059 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00116 Amount Added: 1.00 Units: uL Run Reagent

TestAmerica Edison
Tentatively Identified Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95908.D				
Lims ID:	460-111491-B-1	Lab Sample ID:	460-111491-1		
Client ID:	MW-31				
Sample Type:	Client				
Inject. Date:	08-Apr-2016 17:02:30	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-111491-B-1				
Misc. Info.:	460-0039617-025				
Operator ID:		Instrument ID:	CVOAMS2		
Method:	\\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\8260W_2.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	08-Apr-2016 19:57:54	Calib Date:	07-Apr-2016 03:27:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\ChromNA\Edison\Database\NIST02.L				
Min. Match:	85				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK015				
First Level Reviewer: boykink		Date:	08-Apr-2016 19:57:54		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
60-29-7 Ethyl ether								
1.949	909070	43.2	62	91	824	C4H10O	74	
95-49-8 Benzene, 1-chloro-2-methyl-								
9.874	693441	34.5	119	96	10920	C7H7Cl	126	

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 62 Fluorobenzene	4.871	1051523	50.0
* 119 1,4-Dichlorobenzene-d4	10.566	1005662	50.0

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00059	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00116	Amount Added:	1.00	Units: uL	Run Reagent

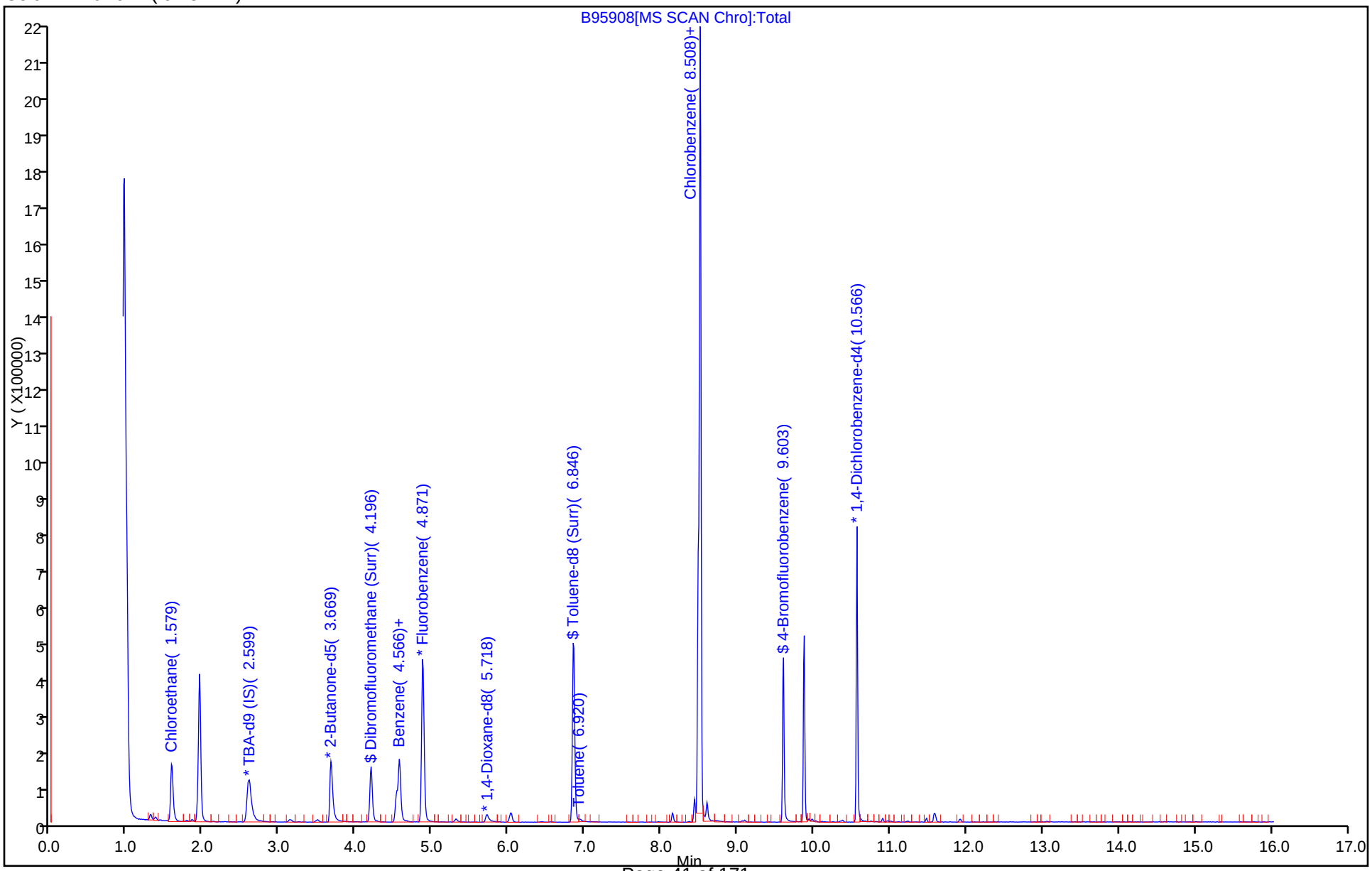
Report Date: 08-Apr-2016 19:57:54 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95908.D

Injection Date:	08-Apr-2016 17:02:30	Instrument ID:	CVOAMS2	Operator ID:	
Lims ID:	460-111491-B-1	Lab Sample ID:	460-111491-1	Worklist Smp#:	25
Client ID:	MW-31				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



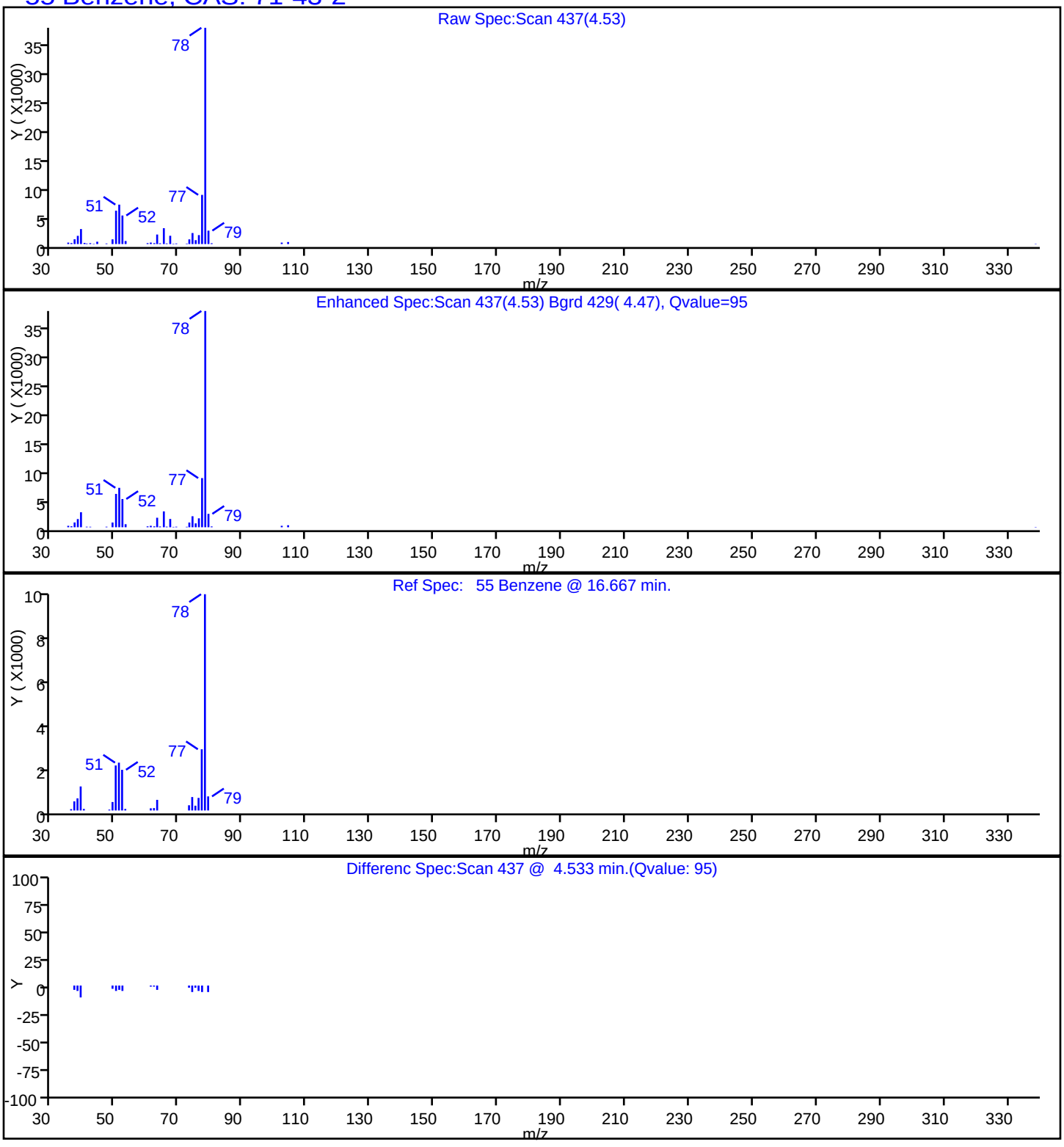
Report Date: 08-Apr-2016 19:57:54 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95908.D

Injection Date:	08-Apr-2016 17:02:30	Instrument ID:	CVOAMS2
Lims ID:	460-111491-B-1	Lab Sample ID:	460-111491-1
Client ID:	MW-31		
Operator ID:		ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

55 Benzene, CAS: 71-43-2



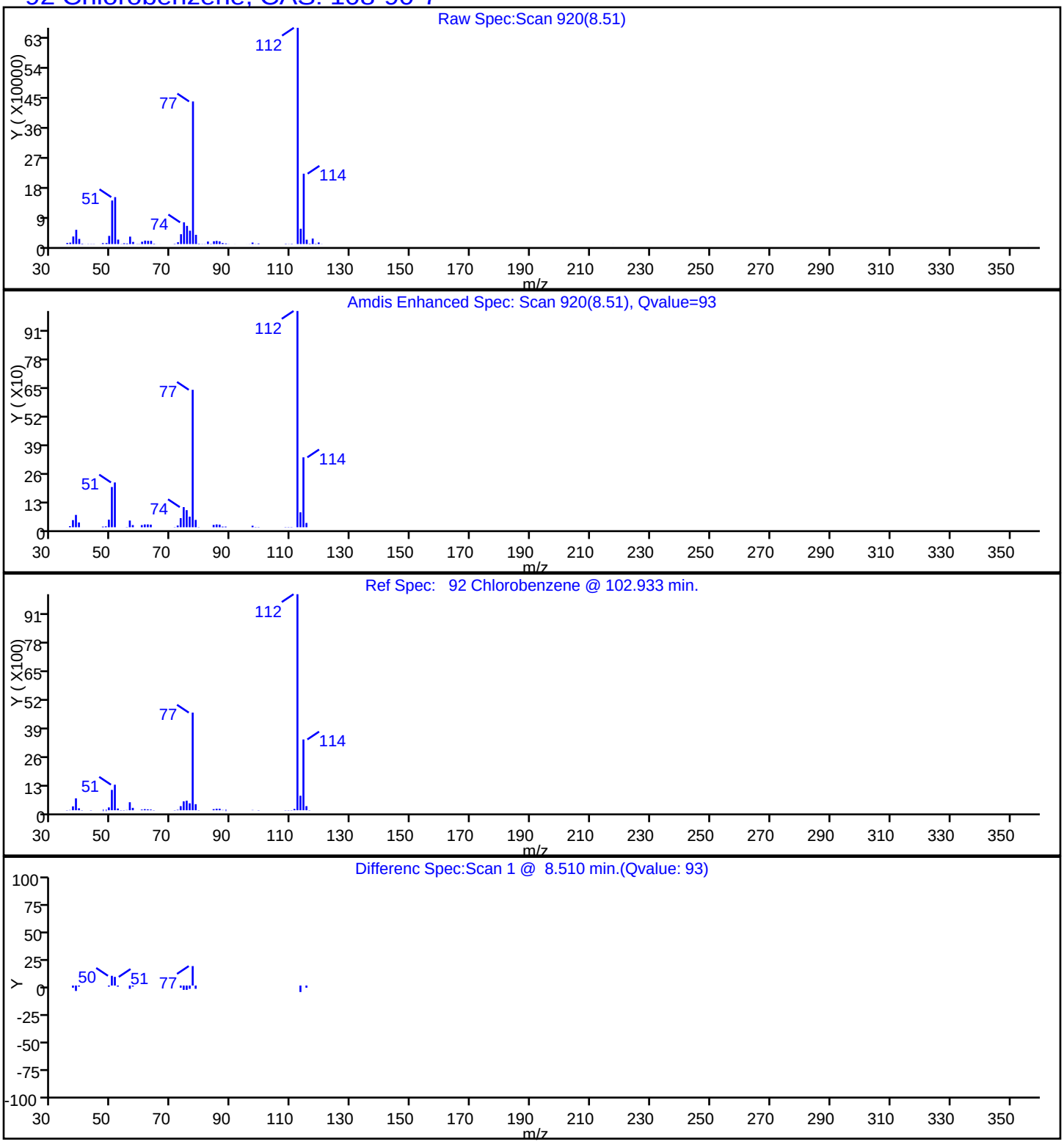
Report Date: 08-Apr-2016 19:57:54 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95908.D

Injection Date:	08-Apr-2016 17:02:30	Instrument ID:	CVOAMS2
Lims ID:	460-111491-B-1	Lab Sample ID:	460-111491-1
Client ID:	MW-31		
Operator ID:		ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

92 Chlorobenzene, CAS: 108-90-7



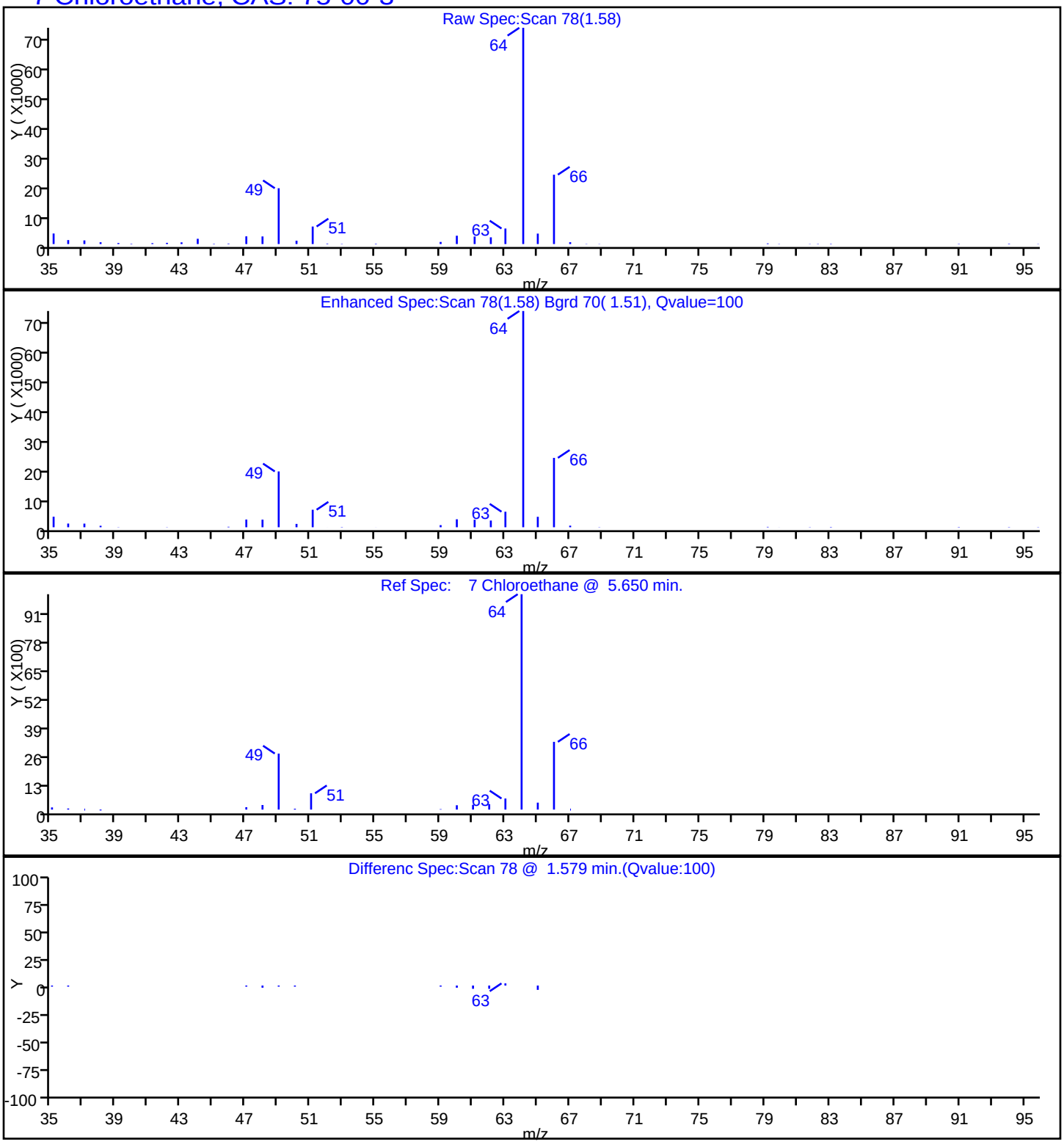
Report Date: 08-Apr-2016 19:57:54 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95908.D

Injection Date:	08-Apr-2016 17:02:30	Instrument ID:	CVOAMS2
Lims ID:	460-111491-B-1	Lab Sample ID:	460-111491-1
Client ID:	MW-31		
Operator ID:		ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

7 Chloroethane, CAS: 75-00-3



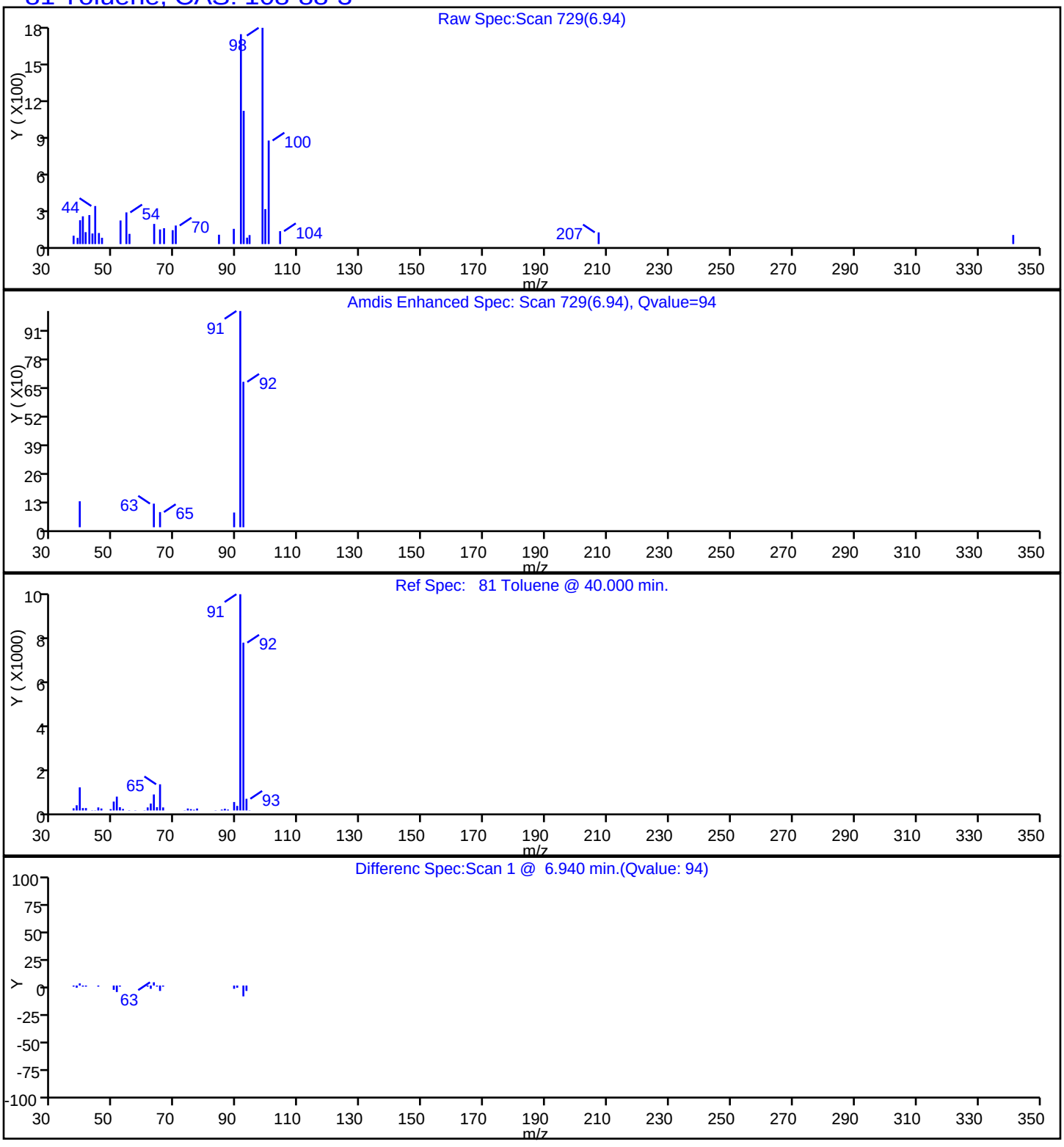
Report Date: 08-Apr-2016 19:57:54 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95908.D

Injection Date:	08-Apr-2016 17:02:30	Instrument ID:	CVOAMS2
Lims ID:	460-111491-B-1	Lab Sample ID:	460-111491-1
Client ID:	MW-31		
Operator ID:		ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

81 Toluene, CAS: 108-88-3



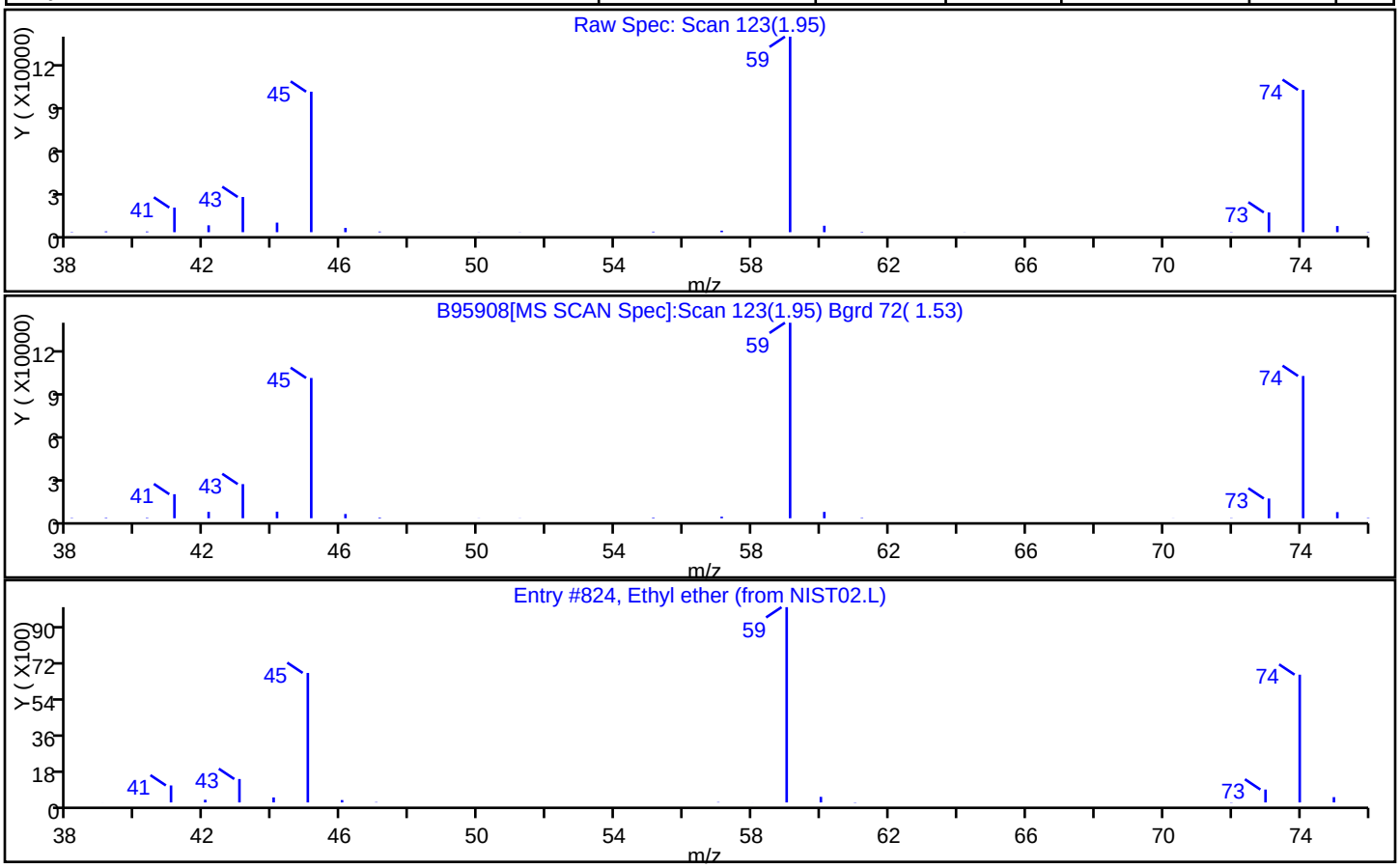
Report Date: 08-Apr-2016 19:57:55 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95908.D

Injection Date:	08-Apr-2016 17:02:30	Instrument ID:	CVOAMS2
Lims ID:	460-111491-B-1	Lab Sample ID:	460-111491-1
Client ID:	MW-31		
Operator ID:		ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:		Detector	MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Ethyl ether	60-29-7	NIST02.L	824	C4H10O	74	91



Report Date: 08-Apr-2016 19:57:55 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95908.D

Injection Date: 08-Apr-2016 17:02:30 Instrument ID: CVOAMS2

Lims ID: 460-111491-B-1 Lab Sample ID: 460-111491-1

Client ID: MW-31

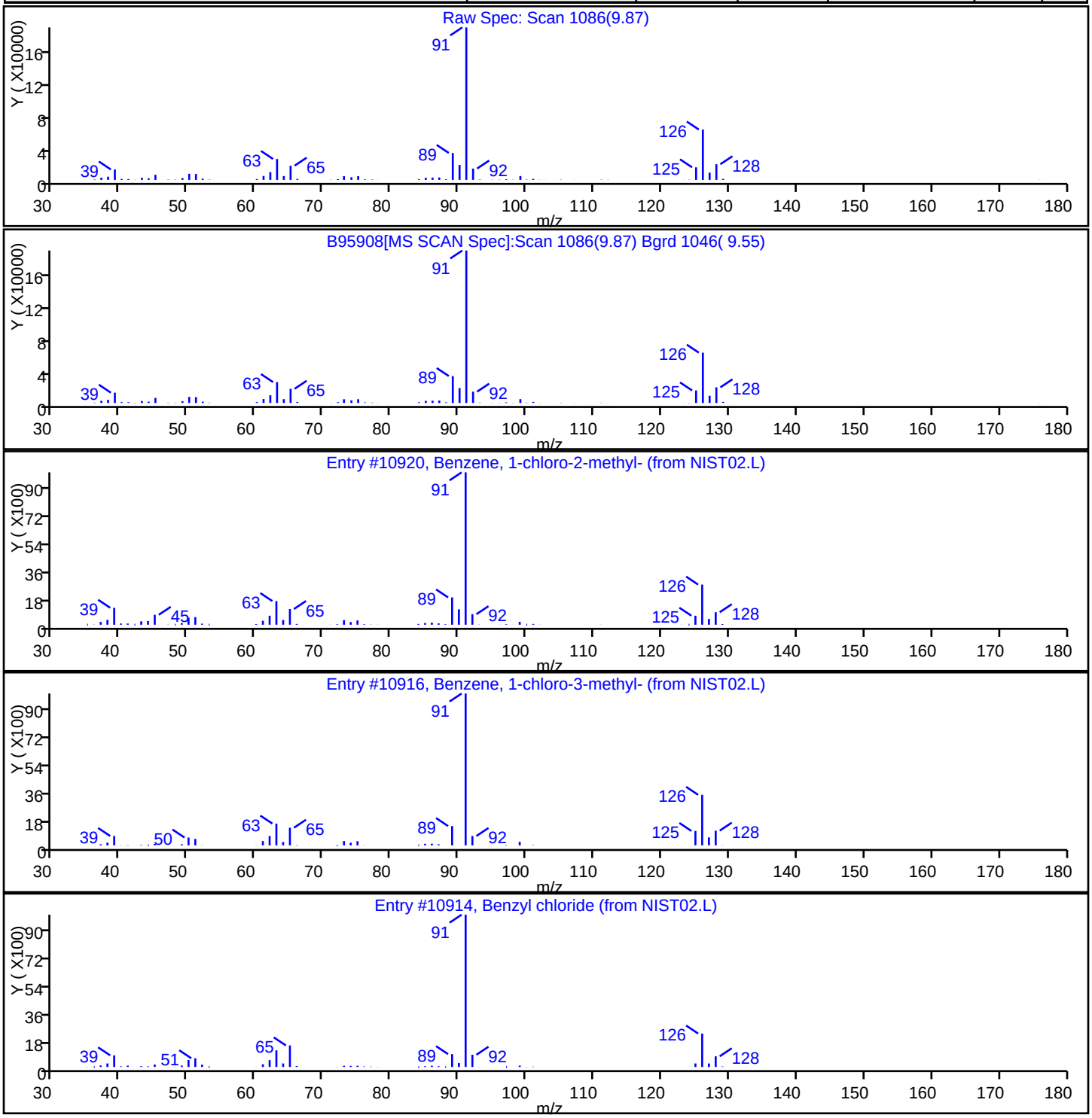
Operator ID: ALS Bottle#: 24 Worklist Smp#: 25

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Benzene, 1-chloro-2-methyl-	95-49-8	NIST02.L	10920	C7H7Cl	126	96
Benzene, 1-chloro-3-methyl-	108-41-8	NIST02.L	10916	C7H7Cl	126	95
Benzyl chloride	100-44-7	NIST02.L	10914	C7H7Cl	126	87



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-111491-1

SDG No.:

Client Sample ID: MW-36 | Lab Sample ID: 460-111491-2

Matrix: Water | Lab File ID: B95909.D

Analysis Method: 8260C | Date Collected: 03/31/2016 10:20

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2016 17:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 361444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	0.28	U	2.0	0.28
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	0.24	U	1.0	0.24
75-00-3	Chloroethane	0.37	U	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
124-48-1	Dibromochloromethane	0.22	U	1.0	0.22
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-01-4	Vinyl chloride	0.060	U	1.0	0.060

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Client Sample ID: MW-36 Lab Sample ID: 460-111491-2

Matrix: Water Lab File ID: B95909.D

Analysis Method: 8260C Date Collected: 03/31/2016 10:20

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2016 17:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 361444 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-137
460-00-4	Bromofluorobenzene	96		70-131
1868-53-7	Dibromofluoromethane (Surr)	103		72-136
2037-26-5	Toluene-d8 (Surr)	100		74-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Client Sample ID: MW-36 Lab Sample ID: 460-111491-2

Matrix: Water Lab File ID: B95909.D

Analysis Method: 8260C Date Collected: 03/31/2016 10:20

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2016 17:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 361444 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95909.D
Lims ID: 460-111491-B-2 Lab Sample ID: 460-111491-2
Client ID: MW-36
Sample Type: Client
Inject. Date: 08-Apr-2016 17:25:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-111491-B-2
Misc. Info.: 460-0039617-026
Operator ID: Instrument ID: CVOAMS2

Method: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Apr-2016 19:58:05 Calib Date: 07-Apr-2016 03:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: boykink Date: 08-Apr-2016 19:58:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	2.591	2.608	-0.017	86	288450	1000.0	
* 158 2-Butanone-d5	46	3.669	3.677	-0.008	97	284641	250.0	
$ 51 Dibromofluoromethane (Surr	113	4.196	4.196	0.000	95	113250	51.3	
$ 57 1,2-Dichloroethane-d4 (Sur	65	4.566	4.566	0.000	96	137956	51.2	
* 62 Fluorobenzene	96	4.871	4.879	-0.008	98	500316	50.0	
* 69 1,4-Dioxane-d8	96	5.710	5.710	0.000	96	26305	1000.0	
$ 80 Toluene-d8 (Surr)	98	6.846	6.854	-0.008	99	396349	49.9	
* 91 Chlorobenzene-d5	117	8.484	8.484	0.000	87	343443	50.0	
$ 102 4-Bromofluorobenzene	174	9.603	9.603	0.000	84	97245	48.1	
* 119 1,4-Dichlorobenzene-d4	152	10.566	10.566	0.000	98	156014	50.0	

Reagents:

8260ISNEW_00059 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00116 Amount Added: 1.00 Units: uL Run Reagent

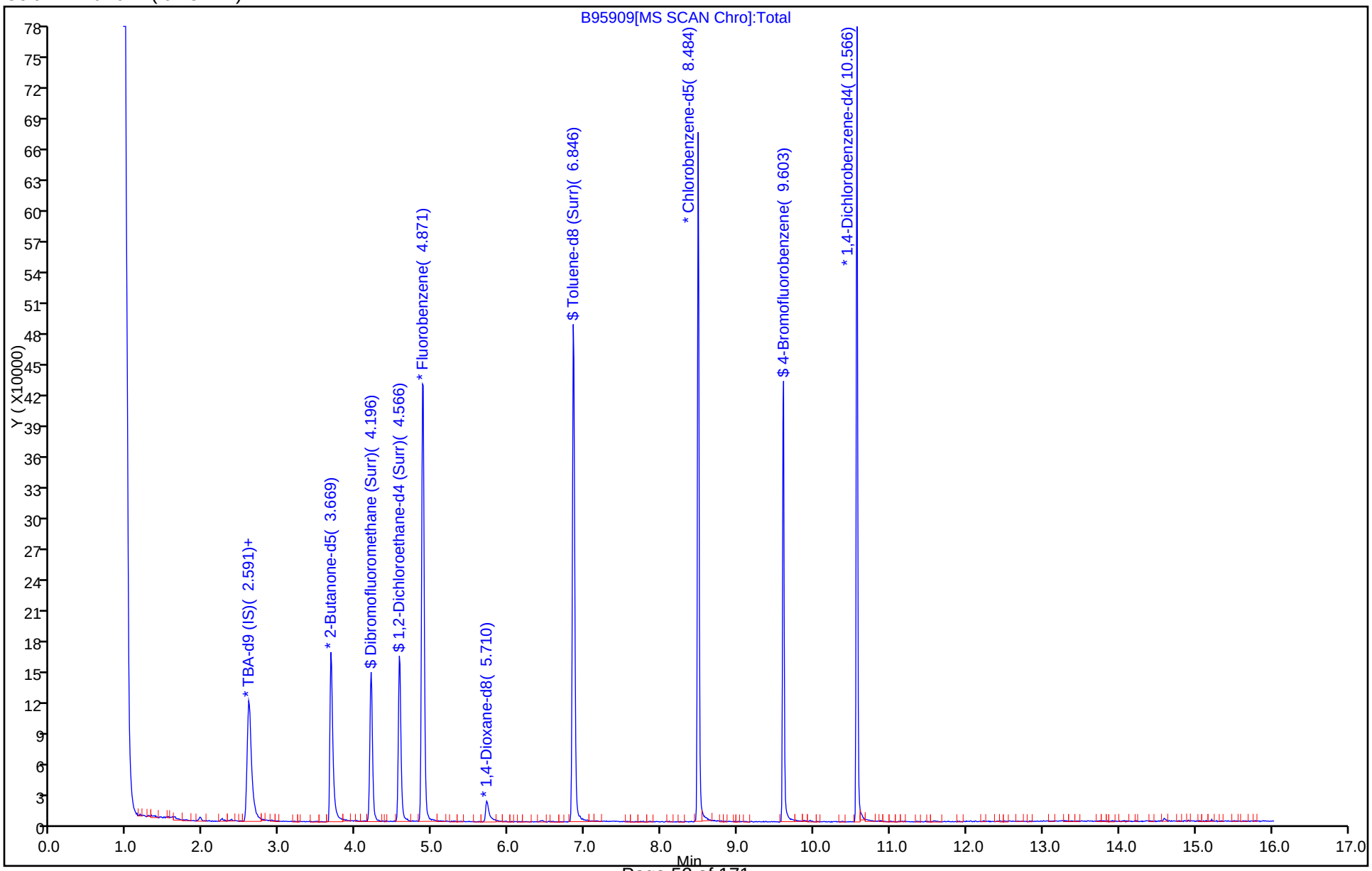
Report Date: 08-Apr-2016 19:58:05 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95909.D

Injection Date:	08-Apr-2016 17:25:30	Instrument ID:	CVOAMS2	Operator ID:	
Lims ID:	460-111491-B-2	Lab Sample ID:	460-111491-2	Worklist Smp#:	26
Client ID:	MW-36				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-111491-1

SDG No.:

Client Sample ID: MW-71 | Lab Sample ID: 460-111491-3

Matrix: Water | Lab File ID: B95910.D

Analysis Method: 8260C | Date Collected: 03/31/2016 11:35

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2016 17:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 361444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	0.28	U	2.0	0.28
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	2.1		1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	4.3		1.0	0.090
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	60		1.0	0.24
75-00-3	Chloroethane	0.67	J	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
124-48-1	Dibromochloromethane	0.22	U	1.0	0.22
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-01-4	Vinyl chloride	0.060	U	1.0	0.060

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Client Sample ID: MW-71 Lab Sample ID: 460-111491-3

Matrix: Water Lab File ID: B95910.D

Analysis Method: 8260C Date Collected: 03/31/2016 11:35

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2016 17:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 361444 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-137
460-00-4	Bromofluorobenzene	93		70-131
1868-53-7	Dibromofluoromethane (Surr)	104		72-136
2037-26-5	Toluene-d8 (Surr)	102		74-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison | Job No.: 460-111491-1

SDG No.:

Client Sample ID: MW-71 | Lab Sample ID: 460-111491-3

Matrix: Water | Lab File ID: B95910.D

Analysis Method: 8260C | Date Collected: 03/31/2016 11:35

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2016 17:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 361444 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 16

CAS NO.	COMPOUND NAME	RT	RESULT	Q
60-29-7	Ethyl ether	1.95	16	J N

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95910.D
Lims ID: 460-111491-B-3 Lab Sample ID: 460-111491-3
Client ID: MW-71
Sample Type: Client
Inject. Date: 08-Apr-2016 17:49:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-111491-B-3
Misc. Info.: 460-0039617-027
Operator ID: Instrument ID: CVOAMS2

Method: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Apr-2016 20:12:04 Calib Date: 07-Apr-2016 03:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: boykink Date: 08-Apr-2016 20:12:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
7 Chloroethane	64	1.571	1.579	-0.008	32	1177	0.6736	
* 27 TBA-d9 (IS)	65	2.599	2.608	-0.009	86	296073	1000.0	
33 1,1-Dichloroethane	63	3.151	3.151	0.000	98	11685	2.06	
* 158 2-Butanone-d5	46	3.669	3.677	-0.008	97	286410	250.0	
$ 51 Dibromofluoromethane (Surr	113	4.196	4.196	0.000	95	115465	51.8	
55 Benzene	78	4.533	4.533	0.000	97	47399	4.33	
$ 57 1,2-Dichloroethane-d4 (Sur	65	4.566	4.566	0.000	95	137056	50.4	
* 62 Fluorobenzene	96	4.871	4.879	-0.008	99	504945	50.0	
* 69 1,4-Dioxane-d8	96	5.710	5.710	0.000	97	27117	1000.0	
$ 80 Toluene-d8 (Surr)	98	6.846	6.854	-0.008	99	402365	51.1	
* 91 Chlorobenzene-d5	117	8.484	8.484	0.000	88	340171	50.0	
92 Chlorobenzene	112	8.508	8.517	-0.009	93	385775	60.0	
$ 102 4-Bromofluorobenzene	174	9.603	9.603	0.000	83	93519	46.7	
* 119 1,4-Dichlorobenzene-d4	152	10.566	10.566	0.000	98	153282	50.0	

Reagents:

8260ISNEW_00059 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00116 Amount Added: 1.00 Units: uL Run Reagent

TestAmerica Edison
Tentatively Identified Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95910.D				
Lims ID:	460-111491-B-3	Lab Sample ID:	460-111491-3		
Client ID:	MW-71				
Sample Type:	Client				
Inject. Date:	08-Apr-2016 17:49:30	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-111491-B-3				
Misc. Info.:	460-0039617-027				
Operator ID:		Instrument ID:	CVOAMS2		
Method:	\\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\8260W_2.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	08-Apr-2016 20:12:04	Calib Date:	07-Apr-2016 03:27:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\ChromNA\Edison\Database\NIST02.L				
Min. Match:	85				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK015				
First Level Reviewer: boykink		Date:	08-Apr-2016 20:12:04		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
60-29-7 Ethyl ether								
1.949	334170	16.1	62	91	824	C4H10O	74	

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 62 Fluorobenzene	4.871	1038931	50.0

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00059	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00116	Amount Added:	1.00	Units: uL	Run Reagent

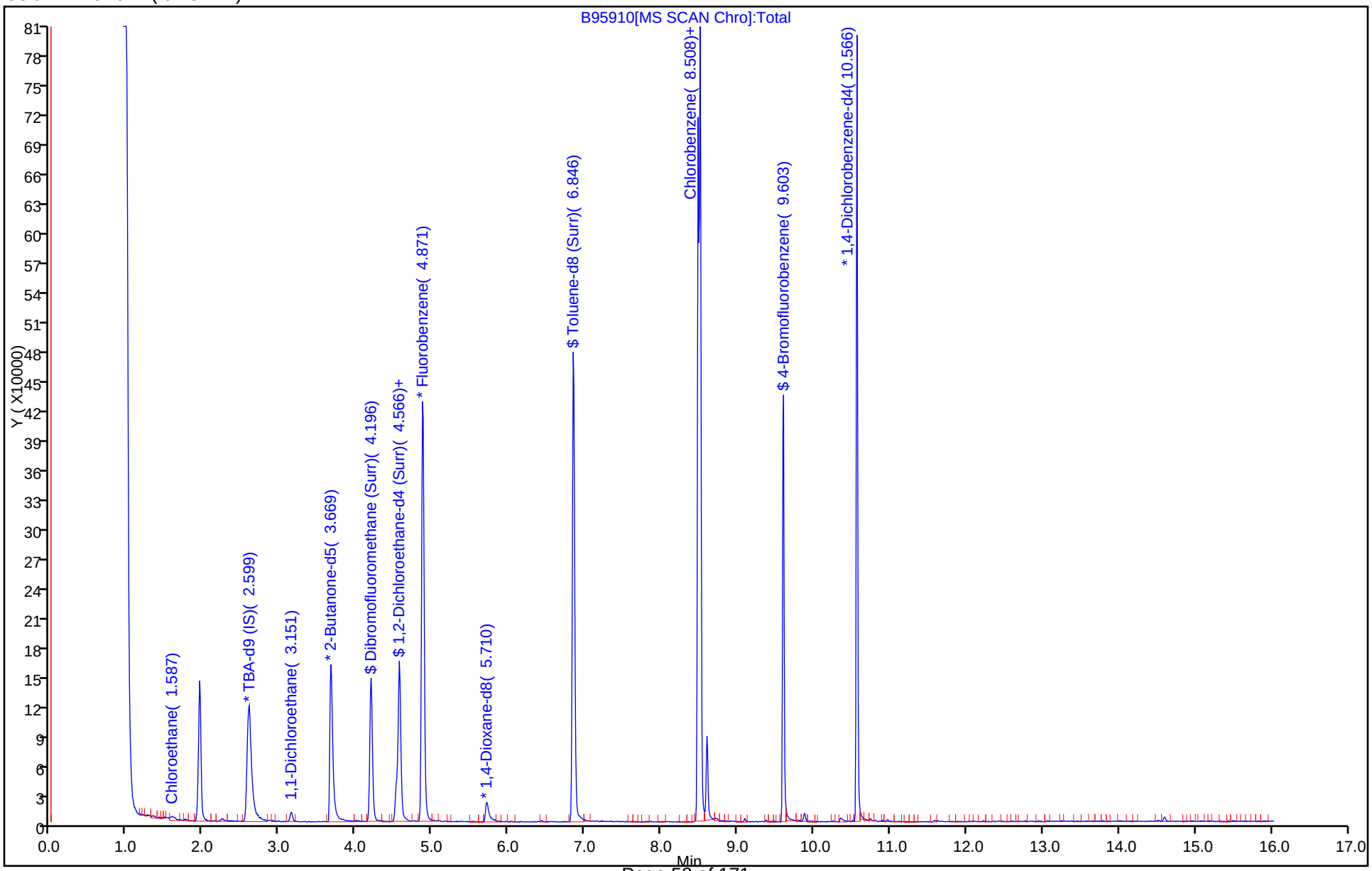
Report Date: 08-Apr-2016 20:12:04 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95910.D

Injection Date:	08-Apr-2016 17:49:30	Instrument ID:	CVOAMS2	Operator ID:	
Lims ID:	460-111491-B-3	Lab Sample ID:	460-111491-3	Worklist Smp#:	27
Client ID:	MW-71				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



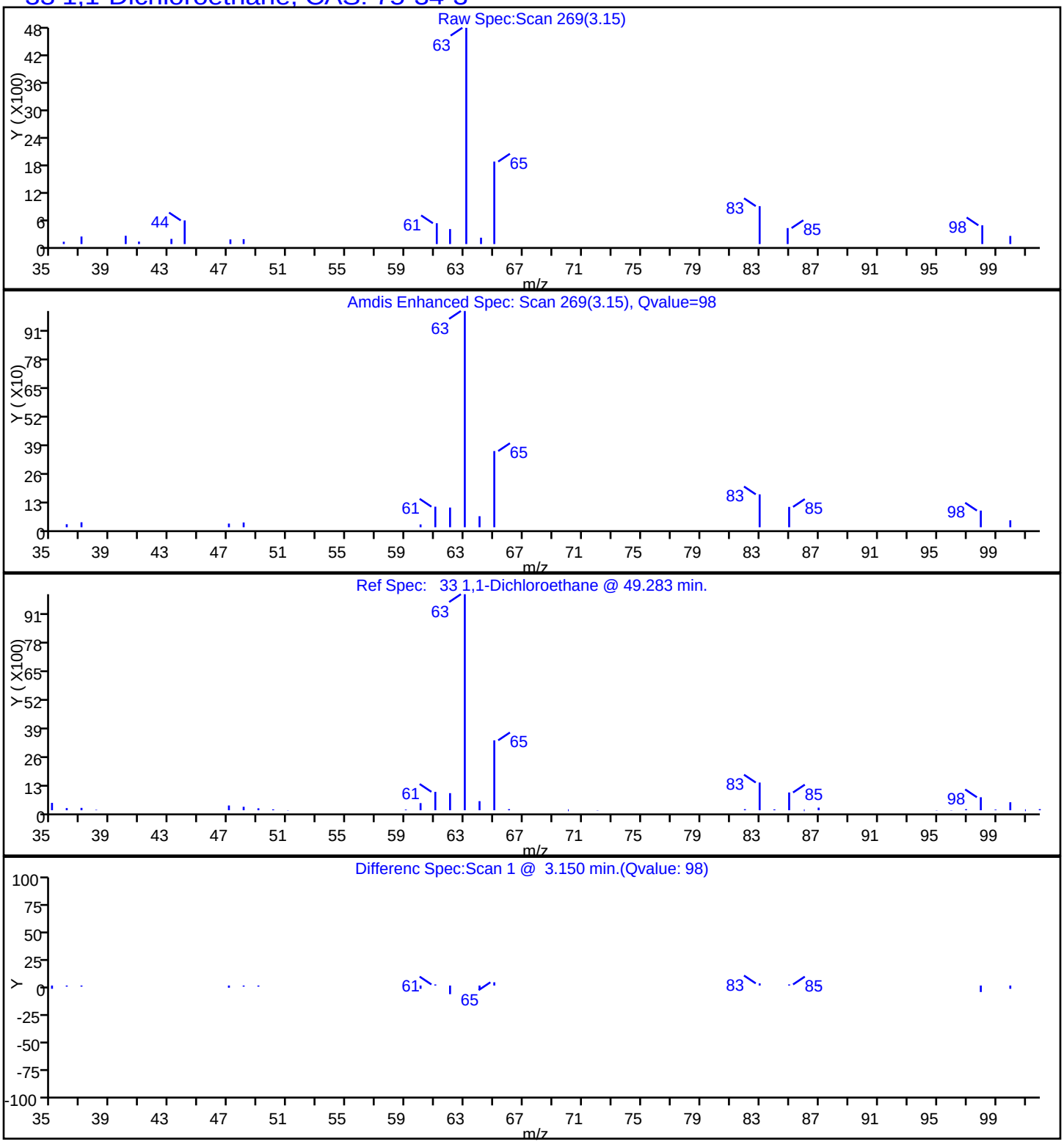
Report Date: 08-Apr-2016 20:12:04 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95910.D

Injection Date:	08-Apr-2016 17:49:30	Instrument ID:	CVOAMS2
Lims ID:	460-111491-B-3	Lab Sample ID:	460-111491-3
Client ID:	MW-71		
Operator ID:		ALS Bottle#:	26 Worklist Smp#: 27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

33 1,1-Dichloroethane, CAS: 75-34-3



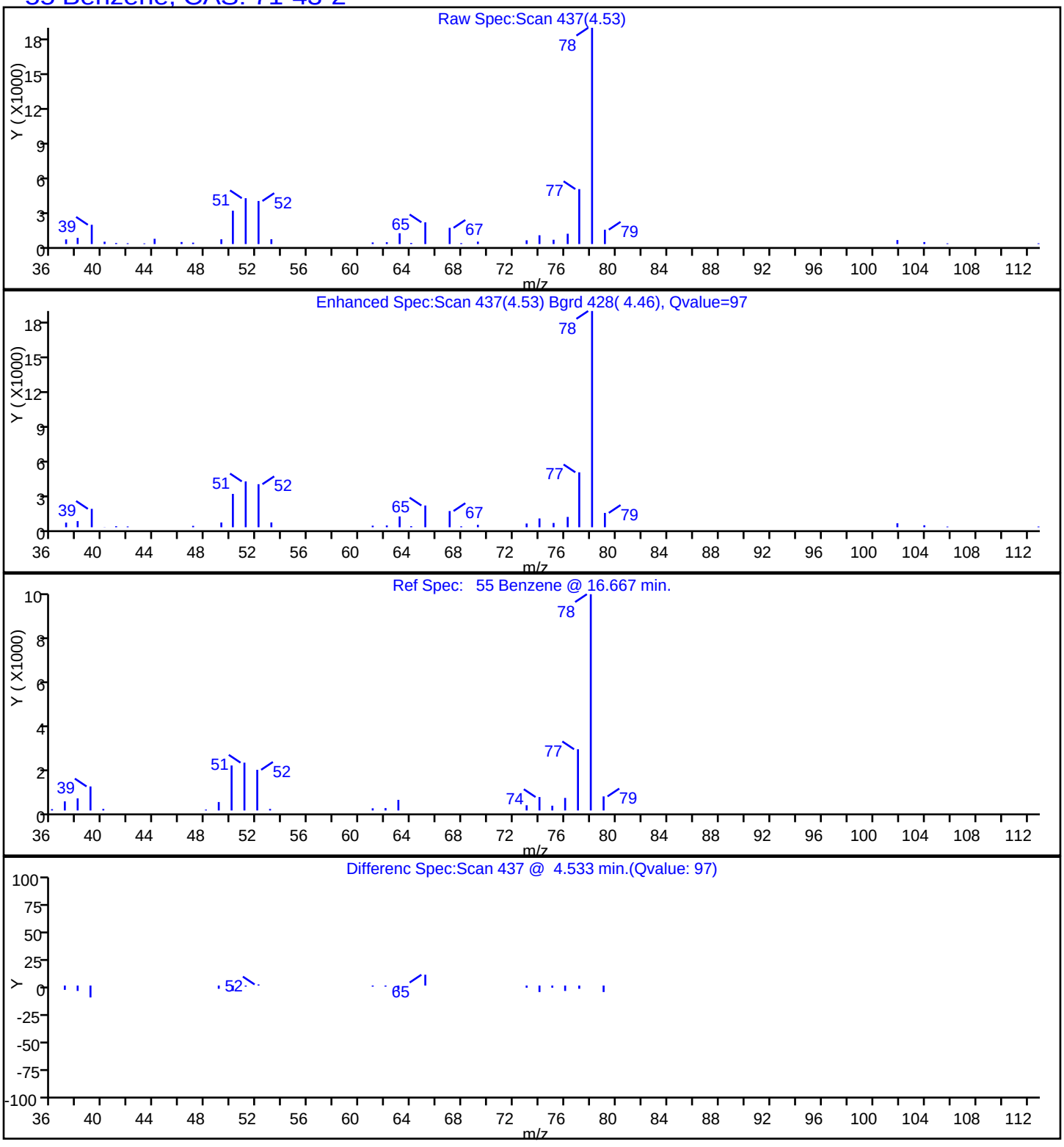
Report Date: 08-Apr-2016 20:12:04 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95910.D

Injection Date:	08-Apr-2016 17:49:30	Instrument ID:	CVOAMS2		
Lims ID:	460-111491-B-3	Lab Sample ID:	460-111491-3		
Client ID:	MW-71				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

55 Benzene, CAS: 71-43-2



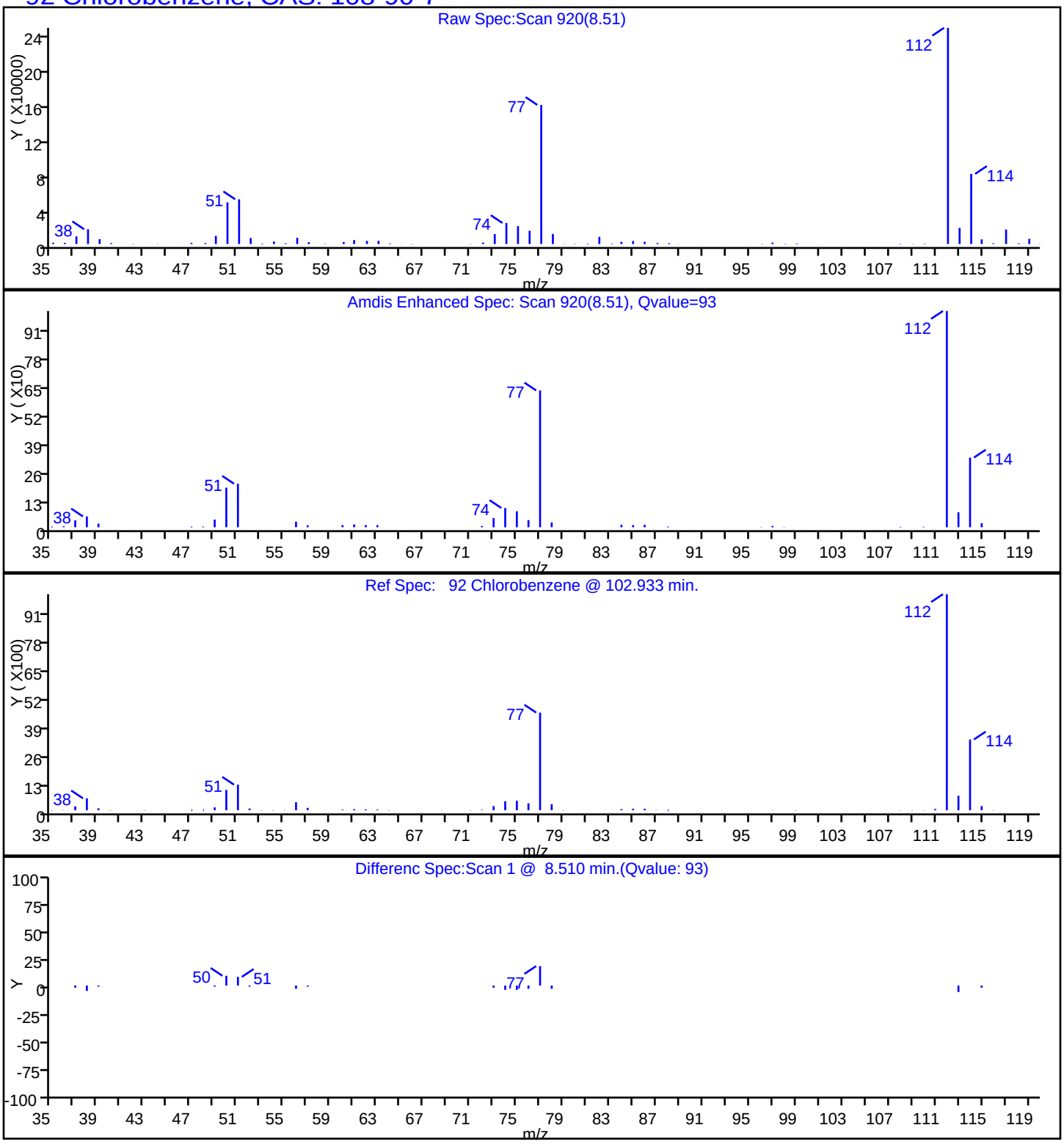
Report Date: 08-Apr-2016 20:12:04 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95910.D

Injection Date:	08-Apr-2016 17:49:30	Instrument ID:	CVOAMS2		
Lims ID:	460-111491-B-3	Lab Sample ID:	460-111491-3		
Client ID:	MW-71				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

92 Chlorobenzene, CAS: 108-90-7



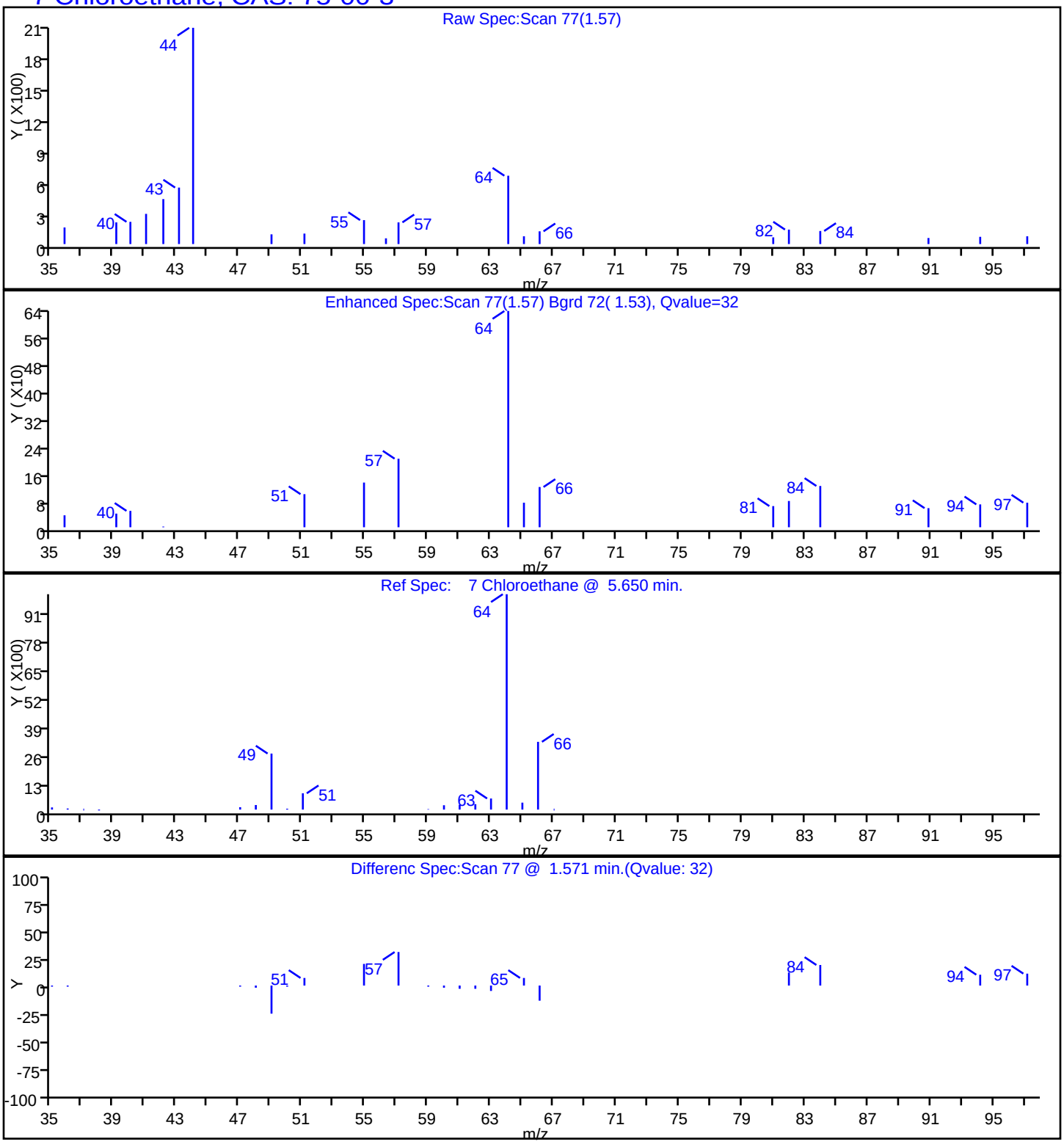
Report Date: 08-Apr-2016 20:12:04 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95910.D

Injection Date:	08-Apr-2016 17:49:30	Instrument ID:	CVOAMS2		
Lims ID:	460-111491-B-3	Lab Sample ID:	460-111491-3		
Client ID:	MW-71				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

7 Chloroethane, CAS: 75-00-3



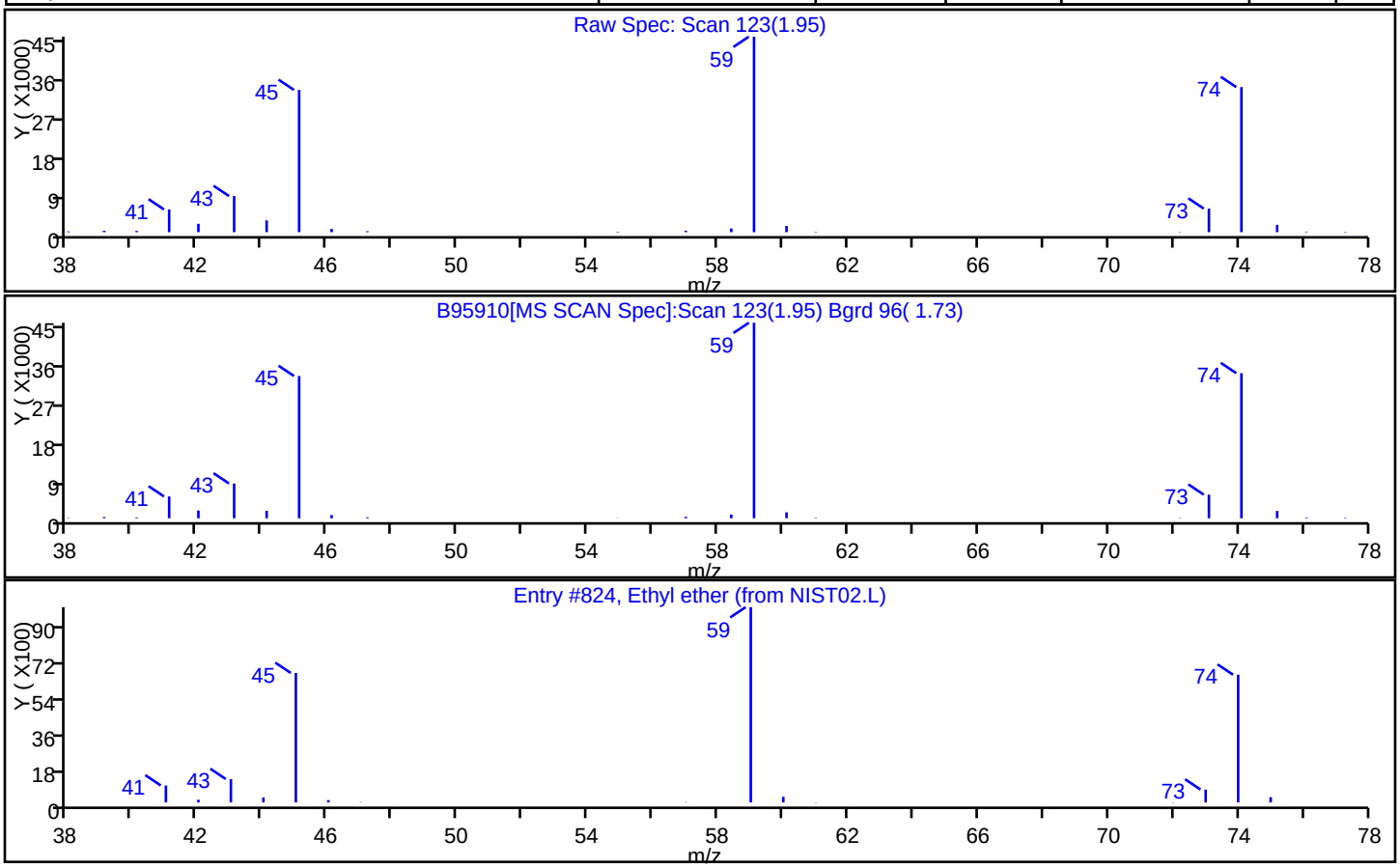
Report Date: 08-Apr-2016 20:12:05 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95910.D

Injection Date:	08-Apr-2016 17:49:30	Instrument ID:	CVOAMS2
Lims ID:	460-111491-B-3	Lab Sample ID:	460-111491-3
Client ID:	MW-71		
Operator ID:		ALS Bottle#:	26 Worklist Smp#: 27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid
Column:		Detector	MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Ethyl ether	60-29-7	NIST02.L	824	C4H10O	74	91



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111491-1 Analy Batch No.: 361163

SDG No.:

Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2016 00:39 Calibration End Date: 04/07/2016 03:27 Calibration ID: 55211

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-361163/2	B95815.D
Level 2	STD1 460-361163/4	B95817.D
Level 3	STD5 460-361163/5	B95818.D
Level 4	STD20 460-361163/6	B95819.D
Level 5	STD50 460-361163/7	B95820.D
Level 6	STD200 460-361163/8	B95821.D
Level 7	STD500 460-361163/9	B95822.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	+++++ 0.0534	0.0511 0.0485	0.0637	0.0593	0.0563	Ave		0.0554				10.0		20.0			
Dichlorodifluoromethane	+++++ 0.4256	0.4968 0.3933	0.4620	0.4359	0.4390	Ave		0.4421			0.1000	7.9		20.0			
Chloromethane	+++++ 0.3132	0.3590 0.2926	0.3468	0.3187	0.3232	Ave		0.3256			0.1000	7.4		20.0			
Vinyl chloride	+++++ 0.3020	0.3759 0.2703	0.3398	0.3021	0.3115	Ave		0.3169			0.1000	11.5		20.0			
Butadiene	+++++ 0.2498	0.2947 0.2199	0.2865	0.2475	0.2550	Ave		0.2589				10.6		20.0			
Bromomethane	+++++ 0.1892	0.3187 0.1506	0.2452	0.2164	0.2105	Qua2	0.1027	0.2175	-0.000136		0.1000				1.0000		0.9900
Chloroethane	+++++ 0.1533	0.2076 0.1292	0.1788	0.1701	0.1677	Ave		0.1678			0.1000	15.6		20.0			
Dichlorofluoromethane	+++++ 0.5752	0.6179 0.5021	0.6179	0.5912	0.5965	Ave		0.5835				7.4		20.0			
Trichlorofluoromethane	+++++ 0.4230	0.4312 0.3787	0.4494	0.4259	0.4290	Ave		0.4229			0.1000	5.6		20.0			
Pentane	+++++ 0.0395	0.0360 0.0358	0.0368	0.0416	0.0403	Ave		0.0383				6.4		20.0			
Ethyl ether	+++++ 0.2397	0.2999 0.2189	0.2609	0.2485	0.2491	Ave		0.2528				10.7		20.0			
Ethanol	+++++ 0.0492	0.0814 0.0485	0.0599	0.0420	0.0482	Lin2	1.3855	0.0475							0.9920		0.9900
2-Methyl-1,3-butadiene	+++++ 0.2666	0.3229 0.2436	0.2519	0.2581	0.2630	Ave		0.2677				10.6		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.2267	0.2760 0.2083	0.2491	0.2341	0.2298	Ave		0.2374				9.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111491-1 Analy Batch No.: 361163

SDG No.:

Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2016 00:39 Calibration End Date: 04/07/2016 03:27 Calibration ID: 55211

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acrolein	+++++ 2.0498	2.2104 2.0602	2.1128	1.9969	2.0493	Ave		2.0799				3.5		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.2469	0.2971 0.2259	0.2341	0.2578	0.2421	Ave		0.2506			0.1000	10.1		20.0			
1,1-Dichloroethene	+++++ 0.2837	0.3516 0.2611	0.3001	0.2853	0.2877	Ave		0.2949			0.1000	10.3		20.0			
Acetone	+++++ 0.6844	0.9881 0.6756	0.8471	0.6996	0.6949	Ave		0.7650			0.0500	16.6		20.0			
Iodomethane	+++++ 0.4933	0.5665 0.4602	0.5232	0.5095	0.5019	Ave		0.5091				6.9		20.0			
Carbon disulfide	+++++ 1.0188	1.0802 0.9197	0.9638	0.9951	1.0154	Ave		0.9988			0.1000	5.4		20.0			
Isopropyl alcohol	+++++ 0.6483	0.8393 0.6395	0.6622	0.5632	0.6109	Ave		0.6606				14.3		20.0			
Allyl chloride	+++++ 0.1804	0.2438 0.1629	0.1851	0.1769	0.1826	Ave		0.1886				14.9		20.0			
Cyclopentene	+++++ 0.7281	0.7912 0.6667	0.7559	0.7344	0.7299	Ave		0.7344				5.6		20.0			
Methyl acetate	+++++ 0.2273	0.2302 0.2012	0.2275	0.2322	0.2269	Ave		0.2242			0.1000	5.1		20.0			
Acetonitrile	+++++ 0.0444	0.0356 0.0409	0.0444	0.0410	0.0428	Ave		0.0415				8.0		20.0			
Methylene Chloride	+++++ 0.3195	0.4268 0.2981	0.3541	0.3341	0.3215	Ave		0.3424			0.1000	13.2		20.0			
2-Methyl-2-propanol	+++++ 1.0477	1.5079 1.0439	1.3210	1.0844	1.0432	Ave		1.1747				16.6		20.0			
Methyl tert-butyl ether	+++++ 0.8339	0.9272 0.7714	0.9327	0.8716	0.8477	Ave		0.8641			0.1000	7.0		20.0			
trans-1,2-Dichloroethene	+++++ 0.2948	0.3475 0.2721	0.3079	0.2980	0.2999	Ave		0.3033			0.1000	8.2		20.0			
Acrylonitrile	0.0970 0.1133	0.0935 0.1011	0.1094	0.1154	0.1152	Ave		0.1064				8.5		20.0			
Hexane	+++++ 0.1337	0.1888 0.1223	0.1119	0.1373	0.1256	Ave		0.1366				19.8		20.0			
Isopropyl ether	+++++ 0.9399	1.1684 0.8542	1.0956	0.9705	0.9759	Ave		1.0007				11.3		20.0			
1,1-Dichloroethane	+++++ 0.5419	0.6333 0.4967	0.5979	0.5582	0.5559	Ave		0.5640			0.2000	8.3		20.0			
Vinyl acetate	+++++ 0.0550	0.0545 0.0512	0.0563	0.0494	0.0514	Ave		0.0530				5.1		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111491-1 Analy Batch No.: 361163

SDG No.:

Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2016 00:39 Calibration End Date: 04/07/2016 03:27 Calibration ID: 55211

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Chloro-1,3-butadiene	+++++ 0.2666	0.2570 0.2525	0.2882	0.2527	0.2626	Ave		0.2633				5.1		20.0			
Tert-butyl ethyl ether	+++++ 0.9007	1.0543 0.8358	1.0469	0.9303	0.9325	Ave		0.9501				9.0		20.0			
2,2-Dichloropropane	+++++ 0.2176	0.4443 0.1937	0.2751	0.2399	0.2248	Qua2	0.2157	0.2292	-0.000071						1.0000		0.9900
cis-1,2-Dichloroethene	+++++ 0.3104	0.3647 0.2970	0.3240	0.3182	0.3158	Ave		0.3217			0.1000	7.1		20.0			
2-Butanone	+++++ 0.2879	0.2646 0.2829	0.3265	0.2769	0.2728	Ave		0.2853			0.0500	7.6		20.0			
Ethyl acetate	+++++ 0.2764	0.5915 0.2789	0.3541	0.2656	0.2431	Lin2	0.6606	0.2646							0.9940		0.9900
Methyl acrylate	+++++ 0.2722	0.2746 0.2781	0.2233	0.2347	0.2522	Ave		0.2559				9.0		20.0			
Propionitrile	+++++ 1.5069	1.9610 1.4929	1.6374	1.4022	1.4070	Ave		1.5679				13.4		20.0			
Tetrahydrofuran	+++++ 0.3276	0.6394 0.3276	0.4226	0.3426	0.3295	Lin2	0.6261	0.3316							0.9980		0.9900
Chlorobromomethane	+++++ 0.1450	0.1534 0.1399	0.1507	0.1495	0.1487	Ave		0.1479				3.2		20.0			
Methacrylonitrile	+++++ 0.1265	0.1250 0.1103	0.1344	0.1250	0.1264	Ave		0.1246				6.3		20.0			
Chloroform	+++++ 0.4896	0.6012 0.4571	0.5226	0.4857	0.4891	Ave		0.5075			0.2000	9.9		20.0			
Cyclohexane	+++++ 0.3090	0.3767 0.2879	0.2805	0.3169	0.3010	Ave		0.3120			0.1000	11.0		20.0			
1,1,1-Trichloroethane	+++++ 0.3889	0.5087 0.3635	0.3899	0.3807	0.3813	Ave		0.4022			0.1000	13.2		20.0			
Carbon tetrachloride	+++++ 0.3117	0.3319 0.2950	0.2872	0.2936	0.3020	Ave		0.3036			0.1000	5.3		20.0			
1,1-Dichloropropene	+++++ 0.3769	0.3989 0.3549	0.3680	0.3517	0.3604	Ave		0.3685				4.7		20.0			
2,2,4-Trimethylpentane	+++++ 0.4458	0.5365 0.4332	0.3793	0.4493	0.4406	Ave		0.4474				11.3		20.0			
Benzene	+++++ 1.5411	1.8005 1.3703	1.6756	1.5906	1.6319	Ave		1.6017			0.5000	9.0		20.0			
Isobutyl alcohol	+++++ 0.5638	0.3126 0.5845	0.5568	0.4980	0.5227	Ave		0.5064				19.7		20.0			
Tert-amyl methyl ether	+++++ 1.0193	1.2539 0.9471	1.1473	1.0561	1.0370	Ave		1.0768				10.0		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111491-1 Analy Batch No.: 361163

SDG No.:

Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2016 00:39 Calibration End Date: 04/07/2016 03:27 Calibration ID: 55211

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isopropyl acetate	+++++ 0.2631	0.3246 0.2508	0.2977	0.2642	0.2680	Ave		0.2781				9.9		20.0			
1,2-Dichloroethane	+++++ 0.3705	0.4812 0.3532	0.4143	0.3798	0.3620	Ave		0.3935			0.1000	12.2		20.0			
n-Heptane	+++++ 0.0921	0.1676 0.0899	0.0763	0.0942	0.0859	Lin	0.0322	0.0901							1.0000		0.9900
Trichloroethene	+++++ 0.2770	0.3288 0.2671	0.2743	0.2593	0.2707	Ave		0.2795			0.2000	8.9		20.0			
n-Butanol	+++++ 0.3744	0.3317 0.3951	0.2234	0.2828	0.3158	Ave		0.3205				19.5		20.0			
Methylcyclohexane	+++++ 0.2588	0.3495 0.2480	0.2288	0.2670	0.2481	Ave		0.2667			0.1000	15.9		20.0			
Ethyl acrylate	+++++ 0.3875	0.2270 0.4051	0.2568	0.3073	0.3454	Qua2	-0.096	0.3149	0.0002089						0.9940		0.9900
1,2-Dichloropropane	+++++ 0.3054	0.3194 0.2939	0.2915	0.2948	0.2972	Ave		0.3004			0.1000	3.5		20.0			
Methyl methacrylate	+++++ 0.0775	0.0701 0.0768	0.0710	0.0723	0.0712	Ave		0.0731				4.4		20.0			
1,4-Dioxane	+++++ 1.0767	1.3844 0.9486	1.1303	1.1397	1.1267	Ave		1.1344				12.5		20.0			
Dibromomethane	+++++ 0.1840	0.2098 0.1789	0.1760	0.1742	0.1732	Ave		0.1827				7.6		20.0			
n-Propyl acetate	+++++ 0.4435	0.4953 0.4341	0.3553	0.3899	0.3980	Ave		0.4193				11.7		20.0			
Bromodichloromethane	+++++ 0.3745	0.4607 0.3703	0.3612	0.3462	0.3550	Ave		0.3780			0.2000	11.1		20.0			
2-Nitropropane	+++++ 0.0780	0.1066 0.0769	0.0934	0.0749	0.0729	Ave		0.0838				15.9		20.0			
2-Chloroethyl vinyl ether	+++++ 0.2073	0.2025 0.2063	0.1859	0.1781	0.1906	Ave		0.1951				6.2		20.0			
Epichlorohydrin	0.2774 0.2638	0.2036 0.2627	0.2385	0.2277	0.2495	Ave		0.2462				10.2		20.0			
cis-1,3-Dichloropropene	+++++ 0.6698	0.6814 0.6438	0.6498	0.6631	0.6625	Ave		0.6617			0.2000	2.1		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 2.5579	3.4848 2.2140	2.7134	2.5717	2.5233	Ave		2.6775			0.0500	16.0		20.0			
Toluene	+++++ 1.5016	1.8546 1.3284	1.5615	1.5136	1.5394	Ave		1.5499			0.4000	11.0		20.0			
trans-1,3-Dichloropropene	+++++ 0.5899	0.5581 0.5739	0.5317	0.5649	0.5846	Ave		0.5672			0.1000	3.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111491-1 Analy Batch No.: 361163

SDG No.:

Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2016 00:39 Calibration End Date: 04/07/2016 03:27 Calibration ID: 55211

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl methacrylate	+++++ 0.5490	0.6215 0.5288	0.5484	0.5512	0.5519	Ave		0.5585				5.7		20.0			
1,1,2-Trichloroethane	+++++ 0.3126	0.3601 0.3034	0.3207	0.3051	0.3115	Ave		0.3189			0.1000	6.6		20.0			
Tetrachloroethene	+++++ 0.2812	0.3389 0.2697	0.2711	0.2751	0.2763	Ave		0.2854			0.2000	9.3		20.0			
1,3-Dichloropropane	+++++ 0.6120	0.6172 0.5907	0.6327	0.6047	0.6150	Ave		0.6120				2.3		20.0			
2-Hexanone	+++++ 1.6955	1.8858 1.5310	1.6870	1.5922	1.6131	Ave		1.6674			0.0500	7.4		20.0			
Dibromochloromethane	+++++ 0.3618	0.3665 0.3577	0.3256	0.3287	0.3367	Ave		0.3462			0.1000	5.2		20.0			
n-Butyl acetate	+++++ 0.1099	0.1282 0.1110	0.1170	0.1070	0.1084	Ave		0.1136				7.0		20.0			
Ethylene Dibromide	+++++ 0.3564	0.3519 0.3470	0.3419	0.3443	0.3435	Ave		0.3475			0.1000	1.6		20.0			
Chlorobenzene	+++++ 0.9402	1.0632 0.8713	0.9664	0.9023	0.9316	Ave		0.9458			0.5000	7.0		20.0			
Ethylbenzene	+++++ 0.4837	0.6305 0.4608	0.5064	0.4715	0.4764	Ave		0.5049			0.1000	12.6		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3531	0.4100 0.3392	0.3649	0.3359	0.3517	Ave		0.3592				7.5		20.0			
m-Xylene & p-Xylene	+++++ 0.5883	0.6846 0.5547	0.6148	0.5722	0.5748	Ave		0.5983			0.1000	7.8		20.0			
o-Xylene	+++++ 0.6162	0.7469 0.5727	0.6448	0.6184	0.6251	Ave		0.6374			0.3000	9.2		20.0			
n-Butyl acrylate	+++++ 0.3556	0.3739 0.3466	0.3647	0.3385	0.3419	Ave		0.3535				3.9		20.0			
Styrene	+++++ 1.0495	1.1108 0.9291	1.0688	0.9936	1.0194	Ave		1.0285			0.3000	6.2		20.0			
Amyl acetate (mixed isomers)	+++++ 1.8667	2.0733 1.6768	1.7296	1.7378	1.7343	Ave		1.8031				8.1		20.0			
Bromoform	+++++ 0.2120	0.2046 0.2134	0.1845	0.1805	0.1840	Ave		0.1965			0.1000	7.7		20.0			
Isopropylbenzene	+++++ 1.3001	1.5429 1.0954	1.3207	1.3319	1.3352	Ave		1.3210			0.1000	10.8		20.0			
Bromobenzene	+++++ 0.7832	0.8457 0.7537	0.7665	0.7442	0.7228	Ave		0.7694				5.5		20.0			
1,1,2,2-Tetrachloroethane	+++++ 1.1843	1.2893 1.1019	1.2201	1.1181	1.1088	Ave		1.1704			0.3000	6.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111491-1 Analy Batch No.: 361163

SDG No.:

Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2016 00:39 Calibration End Date: 04/07/2016 03:27 Calibration ID: 55211

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Propylbenzene	+++++ 3.2699	3.4486 2.5639	3.1638	3.1996	3.2021	Ave		3.1413				9.6		20.0			
1,2,3-Trichloropropane	+++++ 0.2968	0.3378 0.2864	0.2965	0.2985	0.2868	Ave		0.3005				6.3		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.3094	0.3254 0.3009	0.2783	0.2725	0.2856	Ave		0.2953				6.8		20.0			
2-Chlorotoluene	+++++ 2.5961	2.7756 2.2128	2.5264	2.4885	2.4903	Ave		2.5150				7.3		20.0			
4-Ethyltoluene	+++++ 2.7675	3.0390 2.3293	2.7973	2.5999	2.6515	Ave		2.6974				8.8		20.0			
1,3,5-Trimethylbenzene	+++++ 2.4145	2.5135 2.0046	2.2450	2.2139	2.3329	Ave		2.2874				7.7		20.0			
4-Chlorotoluene	+++++ 2.3655	2.7292 2.0207	2.3047	2.2889	2.2568	Ave		2.3276				9.9		20.0			
Butyl Methacrylate	+++++ 1.2971	1.3796 1.2147	1.2820	1.2538	1.2190	Ave		1.2744				4.8		20.0			
tert-Butylbenzene	+++++ 1.7493	1.8270 1.5849	1.5939	1.6076	1.6569	Ave		1.6699				5.9		20.0			
1,2,4-Trimethylbenzene	+++++ 2.5378	2.9833 2.0873	2.4539	2.4364	2.4497	Ave		2.4914				11.5		20.0			
sec-Butylbenzene	+++++ 2.4526	2.7572 2.0900	2.2266	2.3512	2.3986	Ave		2.3794				9.5		20.0			
4-Isopropyltoluene	+++++ 2.1104	2.3514 1.8441	1.9226	1.9097	1.9899	Ave		2.0213				9.2		20.0			
1,3-Dichlorobenzene	+++++ 1.2801	1.5080 1.2080	1.2931	1.1758	1.2212	Ave		1.2810			0.6000	9.3		20.0			
1,4-Dichlorobenzene	+++++ 1.3351	1.7361 1.2375	1.3647	1.2960	1.2269	Ave		1.3661			0.5000	13.8		20.0			
Benzyl chloride	+++++ 2.3311	2.0972 1.9917	2.0571	2.0391	2.1492	Ave		2.1109				5.7		20.0			
Indan	+++++ 2.8122	3.0554 2.2749	2.9749	2.6884	2.7591	Ave		2.7608				9.9		20.0			
p-Diethylbenzene	+++++ 1.1548	1.2510 1.0769	1.1564	1.0798	1.0993	Ave		1.1364				5.8		20.0			
n-Butylbenzene	+++++ 2.2019	2.8131 1.9903	2.0856	2.1515	2.1589	Ave		2.2335				13.1		20.0			
1,2-Dichlorobenzene	+++++ 1.3508	1.6363 1.2647	1.3290	1.2708	1.2811	Ave		1.3554			0.4000	10.5		20.0			
1,2,4,5-Tetramethylbenzene	+++++ 2.0739	2.2567 1.8140	2.0320	1.9670	1.9867	Ave		2.0217				7.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-111491-1 Analy Batch No.: 361163

SDG No.:

Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2016 00:39 Calibration End Date: 04/07/2016 03:27 Calibration ID: 55211

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dibromo-3-Chloropropane	+++++ 0.2092	0.2091 0.1996	0.2218	0.1897	0.2015	Ave		0.2052			0.0500	5.3		20.0			
1,3,5-Trichlorobenzene	+++++ 0.7120	0.8244 0.6879	0.7597	0.6761	0.6922	Ave		0.7254				7.8		20.0			
1,2,4-Trichlorobenzene	+++++ 0.6941	0.7246 0.6646	0.6819	0.6912	0.6776	Ave		0.6890			0.2000	3.0		20.0			
Hexachlorobutadiene	+++++ 0.2686	0.3914 0.2654	0.2498	0.2517	0.2535	Ave		0.2801				19.7		20.0			
Naphthalene	+++++ 2.6295	3.0638 2.1979	2.5253	2.6210	2.6073	Ave		2.6075				10.6		20.0			
1,2,3-Trichlorobenzene	+++++ 0.6391	0.7742 0.5998	0.6259	0.6049	0.6259	Ave		0.6450				10.1		20.0			
Dibromofluoromethane (Surr)	0.2211 0.2217	0.2224 0.2170	0.2155	0.2217	0.2211	Ave		0.2201				1.2		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2510 0.2588	0.2607 0.2675	0.2652	0.2693	0.2657	Ave		0.2626				2.4		20.0			
Toluene-d8 (Surr)	1.1604 1.1282	1.1722 1.1098	1.1674	1.1747	1.1879	Ave		1.1572				2.4		20.0			
Bromofluorobenzene	0.3029 0.2914	0.2953 0.2953	0.2895	0.2961	0.2907	Ave		0.2945				1.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111491-1 Analy Batch No.: 361163

SDG No.:

Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2016 00:39 Calibration End Date: 04/07/2016 03:27 Calibration ID: 55211

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-361163/2	B95815.D
Level 2	STD1 460-361163/4	B95817.D
Level 3	STD5 460-361163/5	B95818.D
Level 4	STD20 460-361163/6	B95819.D
Level 5	STD50 460-361163/7	B95820.D
Level 6	STD200 460-361163/8	B95821.D
Level 7	STD500 460-361163/9	B95822.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Ave	+++++ 124838	546 304154	3451	12714	30971	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorodifluoromethane	FB	Ave	+++++ 994241	5305 2465182	25027	93416	241362	+++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	FB	Ave	+++++ 731577	3834 1833767	18786	68302	177710	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	+++++ 705533	4014 1694596	18407	64746	171238	+++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Ave	+++++ 583639	3147 1378343	15520	53037	140214	+++++ 200	1.00 500	5.00	20.0	50.0
Bromomethane	FB	Qua2	+++++ 441931	3404 943811	13282	46387	115706	+++++ 200	1.00 500	5.00	20.0	50.0
Chloroethane	FB	Ave	+++++ 358181	2217 809588	9687	36463	92220	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	+++++ 1343759	6599 3147290	33469	126706	327927	+++++ 200	1.00 500	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	+++++ 988096	4605 2373819	24343	91276	235871	+++++ 200	1.00 500	5.00	20.0	50.0
Pentane	FB	Ave	+++++ 184510	768 449155	3984	17847	44262	+++++ 400	2.00 1000	10.0	40.0	100
Ethyl ether	FB	Ave	+++++ 560012	3203 1372346	14130	53253	136935	+++++ 200	1.00 500	5.00	20.0	50.0
Ethanol	TBA	Lin2	+++++ 134760	885 348059	3660	10895	31630	+++++ 8000	40.0 20000	200	800	2000
2-Methyl-1,3-butadiene	FB	Ave	+++++ 622821	3448 1526765	13643	55313	144567	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 529658	2948 1305916	13492	50168	126360	+++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBA	Ave	+++++ 140481	2404 295466	12920	25899	67306	+++++ 200	4.00 400	20.0	40.0	100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111491-1 Analy Batch No.: 361163

SDG No.:

Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2016 00:39 Calibration End Date: 04/07/2016 03:27 Calibration ID: 55211

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 576701	3173 1415756	12679	55245	133122	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethene	FB	Ave	+++++ 662784	3755 1636827	16257	61143	158160	+++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Ave	+++++ 992363	5571 2550864	26454	92146	231657	+++++ 1000	5.00 2500	25.0	100	250
Iodomethane	FB	Ave	+++++ 1152296	6050 2884801	28339	109197	275950	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon disulfide	FB	Ave	+++++ 2379967	11536 5764701	52209	213278	558212	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl alcohol	TBA	Ave	+++++ 444287	2282 1146391	10124	36521	100323	+++++ 2000	10.0 5000	50.0	200	500
Allyl chloride	FB	Ave	+++++ 421442	2604 1021086	10027	37916	100365	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclopentene	FB	Ave	+++++ 1700782	8449 4178853	40943	157407	401280	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	FB	Ave	+++++ 2655386	12294 6307251	61625	248794	623742	+++++ 1000	5.00 2500	25.0	100	250
Acetonitrile	FB	Ave	+++++ 1037627	3799 2561018	24058	87932	235523	+++++ 2000	10.0 5000	50.0	200	500
Methylene Chloride	FB	Ave	+++++ 746349	4558 1868300	19182	71613	176741	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-2-propanol	TBA	Ave	+++++ 718069	4100 1871408	20196	70323	171308	+++++ 2000	10.0 5000	50.0	200	500
Methyl tert-butyl ether	FB	Ave	+++++ 1948071	9902 4835313	50522	186804	466063	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 688704	3711 1705534	16676	63859	164857	+++++ 200	1.00 500	5.00	20.0	50.0
Acrylonitrile	FB	Ave	2258 2645765	9990 6337463	59265	247231	633451	2.00 2000	10.0 5000	50.0	200	500
Hexane	FB	Ave	+++++ 312440	2016 766541	6062	29422	69066	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl ether	FB	Ave	+++++ 2195597	12478 5354197	59345	208007	536493	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethane	FB	Ave	+++++ 1266009	6763 3113566	32385	119626	305601	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	FB	Ave	+++++ 257110	1164 642283	6097	21168	56526	+++++ 400	2.00 1000	10.0	40.0	100
2-Chloro-1,3-butadiene	FB	Ave	+++++ 622853	2745 1582957	15610	54157	144391	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-butyl ethyl ether	FB	Ave	+++++ 2104121	11259 5238900	56705	199388	512665	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111491-1 Analy Batch No.: 361163

SDG No.:

Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2016 00:39 Calibration End Date: 04/07/2016 03:27 Calibration ID: 55211

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2,2-Dichloropropane	FB	Qua2	+++++ 508328	4745 1214412	14900	51422	123568	+++++ 200	1.00 500	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 725194	3895 1861366	17549	68205	173614	+++++ 200	1.00 500	5.00	20.0	50.0
2-Butanone	BUT	Ave	+++++ 417446	1492 1068083	10195	36480	90952	+++++ 1000	5.00 2500	25.0	100	250
Ethyl acetate	BUT	Lin2	+++++ 160316	1334 421196	4423	13994	32415	+++++ 400	2.00 1000	10.0	40.0	100
Methyl acrylate	FB	Ave	+++++ 635845	2933 1743034	12097	50302	138668	+++++ 200	1.00 500	5.00	20.0	50.0
Propionitrile	TBA	Ave	+++++ 1032762	5332 2676355	25033	90931	231043	+++++ 2000	10.0 5000	50.0	200	500
Tetrahydrofuran	BUT	Lin2	+++++ 190030	1442 494697	5279	18052	43939	+++++ 400	2.00 1000	10.0	40.0	100
Chlorobromomethane	FB	Ave	+++++ 338790	1638 876732	8165	32049	81735	+++++ 200	1.00 500	5.00	20.0	50.0
Methacrylonitrile	FB	Ave	+++++ 2955457	13346 6915785	72781	267844	694914	+++++ 2000	10.0 5000	50.0	200	500
Chloroform	FB	Ave	+++++ 1143633	6420 2865181	28309	104105	268878	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	+++++ 721954	4023 1804751	15194	67917	165470	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	+++++ 908400	5433 2278687	21119	81592	209628	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	+++++ 728236	3545 1848833	15556	62922	166027	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	+++++ 880449	4260 2224708	19931	75379	198120	+++++ 200	1.00 500	5.00	20.0	50.0
2,2,4-Trimethylpentane	FB	Ave	+++++ 1041364	5729 2715534	20544	96300	242204	+++++ 200	1.00 500	5.00	20.0	50.0
Benzene	CBZ	Ave	+++++ 2636212	13314 6379151	61943	234283	620832	+++++ 200	1.00 500	5.00	20.0	50.0
Isobutyl alcohol	TBA	Ave	+++++ 965967	2125 2619430	21281	80734	214568	+++++ 5000	25.0 12500	125	500	1250
Tert-amyl methyl ether	FB	Ave	+++++ 2381185	13391 5936530	62144	226350	570122	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl acetate	FB	Ave	+++++ 614681	3467 1571770	16124	56629	147351	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	+++++ 865601	5139 2213647	22441	81396	198996	+++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	Lin	+++++ 215199	1790 563559	4135	20193	47232	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111491-1 Analy Batch No.: 361163

SDG No.:

Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2016 00:39 Calibration End Date: 04/07/2016 03:27 Calibration ID: 55211

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Trichloroethene	FB	Ave	+++++ 646994	3511 1674189	14857	55567	148804	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butanol	TBA	Ave	+++++ 641537	2255 1770806	8538	45841	129650	+++++ 5000	25.0 12500	125	500	1250
Methylcyclohexane	FB	Ave	+++++ 604466	3732 1554708	12393	57233	136375	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acrylate	FB	Qua2	+++++ 905170	2424 2539373	13908	65858	189901	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	+++++ 713491	3411 1842406	15791	63183	163364	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl methacrylate	FB	Ave	+++++ 361982	1497 962976	7689	30973	78243	+++++ 400	2.00 1000	10.0	40.0	100
1,4-Dioxane	DXE	Ave	+++++ 145673	1774 398001	3071	13053	32488	+++++ 4000	50.0 10000	100	400	1000
Dibromomethane	FB	Ave	+++++ 429733	2240 1121314	9536	37345	95234	+++++ 200	1.00 500	5.00	20.0	50.0
n-Propyl acetate	FB	Ave	+++++ 1036135	5290 2720778	19243	83554	218830	+++++ 200	1.00 500	5.00	20.0	50.0
Bromodichloromethane	FB	Ave	+++++ 874941	4920 2321237	19565	74200	195158	+++++ 200	1.00 500	5.00	20.0	50.0
2-Nitropropane	FB	Ave	+++++ 364588	2276 963871	10119	32087	80202	+++++ 400	2.00 1000	10.0	40.0	100
2-Chloroethyl vinyl ether	FB	Ave	+++++ 484159	2163 1293177	10067	38174	104762	+++++ 200	1.00 500	5.00	20.0	50.0
Epichlorohydrin	BUT	Ave	1603 1529972	4592 3967012	29788	119956	332633	5.00 4000	20.0 10000	100	400	1000
cis-1,3-Dichloropropene	CBZ	Ave	+++++ 1145676	5039 2997016	24020	97674	252024	+++++ 200	1.00 500	5.00	20.0	50.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	+++++ 3709103	19647 8358866	84736	338743	841127	+++++ 1000	5.00 2500	25.0	100	250
Toluene	CBZ	Ave	+++++ 2568681	13714 6184118	57723	222934	585640	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	+++++ 1009034	4127 2671477	19657	83198	222409	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl methacrylate	CBZ	Ave	+++++ 939070	4596 2461763	20272	81183	209971	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 534730	2663 1412413	11855	44940	118517	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrachloroethene	CBZ	Ave	+++++ 481046	2506 1255662	10021	40520	105120	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBZ	Ave	+++++ 1046868	4564 2749901	23388	89068	233956	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111491-1 Analy Batch No.: 361163

SDG No.:

Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2016 00:39 Calibration End Date: 04/07/2016 03:27 Calibration ID: 55211

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Hexanone	BUT	Ave	+++++ 2458591	10632 5780151	52684	209730	537729	+++++ 1000	5.00 2500	25.0	100	250
Dibromochloromethane	CBZ	Ave	+++++ 618969	2710 1664947	12036	48414	128101	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acetate	CBZ	Ave	+++++ 188012	948 516679	4324	15762	41248	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylene Dibromide	CBZ	Ave	+++++ 609656	2602 1615315	12638	50718	130675	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorobenzene	CBZ	Ave	+++++ 1608304	7862 4055921	35726	132891	354427	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBZ	Ave	+++++ 827385	4662 2145331	18719	69442	181250	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 604085	3032 1579013	13491	49478	133802	+++++ 200	1.00 500	5.00	20.0	50.0
m-Xylene & p-Xylene	CBZ	Ave	+++++ 1006382	5062 2582356	22729	84285	218690	+++++ 200	1.00 500	5.00	20.0	50.0
o-Xylene	CBZ	Ave	+++++ 1054052	5523 2666049	23838	91088	237793	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBZ	Ave	+++++ 608237	2765 1613595	13483	49856	130079	+++++ 200	1.00 500	5.00	20.0	50.0
Styrene	CBZ	Ave	+++++ 1795242	8214 4325365	39509	146343	387817	+++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate (mixed isomers)	DCB	Ave	+++++ 1428889	7188 3582439	30460	120675	308474	+++++ 200	1.00 500	5.00	20.0	50.0
Bromoform	CBZ	Ave	+++++ 362709	1513 993350	6821	26590	70003	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropylbenzene	CBZ	Ave	+++++ 2223893	11409 5099210	48821	196179	507946	+++++ 200	1.00 500	5.00	20.0	50.0
Bromobenzene	DCB	Ave	+++++ 599533	2932 1610317	13499	51677	128571	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCB	Ave	+++++ 906510	4470 2354153	21488	77643	197225	+++++ 200	1.00 500	5.00	20.0	50.0
N-Propylbenzene	DCB	Ave	+++++ 2502928	11956 5477540	55719	222187	569560	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 227206	1171 611776	5221	20732	51010	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 236805	1128 642748	4902	18926	50801	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chlorotoluene	DCB	Ave	+++++ 1987205	9623 4727427	44493	172809	442959	+++++ 200	1.00 500	5.00	20.0	50.0
4-Ethyltoluene	DCB	Ave	+++++ 2118378	10536 4976428	49264	180542	471621	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111491-1 Analy Batch No.: 361163

SDG No.:

Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2016 00:39 Calibration End Date: 04/07/2016 03:27 Calibration ID: 55211

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 1848139	8714 4282732	39538	153740	414959	+++++ 200	1.00 500	5.00	20.0	50.0
4-Chlorotoluene	DCB	Ave	+++++ 1810626	9462 4316979	40588	158949	401424	+++++ 200	1.00 500	5.00	20.0	50.0
Butyl Methacrylate	DCB	Ave	+++++ 992881	4783 2595187	22577	87069	216822	+++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCB	Ave	+++++ 1339018	6334 3386011	28070	111637	294706	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 1942536	10343 4459299	43216	169193	435730	+++++ 200	1.00 500	5.00	20.0	50.0
sec-Butylbenzene	DCB	Ave	+++++ 1877296	9559 4465212	39213	163272	426646	+++++ 200	1.00 500	5.00	20.0	50.0
4-Isopropyltoluene	DCB	Ave	+++++ 1615414	8152 3939886	33859	132615	353944	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichlorobenzene	DCB	Ave	+++++ 979829	5228 2580897	22774	81651	217214	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCB	Ave	+++++ 1021975	6019 2643757	24034	90001	218233	+++++ 200	1.00 500	5.00	20.0	50.0
Benzyl chloride	DCB	Ave	+++++ 1784342	7271 4255118	36228	141598	382284	+++++ 200	1.00 500	5.00	20.0	50.0
Indan	DCB	Ave	+++++ 2152618	10593 4860081	52391	186691	490755	+++++ 200	1.00 500	5.00	20.0	50.0
p-Diethylbenzene	DCB	Ave	+++++ 883918	4337 2300689	20366	74982	195537	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCB	Ave	+++++ 1685412	9753 4252042	36730	149406	383997	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 1033958	5673 2701910	23406	88245	227871	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4,5-Tetramethylbenzene	DCB	Ave	+++++ 1587421	7824 3875378	35787	136593	353373	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 160132	725 426536	3906	13176	35843	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trichlorobenzene	DCB	Ave	+++++ 544982	2858 1469749	13379	46947	123126	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 531272	2512 1419969	12010	48000	120528	+++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCB	Ave	+++++ 205608	1357 567037	4399	17479	45099	+++++ 200	1.00 500	5.00	20.0	50.0
Naphthalene	DCB	Ave	+++++ 2012744	10622 4695662	44474	182012	463765	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 489232	2684 1281530	11023	42005	111324	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-111491-1 Analy Batch No.: 361163

SDG No.:

Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2016 00:39 Calibration End Date: 04/07/2016 03:27 Calibration ID: 55211

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dibromofluoromethane (Surr)	FB	Ave	128676 129465	118746 136021	116750	118792	121556	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	146086 151144	139188 167650	143673	144271	146096	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	456963 482465	433398 516625	431567	432561	451901	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Bromofluorobenzene	CBZ	Ave	119299 124611	109178 137445	107019	109047	110578	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua2 = Quadratic 1/conc^2 ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95815.D
Lims ID: STD8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 07-Apr-2016 00:39:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD8
Misc. Info.: 460-0039559-002
Operator ID: Instrument ID: CVOAMS2
Sublist: chrom-8260W_2*sub58

Method: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Apr-2016 15:53:07 Calib Date: 07-Apr-2016 03:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: boykink Date: 07-Apr-2016 01:46:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	2.583	2.583	0.000	86	262691	1000.0	1000.0	
31 Acrylonitrile	53	2.863	2.813	0.050	78	2258	2.00	1.82	M
* 158 2-Butanone-d5	46	3.661	3.661	0.000	97	288920	250.0	250.0	
$ 51 Dibromofluoromethane (Surr	113	4.188	4.188	0.000	95	128676	50.0	50.2	
$ 57 1,2-Dichloroethane-d4 (Sur	65	4.550	4.558	-0.008	97	146086	50.0	47.8	
* 62 Fluorobenzene	96	4.862	4.863	0.000	98	582109	50.0	50.0	
* 69 1,4-Dioxane-d8	96	5.702	5.694	0.008	91	23410	1000.0	1000.0	
77 Epichlorohydrin	57	6.558	6.525	0.033	19	1603	5.00	5.63	
$ 80 Toluene-d8 (Surr)	98	6.837	6.838	-0.001	100	456963	50.0	50.1	
* 91 Chlorobenzene-d5	117	8.475	8.475	0.000	87	393813	50.0	50.0	
$ 102 4-Bromofluorobenzene	174	9.594	9.595	-0.001	85	119299	50.0	51.4	
* 119 1,4-Dichlorobenzene-d4	152	10.557	10.557	0.000	97	190634	50.0	50.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

8260SURR250_00116	Amount Added:	1.00	Units: uL	
ACROLEIN W_00049	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00020	Amount Added:	2.00	Units: uL	
MIX 2 Hi_00042	Amount Added:	0.00	Units: uL	
MIX I Hi_00054	Amount Added:	0.00	Units: uL	
14DIOXINTER_00055	Amount Added:	0.00	Units: uL	
GAS Hi_00142	Amount Added:	0.00	Units: uL	
8260ISNEW_00059	Amount Added:	1.00	Units: uL	Run Reagent

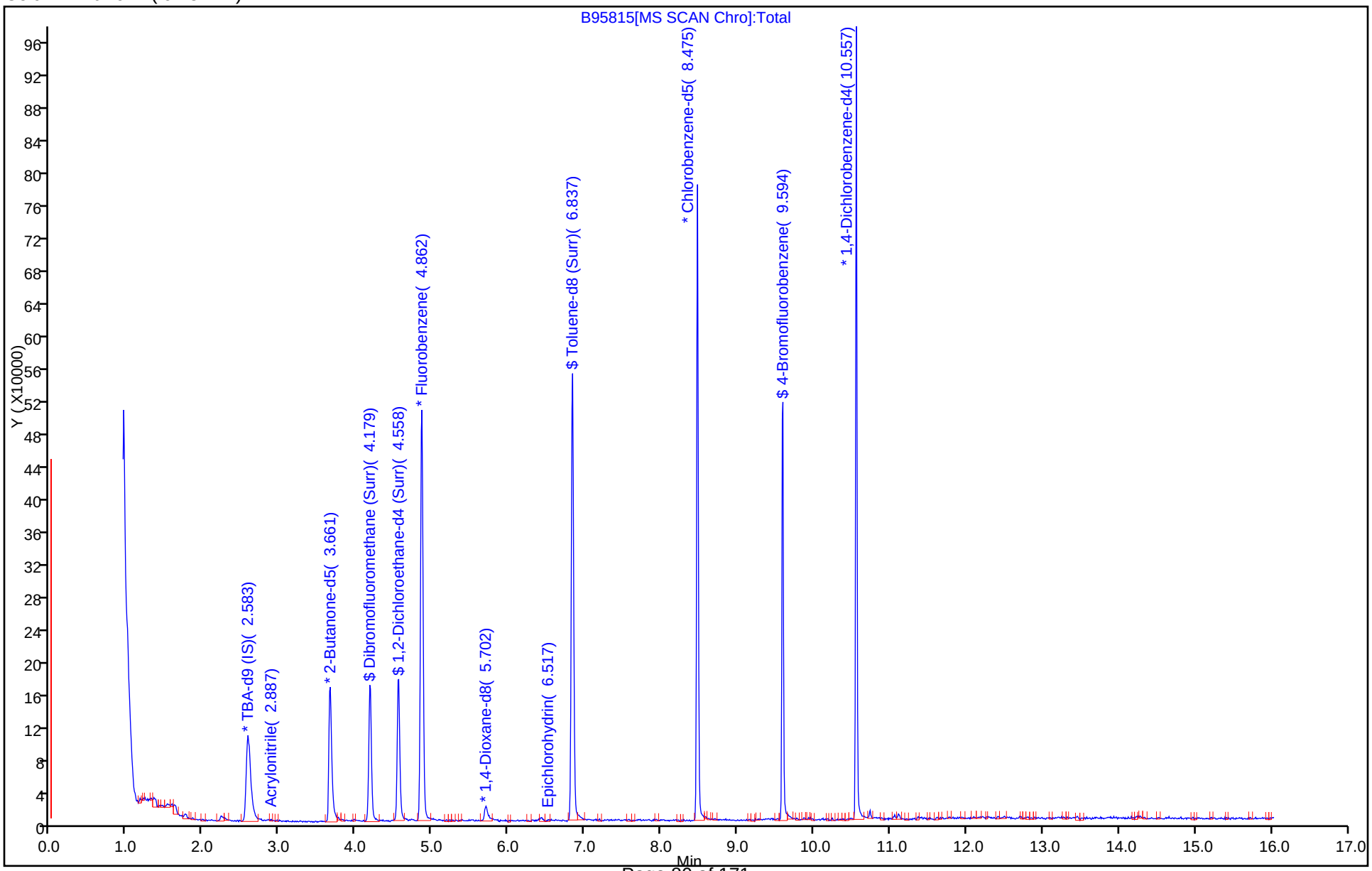
Report Date: 07-Apr-2016 15:53:14 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95815.D

Injection Date:	07-Apr-2016 00:39:30	Instrument ID:	CVOAMS2	Operator ID:	
Lims ID:	STD8			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

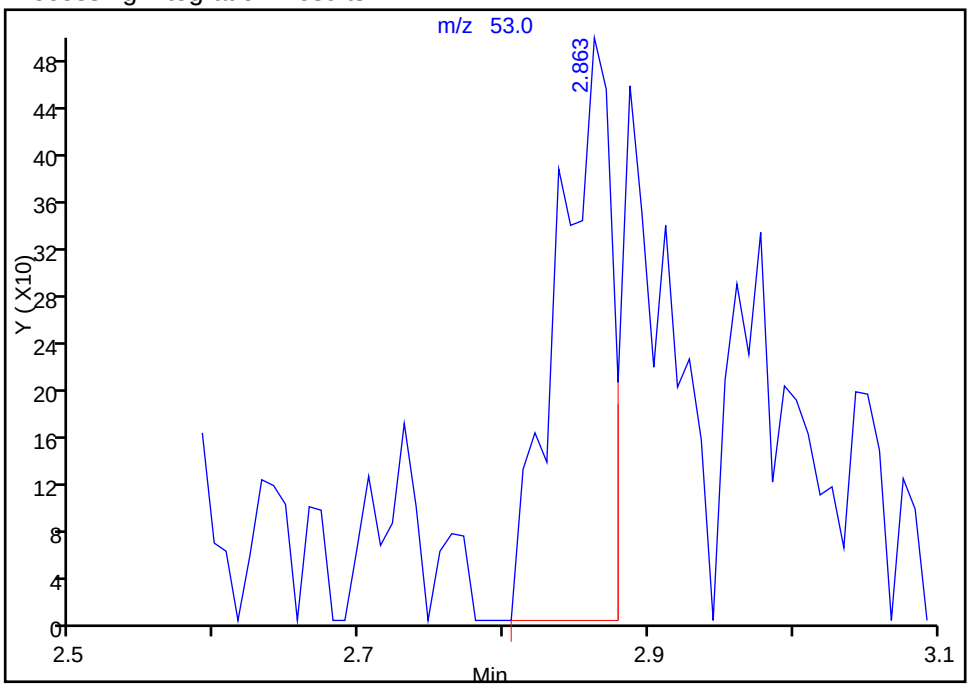
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95815.D
Injection Date: 07-Apr-2016 00:39:30 Instrument ID: CVOAMS2
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

31 Acrylonitrile, CAS: 107-13-1

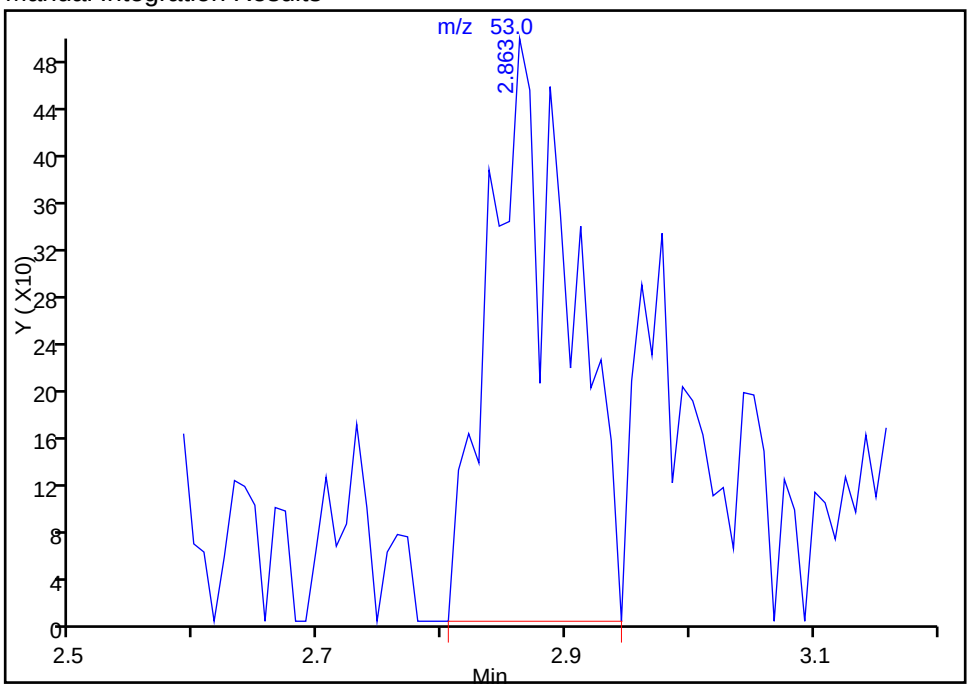
Processing Integration Results

RT: 2.86
Area: 1304
Amount: 0.928331
Amount Units: ug/l



Manual Integration Results

RT: 2.86
Area: 2258
Amount: 1.822662
Amount Units: ug/l



Reviewer: delpolitov, 07-Apr-2016 14:52:37
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95817.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-Apr-2016 01:27:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0039559-004
Operator ID: Instrument ID: CVOAMS2
Sublist: chrom-8260W_2*sub58

Method: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Apr-2016 15:52:19 Calib Date: 07-Apr-2016 03:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: boykink Date: 07-Apr-2016 01:57:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.077	1.060	0.017	3	546	1.00	0.9227	
2 Dichlorodifluoromethane	85	1.101	1.085	0.016	67	5305	1.00	1.12	
3 Chloromethane	50	1.192	1.192	0.000	93	3834	1.00	1.10	
4 Vinyl chloride	62	1.282	1.274	0.008	95	4014	1.00	1.19	
5 Butadiene	54	1.291	1.274	0.017	89	3147	1.00	1.14	
6 Bromomethane	94	1.513	1.505	0.008	94	3404	1.00	0.99	
7 Chloroethane	64	1.579	1.562	0.017	92	2217	1.00	1.24	
9 Dichlorofluoromethane	67	1.751	1.735	0.016	86	6599	1.00	1.06	
10 Trichlorofluoromethane	101	1.751	1.743	0.008	56	4605	1.00	1.02	
8 Pentane	72	1.760	1.752	0.008	92	768	2.00	1.88	
11 Ethyl ether	59	1.949	1.941	0.008	89	3203	1.00	1.19	
12 Ethanol	46	1.998	1.941	0.057	42	885	40.0	39.4	
13 2-Methyl-1,3-butadiene	53	1.957	1.949	0.008	93	3448	1.00	1.21	
14 1,2-Dichloro-1,1,2-trifluo	117	2.015	2.007	0.008	70	2948	1.00	1.16	
16 1,1,2-Trichloro-1,2,2-trif	101	2.114	2.097	0.017	51	3173	1.00	1.19	
15 Acrolein	56	2.114	2.097	0.017	53	2404	4.00	4.25	
17 1,1-Dichloroethene	96	2.130	2.122	0.008	97	3755	1.00	1.19	
18 Acetone	43	2.237	2.213	0.024	77	5571	5.00	6.46	M
19 Iodomethane	142	2.262	2.254	0.008	96	6050	1.00	1.11	
20 Carbon disulfide	76	2.286	2.278	0.008	99	11536	1.00	1.08	
21 Isopropyl alcohol	45	2.360	2.336	0.024	30	2282	10.0	12.7	
22 3-Chloro-1-propene	76	2.435	2.418	0.017	47	2604	1.00	1.29	
23 Cyclopentene	67	2.443	2.427	0.016	81	8449	1.00	1.08	
24 Methyl acetate	43	2.459	2.443	0.016	93	12294	5.00	5.13	
25 Acetonitrile	41	2.542	2.501	0.041	33	3799	10.0	8.57	
26 Methylene Chloride	84	2.558	2.550	0.008	94	4558	1.00	1.25	
* 27 TBA-d9 (IS)	65	2.591	2.583	0.008	86	271898	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.649	2.657	-0.009	33	4100	10.0	12.8	
29 Methyl tert-butyl ether	73	2.706	2.715	-0.009	94	9902	1.00	1.07	
30 trans-1,2-Dichloroethene	96	2.747	2.731	0.016	93	3711	1.00	1.15	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	2.830	2.813	0.017	93	9990	10.0	8.79	
32 Hexane	43	2.887	2.887	0.000	73	2016	1.00	1.38	M
34 Isopropyl ether	45	3.126	3.118	0.008	92	12478	1.00	1.17	
33 1,1-Dichloroethane	63	3.142	3.134	0.008	97	6763	1.00	1.12	
35 2-Chloro-1,3-butadiene	88	3.200	3.175	0.025	33	2745	1.00	0.9763	
36 Vinyl acetate	86	3.200	3.175	0.025	99	1164	2.00	2.06	
38 Tert-butyl ethyl ether	59	3.463	3.455	0.008	89	11259	1.00	1.11	
39 2,2-Dichloropropane	41	3.661	3.653	0.008	46	4745	1.00	1.00	
* 158 2-Butanone-d5	46	3.661	3.661	0.000	97	281894	250.0	250.0	
40 cis-1,2-Dichloroethene	96	3.702	3.694	0.008	27	3895	1.00	1.13	
41 2-Butanone (MEK)	72	3.727	3.727	0.000	60	1492	5.00	4.64	
42 Ethyl acetate	70	3.760	3.743	0.017	39	1334	2.00	1.97	
43 Methyl acrylate	55	3.817	3.793	0.024	28	2933	1.00	1.07	
44 Propionitrile	54	3.883	3.858	0.025	65	5332	10.0	12.5	
46 Tetrahydrofuran	72	3.941	3.924	0.017	56	1442	2.00	1.97	
45 Chlorobromomethane	128	3.941	3.933	0.008	86	1638	1.00	1.04	
47 Methacrylonitrile	67	3.973	3.965	0.008	93	13346	10.0	10.0	
48 Chloroform	83	4.015	4.007	0.008	98	6420	1.00	1.18	
49 Cyclohexane	84	4.122	4.114	0.008	85	4023	1.00	1.21	
50 1,1,1-Trichloroethane	97	4.130	4.130	0.000	81	5433	1.00	1.26	M
$ 51 Dibromofluoromethane (Surr	113	4.187	4.188	-0.001	95	118746	50.0	50.5	
52 Carbon tetrachloride	117	4.278	4.262	0.016	83	3545	1.00	1.09	
53 1,1-Dichloropropene	75	4.311	4.303	0.008	92	4260	1.00	1.08	
54 Isooctane	57	4.500	4.500	0.000	74	5729	1.00	1.20	
55 Benzene	78	4.525	4.517	0.008	91	13314	1.00	1.12	
56 Isobutyl alcohol	43	4.566	4.550	0.016	28	2125	25.0	15.4	
$ 57 1,2-Dichloroethane-d4 (Sur	65	4.558	4.558	0.000	96	139188	50.0	49.6	
58 Tert-amyl methyl ether	73	4.624	4.632	-0.008	90	13391	1.00	1.16	
59 Isopropyl acetate	87	4.632	4.640	-0.008	33	3467	1.00	1.17	M
60 1,2-Dichloroethane	62	4.648	4.640	0.008	76	5139	1.00	1.22	
61 n-Heptane	57	4.739	4.739	0.000	1	1790	1.00	1.50	
* 62 Fluorobenzene	96	4.862	4.863	0.000	98	533968	50.0	50.0	
64 Trichloroethene	95	5.282	5.274	0.008	93	3511	1.00	1.18	
65 n-Butanol	56	5.405	5.348	0.057	47	2255	25.0	25.9	
66 Methylcyclohexane	83	5.405	5.397	0.008	93	3732	1.00	1.31	
67 Ethyl acrylate	55	5.504	5.480	0.024	61	2424	1.00	1.02	
68 1,2-Dichloropropane	63	5.611	5.603	0.008	85	3411	1.00	1.06	
* 69 1,4-Dioxane-d8	96	5.710	5.694	0.016	93	25628	1000.0	1000.0	
72 Methyl methacrylate	100	5.768	5.760	0.008	89	1497	2.00	1.92	
71 1,4-Dioxane	88	5.759	5.760	-0.001	19	1774	50.0	61.0	
70 Dibromomethane	93	5.784	5.768	0.016	43	2240	1.00	1.15	
73 n-Propyl acetate	43	5.850	5.842	0.008	65	5290	1.00	1.18	
74 Dichlorobromomethane	83	5.982	5.974	0.008	96	4920	1.00	1.22	
75 2-Nitropropane	41	6.393	6.377	0.016	71	2276	2.00	2.54	
76 2-Chloroethyl vinyl ether	63	6.426	6.418	0.008	72	2163	1.00	1.04	
77 Epichlorohydrin	57	6.541	6.525	0.016	61	4592	20.0	16.5	
78 cis-1,3-Dichloropropene	75	6.599	6.574	0.025	90	5039	1.00	1.03	
79 4-Methyl-2-pentanone (MIBK	43	6.805	6.796	0.008	95	19647	5.00	6.51	
$ 80 Toluene-d8 (Surr)	98	6.837	6.838	-0.001	100	433398	50.0	50.6	
81 Toluene	91	6.928	6.920	0.008	94	13714	1.00	1.20	
82 trans-1,3-Dichloropropene	75	7.348	7.340	0.008	94	4127	1.00	0.9840	
83 Ethyl methacrylate	69	7.405	7.389	0.016	86	4596	1.00	1.11	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Tetrachloroethene	166	7.537	7.537	0.000	86	2506	1.00	1.19	
84 1,1,2-Trichloroethane	83	7.537	7.537	0.000	90	2663	1.00	1.13	
86 1,3-Dichloropropane	76	7.718	7.718	0.000	97	4564	1.00	1.01	
87 2-Hexanone	43	7.817	7.801	0.017	95	10632	5.00	5.65	
88 Chlorodibromomethane	129	7.924	7.916	0.008	84	2710	1.00	1.06	
89 n-Butyl acetate	73	7.924	7.924	0.000	92	948	1.00	1.13	
90 Ethylene Dibromide	107	8.031	8.031	0.000	91	2602	1.00	1.01	
* 91 Chlorobenzene-d5	117	8.475	8.475	0.000	87	369730	50.0	50.0	
92 Chlorobenzene	112	8.508	8.508	0.000	96	7862	1.00	1.12	
93 Ethylbenzene	106	8.590	8.591	-0.001	99	4662	1.00	1.25	
94 1,1,1,2-Tetrachloroethane	131	8.607	8.607	0.000	90	3032	1.00	1.14	
95 m-Xylene & p-Xylene	106	8.714	8.714	0.000	98	5062	1.00	1.14	
96 o-Xylene	106	9.084	9.084	0.000	93	5523	1.00	1.17	
97 n-Butyl acrylate	73	9.101	9.101	0.000	98	2765	1.00	1.06	
98 Styrene	104	9.117	9.117	0.000	95	8214	1.00	1.08	
100 Amyl acetate (mixed isomer	43	9.306	9.307	-0.001	89	7188	1.00	1.15	
99 Bromoform	173	9.306	9.307	-0.001	53	1513	1.00	1.04	
101 Isopropylbenzene	105	9.413	9.414	-0.001	96	11409	1.00	1.17	
$ 102 4-Bromofluorobenzene	174	9.594	9.595	-0.001	84	109178	50.0	50.1	
104 Bromobenzene	156	9.710	9.710	0.000	93	2932	1.00	1.10	
105 1,1,2,2-Tetrachloroethane	83	9.767	9.767	0.000	61	4470	1.00	1.10	
106 N-Propylbenzene	91	9.775	9.776	-0.001	97	11956	1.00	1.10	
107 1,2,3-Trichloropropane	110	9.800	9.800	0.000	93	1171	1.00	1.12	
108 trans-1,4-Dichloro-2-buten	53	9.825	9.825	0.000	61	1128	1.00	1.10	
109 2-Chlorotoluene	91	9.866	9.866	0.000	96	9623	1.00	1.10	
110 4-Ethyltoluene	105	9.874	9.874	0.000	96	10536	1.00	1.13	
111 1,3,5-Trimethylbenzene	105	9.932	9.932	0.000	92	8714	1.00	1.10	
112 4-Chlorotoluene	91	9.973	9.965	0.008	97	9462	1.00	1.17	
113 Butyl Methacrylate	87	10.031	10.031	0.000	87	4783	1.00	1.08	
114 tert-Butylbenzene	119	10.187	10.187	0.000	91	6334	1.00	1.09	
115 1,2,4-Trimethylbenzene	105	10.245	10.245	0.000	97	10343	1.00	1.20	
116 sec-Butylbenzene	105	10.368	10.368	0.000	97	9559	1.00	1.16	
118 4-Isopropyltoluene	119	10.491	10.492	-0.001	97	8152	1.00	1.16	
117 1,3-Dichlorobenzene	146	10.500	10.500	0.000	90	5228	1.00	1.18	
* 119 1,4-Dichlorobenzene-d4	152	10.557	10.557	0.000	98	173347	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.574	10.582	-0.008	83	6019	1.00	1.27	
121 Benzyl chloride	91	10.705	10.697	0.008	98	7271	1.00	0.99	
122 2,3-Dihydroindene	117	10.755	10.755	0.000	97	10593	1.00	1.11	
123 p-Diethylbenzene	119	10.796	10.796	0.000	90	4337	1.00	1.10	
124 n-Butylbenzene	91	10.821	10.821	0.000	96	9753	1.00	1.26	
125 1,2-Dichlorobenzene	146	10.878	10.878	0.000	91	5673	1.00	1.21	
126 1,2,4,5-Tetramethylbenzene	119	11.413	11.413	0.000	95	7824	1.00	1.12	
127 1,2-Dibromo-3-Chloropropan	75	11.512	11.512	0.000	84	725	1.00	1.02	
128 1,3,5-Trichlorobenzene	180	11.619	11.619	0.000	95	2858	1.00	1.14	
130 1,2,4-Trichlorobenzene	180	12.104	12.105	-0.001	91	2512	1.00	1.05	
131 Hexachlorobutadiene	225	12.187	12.187	0.000	87	1357	1.00	1.40	
132 Naphthalene	128	12.302	12.302	0.000	99	10622	1.00	1.18	
133 1,2,3-Trichlorobenzene	180	12.508	12.500	0.008	90	2684	1.00	1.20	
S 134 1,2-Dichloroethene, Total	100				0		2.00	2.28	
S 135 Xylenes, Total	100				0		2.00	2.32	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260SURR250_00116	Amount Added:	1.00	Units: uL	
GAS Hi_00142	Amount Added:	1.00	Units: uL	
MIX I Hi_00054	Amount Added:	1.00	Units: uL	
MIX 2 Hi_00042	Amount Added:	1.00	Units: uL	
14DIOXINTER_00055	Amount Added:	30.00	Units: uL	
ACROLEIN W_00049	Amount Added:	4.00	Units: uL	
8260ISNEW_00059	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 07-Apr-2016 15:52:23 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95817.D

Injection Date: 07-Apr-2016 01:27:30 Instrument ID: CVOAMS2 Operator ID:

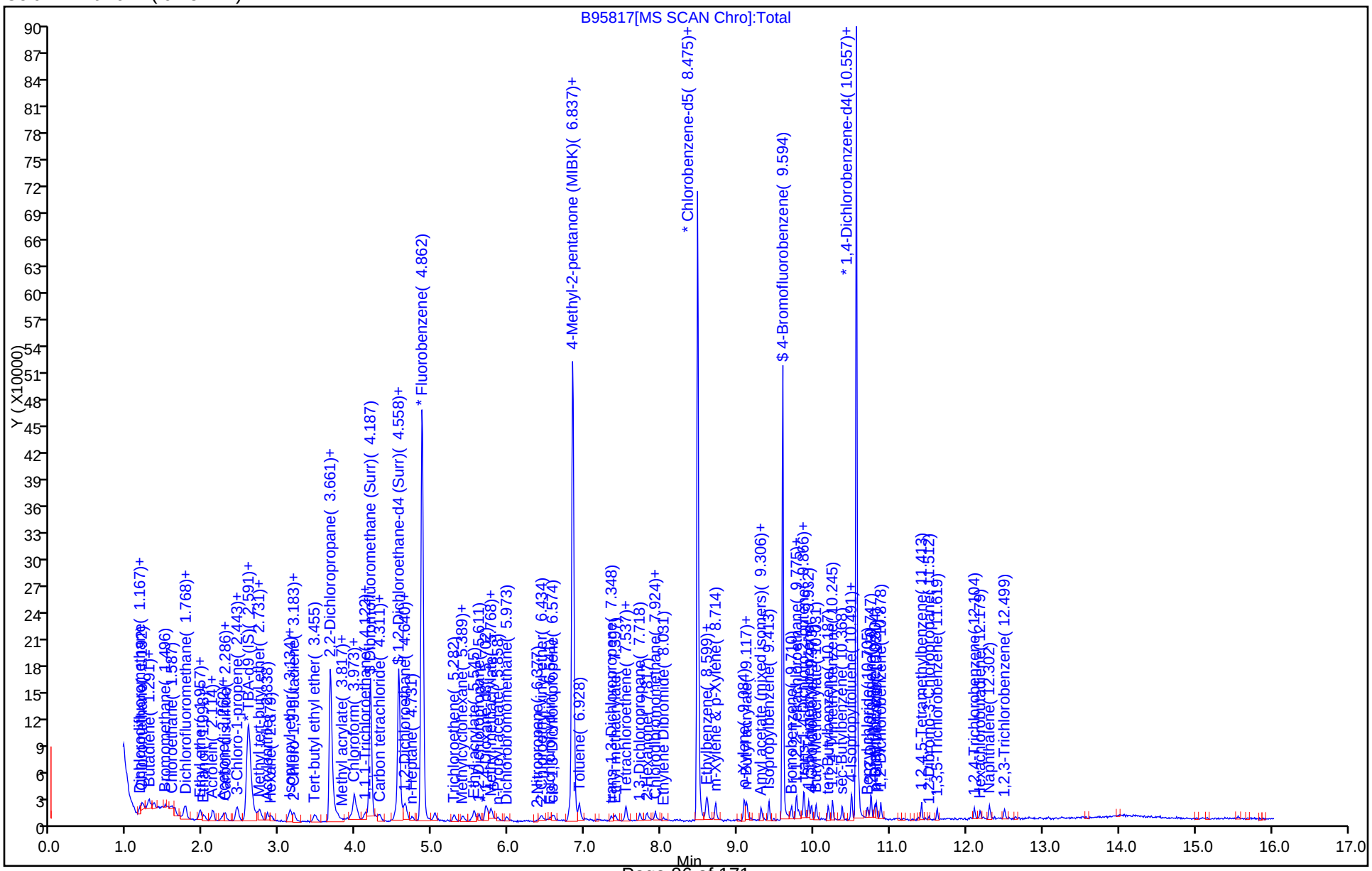
Lims ID: STD1 Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

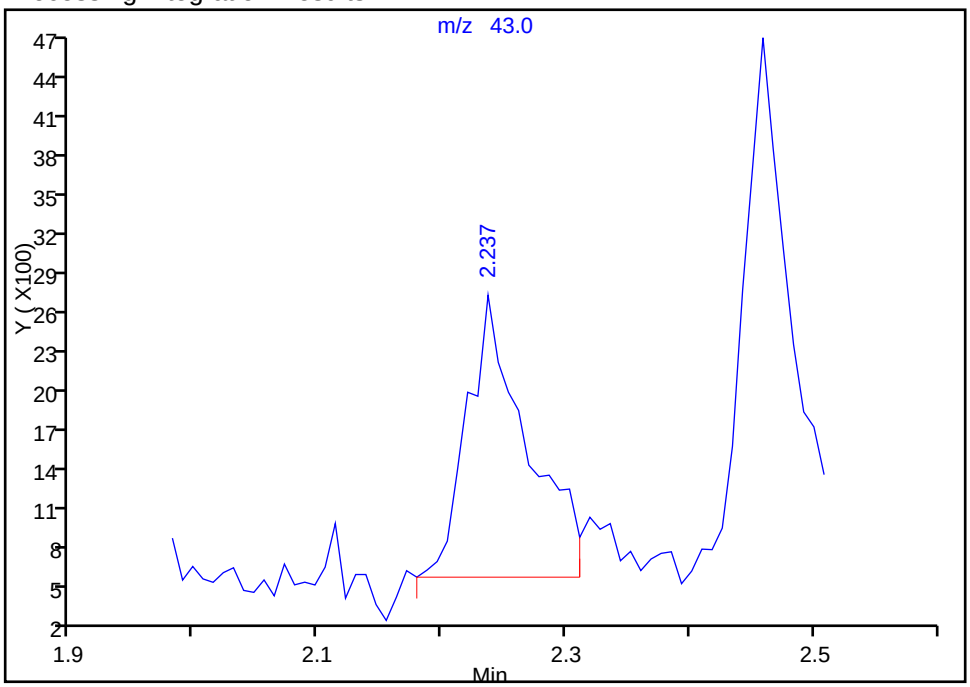
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95817.D
Injection Date: 07-Apr-2016 01:27:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 Acetone, CAS: 67-64-1

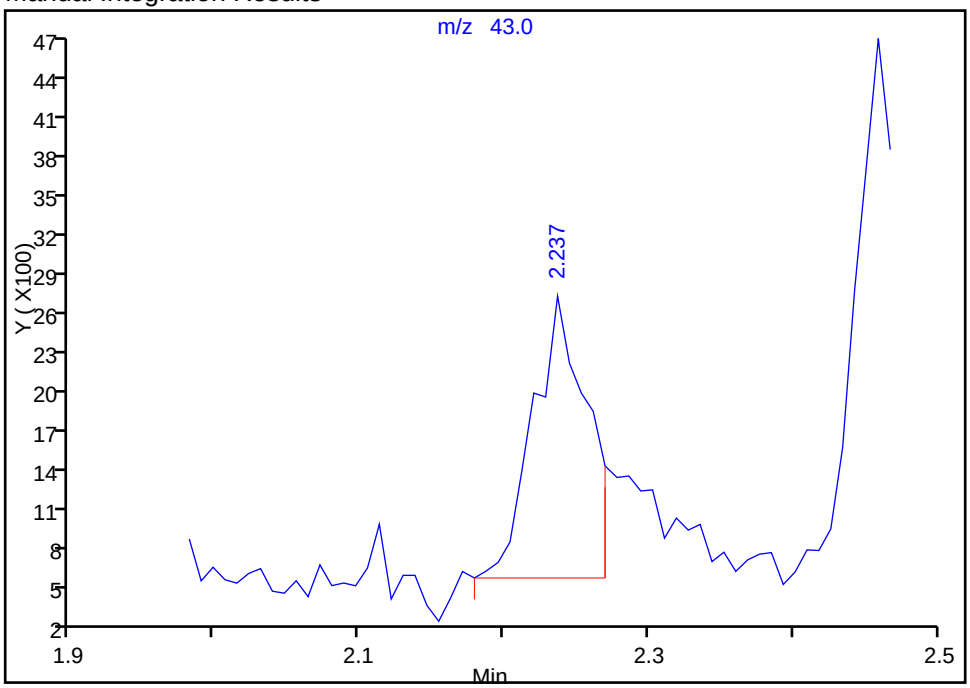
Processing Integration Results

RT: 2.24
Area: 7129
Amount: 9.143585
Amount Units: ug/l



Manual Integration Results

RT: 2.24
Area: 5571
Amount: 6.458795
Amount Units: ug/l



Reviewer: delpolitov, 07-Apr-2016 15:13:20
Audit Action: Split an Integrated Peak
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

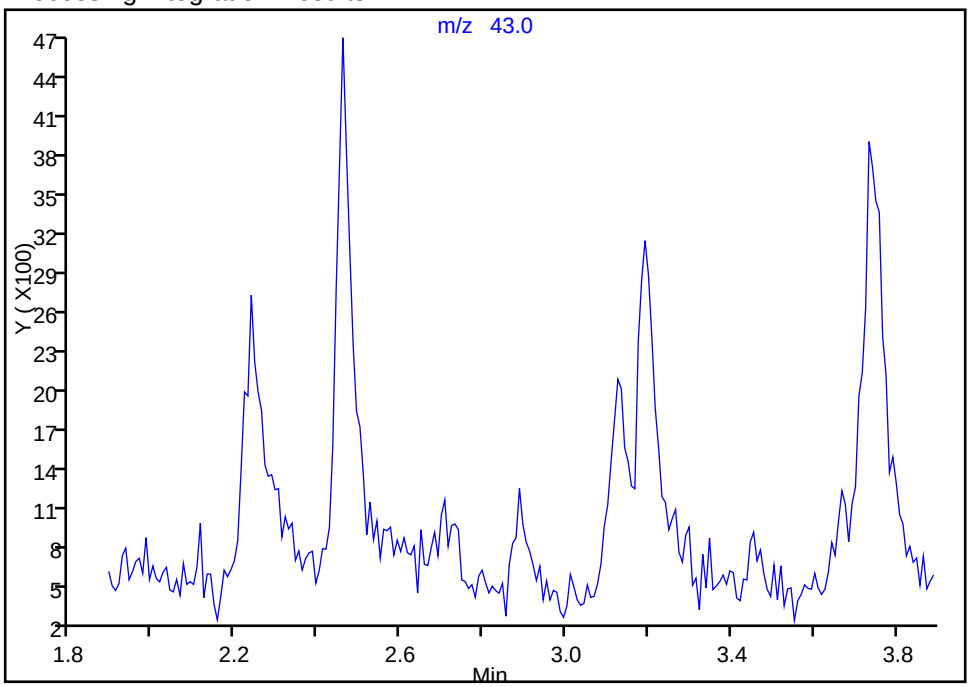
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95817.D
Injection Date: 07-Apr-2016 01:27:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 Hexane, CAS: 110-54-3

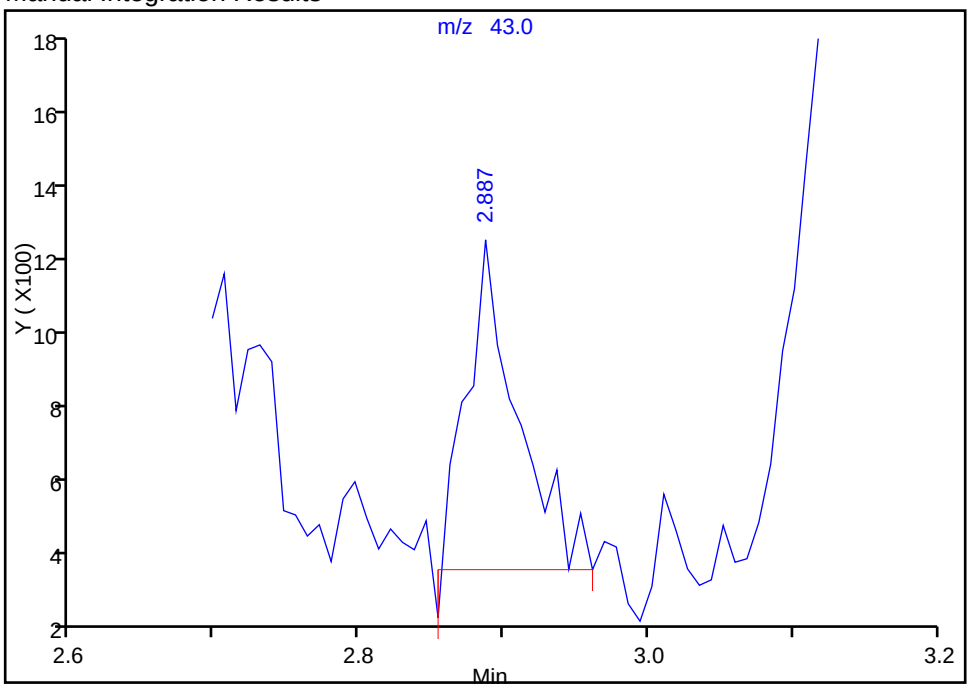
Not Detected
Expected RT: 2.89

Processing Integration Results



Manual Integration Results

RT: 2.89
Area: 2016
Amount: 1.381900
Amount Units: ug/l



Reviewer: delpolitov, 07-Apr-2016 15:32:56
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

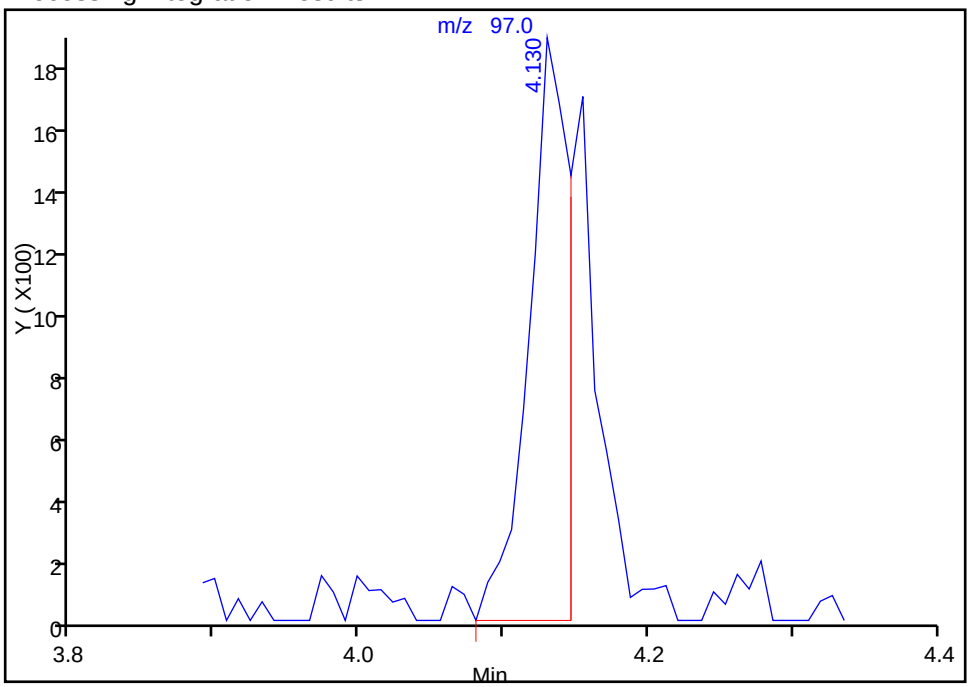
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95817.D
Injection Date: 07-Apr-2016 01:27:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

50 1,1,1-Trichloroethane, CAS: 71-55-6

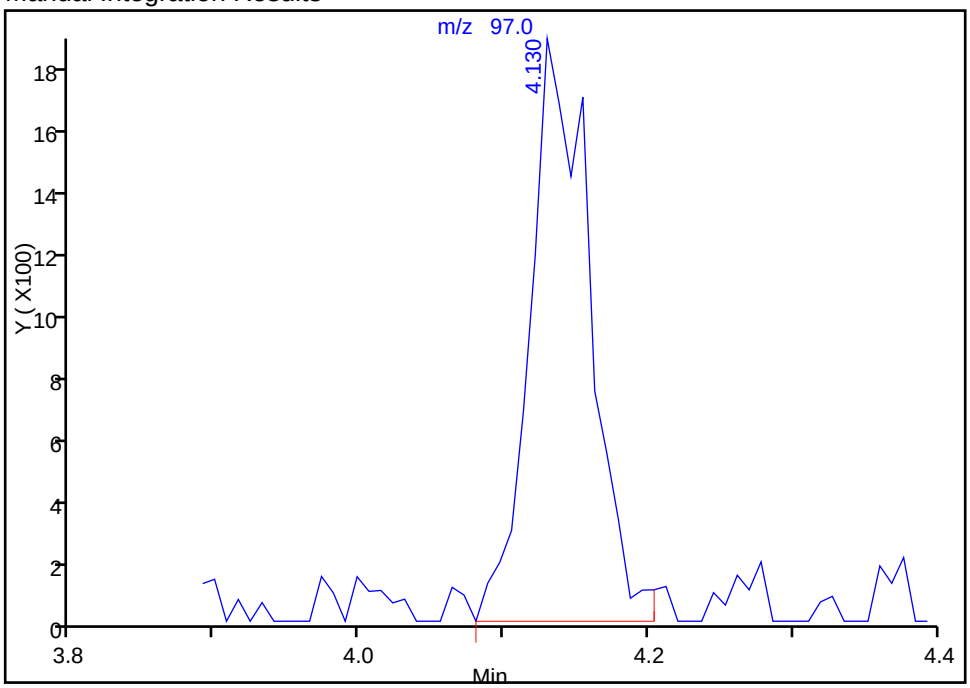
Processing Integration Results

RT: 4.13
Area: 3671
Amount: 0.854340
Amount Units: ug/l



Manual Integration Results

RT: 4.13
Area: 5433
Amount: 1.264983
Amount Units: ug/l



Reviewer: delpolitov, 07-Apr-2016 15:03:56
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

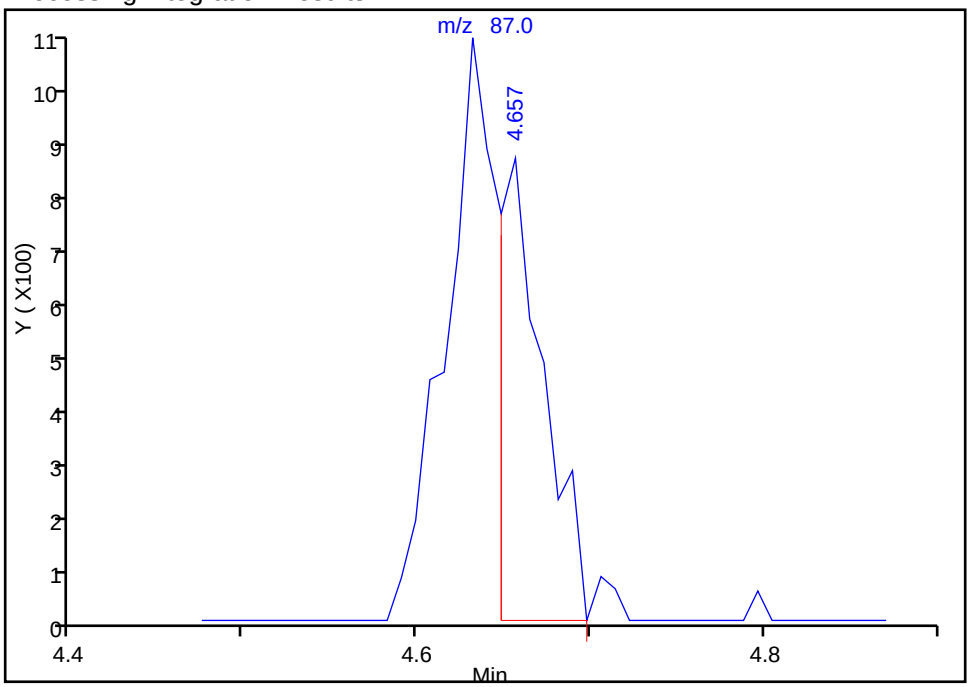
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95817.D
Injection Date: 07-Apr-2016 01:27:30 Instrument ID: CVOAMS2
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

59 Isopropyl acetate, CAS: 108-21-4

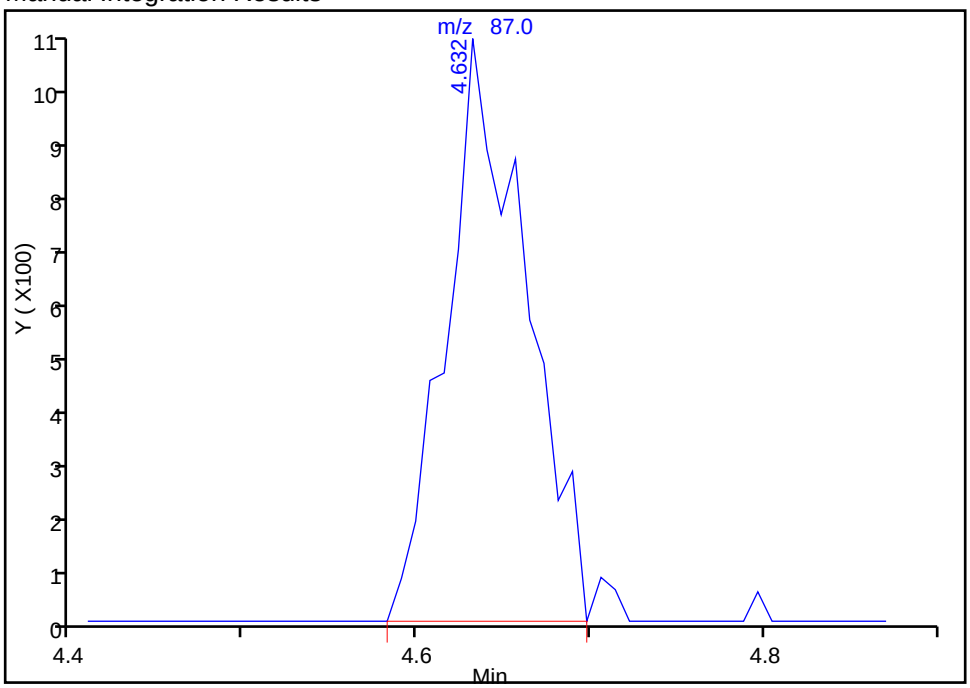
Processing Integration Results

RT: 4.66
Area: 1568
Amount: 0.578402
Amount Units: ug/l



Manual Integration Results

RT: 4.63
Area: 3467
Amount: 1.167474
Amount Units: ug/l



Reviewer: delpolitov, 07-Apr-2016 15:03:56
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95818.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-Apr-2016 01:51:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0039559-005
Operator ID: Instrument ID: CVOAMS2
Sublist: chrom-8260W_2*sub58

Method: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Apr-2016 15:52:32 Calib Date: 07-Apr-2016 03:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: boykink Date: 07-Apr-2016 02:14:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.077	1.060	0.017	87	3451	5.00	5.75	
2 Dichlorodifluoromethane	85	1.102	1.085	0.017	97	25027	5.00	5.23	
3 Chloromethane	50	1.200	1.192	0.008	99	18786	5.00	5.33	
4 Vinyl chloride	62	1.283	1.274	0.009	97	18407	5.00	5.36	
5 Butadiene	54	1.283	1.274	0.009	92	15520	5.00	5.53	
6 Bromomethane	94	1.505	1.505	0.000	95	13282	5.00	5.18	
7 Chloroethane	64	1.579	1.562	0.017	98	9687	5.00	5.33	
9 Dichlorofluoromethane	67	1.743	1.735	0.008	99	33469	5.00	5.29	
10 Trichlorofluoromethane	101	1.752	1.743	0.009	60	24343	5.00	5.31	
8 Pentane	72	1.776	1.752	0.024	96	3984	10.0	9.60	
11 Ethyl ether	59	1.949	1.941	0.008	79	14130	5.00	5.16	
12 Ethanol	46	1.957	1.941	0.016	57	3660	200.0	223.0	
13 2-Methyl-1,3-butadiene	53	1.957	1.949	0.008	94	13643	5.00	4.70	
14 1,2-Dichloro-1,1,2-trifluo	117	2.015	2.007	0.008	94	13492	5.00	5.25	
16 1,1,2-Trichloro-1,2,2-trif	101	2.106	2.097	0.009	72	12679	5.00	4.67	
15 Acrolein	56	2.114	2.097	0.017	56	12920	20.0	20.3	
17 1,1-Dichloroethene	96	2.122	2.122	0.000	98	16257	5.00	5.09	
18 Acetone	43	2.229	2.213	0.016	88	26454	25.0	27.7	
19 Iodomethane	142	2.262	2.254	0.008	97	28339	5.00	5.14	
20 Carbon disulfide	76	2.287	2.278	0.009	99	52209	5.00	4.82	
21 Isopropyl alcohol	45	2.352	2.336	0.016	96	10124	50.0	50.1	
22 3-Chloro-1-propene	76	2.426	2.418	0.008	47	10027	5.00	4.91	
23 Cyclopentene	67	2.435	2.427	0.008	96	40943	5.00	5.15	
24 Methyl acetate	43	2.451	2.443	0.008	100	61625	25.0	25.4	
25 Acetonitrile	41	2.517	2.501	0.016	99	24058	50.0	53.5	
26 Methylene Chloride	84	2.558	2.550	0.008	93	19182	5.00	5.17	
* 27 TBA-d9 (IS)	65	2.591	2.583	0.008	85	305758	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.657	2.657	0.000	91	20196	50.0	56.2	
29 Methyl tert-butyl ether	73	2.715	2.715	0.000	96	50522	5.00	5.40	
30 trans-1,2-Dichloroethene	96	2.739	2.731	0.008	96	16676	5.00	5.07	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	2.822	2.813	0.009	96	59265	50.0	51.4	
32 Hexane	43	2.887	2.887	0.000	93	6062	5.00	4.10	
34 Isopropyl ether	45	3.134	3.118	0.016	97	59345	5.00	5.47	
33 1,1-Dichloroethane	63	3.142	3.134	0.008	97	32385	5.00	5.30	
35 2-Chloro-1,3-butadiene	88	3.184	3.175	0.009	70	15610	5.00	5.47	
36 Vinyl acetate	86	3.184	3.175	0.009	99	6097	10.0	10.6	
38 Tert-butyl ethyl ether	59	3.463	3.455	0.008	89	56705	5.00	5.51	
39 2,2-Dichloropropane	41	3.661	3.653	0.008	49	14900	5.00	5.07	
* 158 2-Butanone-d5	46	3.661	3.661	0.000	99	312285	250.0	250.0	
40 cis-1,2-Dichloroethene	96	3.702	3.694	0.008	98	17549	5.00	5.04	
41 2-Butanone (MEK)	72	3.727	3.727	0.000	96	10195	25.0	28.6	
42 Ethyl acetate	70	3.743	3.743	0.000	92	4423	10.0	10.9	
43 Methyl acrylate	55	3.801	3.793	0.008	57	12097	5.00	4.36	
44 Propionitrile	54	3.875	3.858	0.017	96	25033	50.0	52.2	
46 Tetrahydrofuran	72	3.924	3.924	0.000	80	5279	10.0	10.9	
45 Chlorobromomethane	128	3.941	3.933	0.008	90	8165	5.00	5.10	
47 Methacrylonitrile	67	3.974	3.965	0.009	91	72781	50.0	53.9	
48 Chloroform	83	4.023	4.007	0.016	98	28309	5.00	5.15	
49 Cyclohexane	84	4.114	4.114	0.000	94	15194	5.00	4.50	
50 1,1,1-Trichloroethane	97	4.147	4.130	0.016	98	21119	5.00	4.85	
$ 51 Dibromofluoromethane (Surr	113	4.188	4.188	0.000	94	116750	50.0	49.0	
52 Carbon tetrachloride	117	4.262	4.262	0.000	96	15556	5.00	4.73	
53 1,1-Dichloropropene	75	4.311	4.303	0.008	95	19931	5.00	4.99	
54 Isooctane	57	4.500	4.500	0.000	90	20544	5.00	4.24	
55 Benzene	78	4.525	4.517	0.008	96	61943	5.00	5.23	
56 Isobutyl alcohol	43	4.566	4.550	0.016	4	21281	125.0	137.4	M
$ 57 1,2-Dichloroethane-d4 (Sur	65	4.558	4.558	0.000	96	143673	50.0	50.5	
58 Tert-amyl methyl ether	73	4.632	4.632	0.000	91	62144	5.00	5.33	
59 Isopropyl acetate	87	4.640	4.640	0.000	97	16124	5.00	5.35	
60 1,2-Dichloroethane	62	4.649	4.640	0.008	88	22441	5.00	5.26	
61 n-Heptane	57	4.731	4.739	-0.008	83	4135	5.00	3.88	
* 62 Fluorobenzene	96	4.862	4.863	0.000	98	541672	50.0	50.0	
64 Trichloroethene	95	5.282	5.274	0.008	97	14857	5.00	4.91	
65 n-Butanol	56	5.397	5.348	0.049	60	8538	125.0	87.1	
66 Methylcyclohexane	83	5.389	5.397	-0.008	91	12393	5.00	4.29	
67 Ethyl acrylate	55	5.488	5.480	0.008	97	13908	5.00	4.37	
68 1,2-Dichloropropane	63	5.611	5.603	0.008	93	15791	5.00	4.85	
* 69 1,4-Dioxane-d8	96	5.710	5.694	0.016	95	27169	1000.0	1000.0	
72 Methyl methacrylate	100	5.760	5.760	0.000	90	7689	10.0	9.71	
71 1,4-Dioxane	88	5.768	5.760	0.008	32	3071	100.0	99.6	
70 Dibromomethane	93	5.768	5.768	0.000	50	9536	5.00	4.82	
73 n-Propyl acetate	43	5.850	5.842	0.008	97	19243	5.00	4.24	
74 Dichlorobromomethane	83	5.982	5.974	0.008	98	19565	5.00	4.78	
75 2-Nitropropane	41	6.385	6.377	0.008	97	10119	10.0	11.1	
76 2-Chloroethyl vinyl ether	63	6.426	6.418	0.008	93	10067	5.00	4.76	
77 Epichlorohydrin	57	6.533	6.525	0.008	99	29788	100.0	96.9	
78 cis-1,3-Dichloropropene	75	6.582	6.574	0.008	93	24020	5.00	4.91	
79 4-Methyl-2-pentanone (MIBK	43	6.796	6.796	0.000	97	84736	25.0	25.3	
$ 80 Toluene-d8 (Surr)	98	6.838	6.838	0.000	99	431567	50.0	50.4	
81 Toluene	91	6.928	6.920	0.008	94	57723	5.00	5.04	
82 trans-1,3-Dichloropropene	75	7.348	7.340	0.008	96	19657	5.00	4.69	
83 Ethyl methacrylate	69	7.397	7.389	0.008	92	20272	5.00	4.91	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Tetrachloroethene	166	7.537	7.537	0.000	88	10021	5.00	4.75	
84 1,1,2-Trichloroethane	83	7.537	7.537	0.000	94	11855	5.00	5.03	
86 1,3-Dichloropropane	76	7.718	7.718	0.000	94	23388	5.00	5.17	
87 2-Hexanone	43	7.800	7.801	0.000	97	52684	25.0	25.3	
88 Chlorodibromomethane	129	7.916	7.916	0.000	97	12036	5.00	4.70	
89 n-Butyl acetate	73	7.924	7.924	0.000	99	4324	5.00	5.15	
90 Ethylene Dibromide	107	8.031	8.031	0.000	99	12638	5.00	4.92	
* 91 Chlorobenzene-d5	117	8.475	8.475	0.000	89	369674	50.0	50.0	
92 Chlorobenzene	112	8.508	8.508	0.000	94	35726	5.00	5.11	
93 Ethylbenzene	106	8.591	8.591	0.000	98	18719	5.00	5.01	
94 1,1,1,2-Tetrachloroethane	131	8.615	8.607	0.008	94	13491	5.00	5.08	
95 m-Xylene & p-Xylene	106	8.714	8.714	0.000	98	22729	5.00	5.14	
96 o-Xylene	106	9.084	9.084	0.000	93	23838	5.00	5.06	
97 n-Butyl acrylate	73	9.101	9.101	0.000	98	13483	5.00	5.16	
98 Styrene	104	9.117	9.117	0.000	96	39509	5.00	5.20	
100 Amyl acetate (mixed isomer	43	9.307	9.307	0.000	89	30460	5.00	4.80	
99 Bromoform	173	9.307	9.307	0.000	51	6821	5.00	4.69	
101 Isopropylbenzene	105	9.414	9.414	0.000	96	48821	5.00	5.00	
$ 102 4-Bromofluorobenzene	174	9.595	9.595	0.000	84	107019	50.0	49.2	
104 Bromobenzene	156	9.710	9.710	0.000	96	13499	5.00	4.98	
105 1,1,2,2-Tetrachloroethane	83	9.767	9.767	0.000	97	21488	5.00	5.21	
106 N-Propylbenzene	91	9.776	9.776	0.000	99	55719	5.00	5.04	
107 1,2,3-Trichloropropane	110	9.800	9.800	0.000	97	5221	5.00	4.93	
108 trans-1,4-Dichloro-2-buten	53	9.825	9.825	0.000	70	4902	5.00	4.71	
109 2-Chlorotoluene	91	9.866	9.866	0.000	96	44493	5.00	5.02	
110 4-Ethyltoluene	105	9.874	9.874	0.000	98	49264	5.00	5.19	
111 1,3,5-Trimethylbenzene	105	9.932	9.932	0.000	92	39538	5.00	4.91	
112 4-Chlorotoluene	91	9.973	9.965	0.008	98	40588	5.00	4.95	
113 Butyl Methacrylate	87	10.031	10.031	0.000	90	22577	5.00	5.03	
114 tert-Butylbenzene	119	10.187	10.187	0.000	92	28070	5.00	4.77	
115 1,2,4-Trimethylbenzene	105	10.245	10.245	0.000	97	43216	5.00	4.92	
116 sec-Butylbenzene	105	10.368	10.368	0.000	99	39213	5.00	4.68	
118 4-Isopropyltoluene	119	10.492	10.492	0.000	98	33859	5.00	4.76	
117 1,3-Dichlorobenzene	146	10.500	10.500	0.000	96	22774	5.00	5.05	
* 119 1,4-Dichlorobenzene-d4	152	10.557	10.557	0.000	98	176113	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.574	10.582	-0.008	95	24034	5.00	4.99	
121 Benzyl chloride	91	10.706	10.697	0.009	98	36228	5.00	4.87	
122 2,3-Dihydroindene	117	10.755	10.755	0.000	94	52391	5.00	5.39	
123 p-Diethylbenzene	119	10.796	10.796	0.000	89	20366	5.00	5.09	
124 n-Butylbenzene	91	10.821	10.821	0.000	97	36730	5.00	4.67	
125 1,2-Dichlorobenzene	146	10.878	10.878	0.000	93	23406	5.00	4.90	
126 1,2,4,5-Tetramethylbenzene	119	11.413	11.413	0.000	96	35787	5.00	5.03	
127 1,2-Dibromo-3-Chloropropan	75	11.512	11.512	0.000	92	3906	5.00	5.41	
128 1,3,5-Trichlorobenzene	180	11.619	11.619	0.000	94	13379	5.00	5.24	
130 1,2,4-Trichlorobenzene	180	12.105	12.105	0.000	93	12010	5.00	4.95	
131 Hexachlorobutadiene	225	12.179	12.187	-0.008	92	4399	5.00	4.46	
132 Naphthalene	128	12.302	12.302	0.000	99	44474	5.00	4.84	
133 1,2,3-Trichlorobenzene	180	12.500	12.500	0.000	97	11023	5.00	4.85	
S 134 1,2-Dichloroethene, Total	100				0		10.0	10.1	
S 135 Xylenes, Total	100				0		10.0	10.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260SURR250_00116	Amount Added:	1.00	Units: uL	
ACROLEIN W_00049	Amount Added:	4.00	Units: uL	
MIX 2 Hi_00042	Amount Added:	1.00	Units: uL	
MIX I Hi_00054	Amount Added:	1.00	Units: uL	
GAS Hi_00142	Amount Added:	1.00	Units: uL	
8260ISNEW_00059	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 07-Apr-2016 15:52:36 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95818.D

Injection Date: 07-Apr-2016 01:51:30 Instrument ID: CVOAMS2 Operator ID:

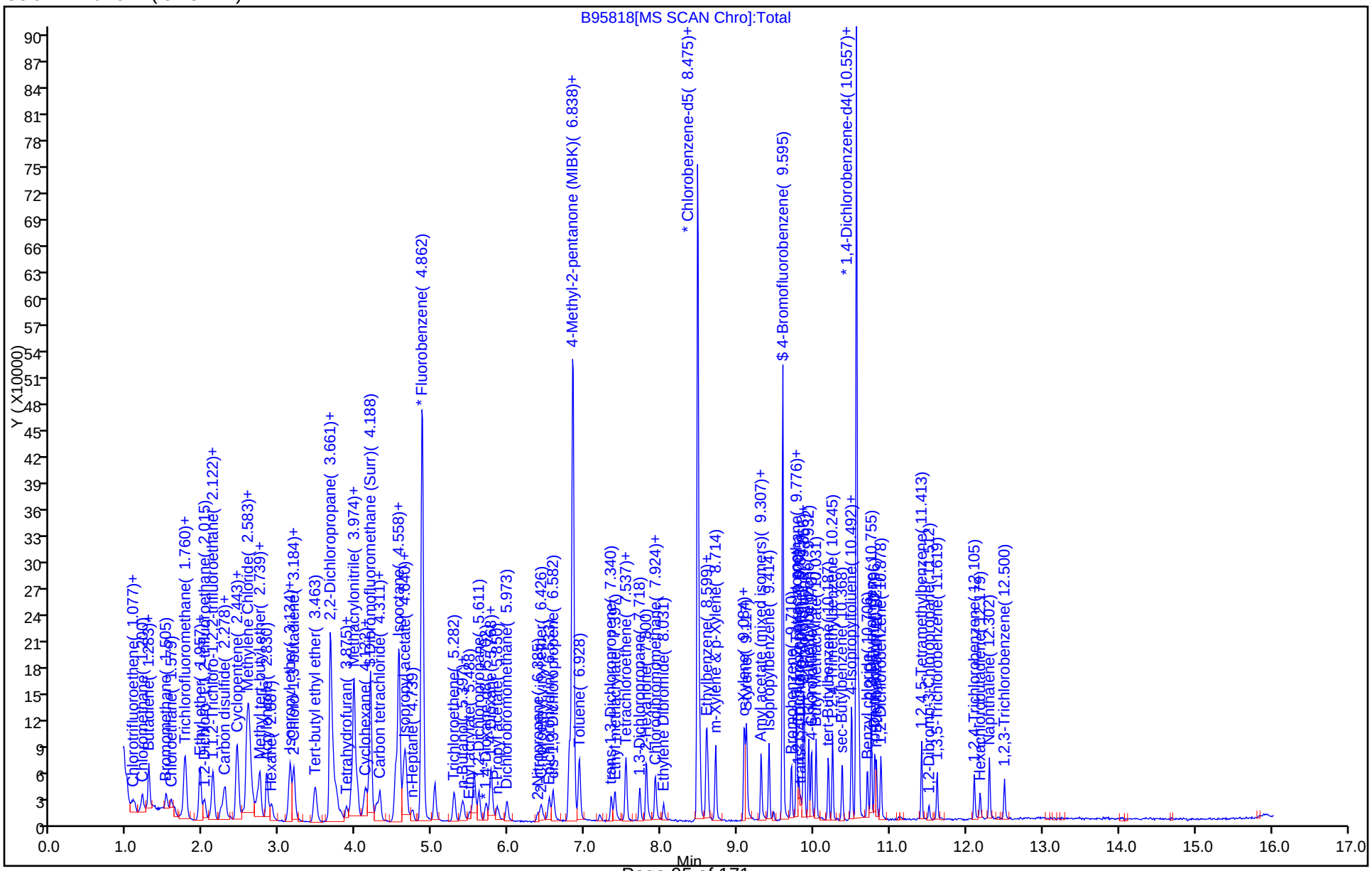
Lims ID: STD5 Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

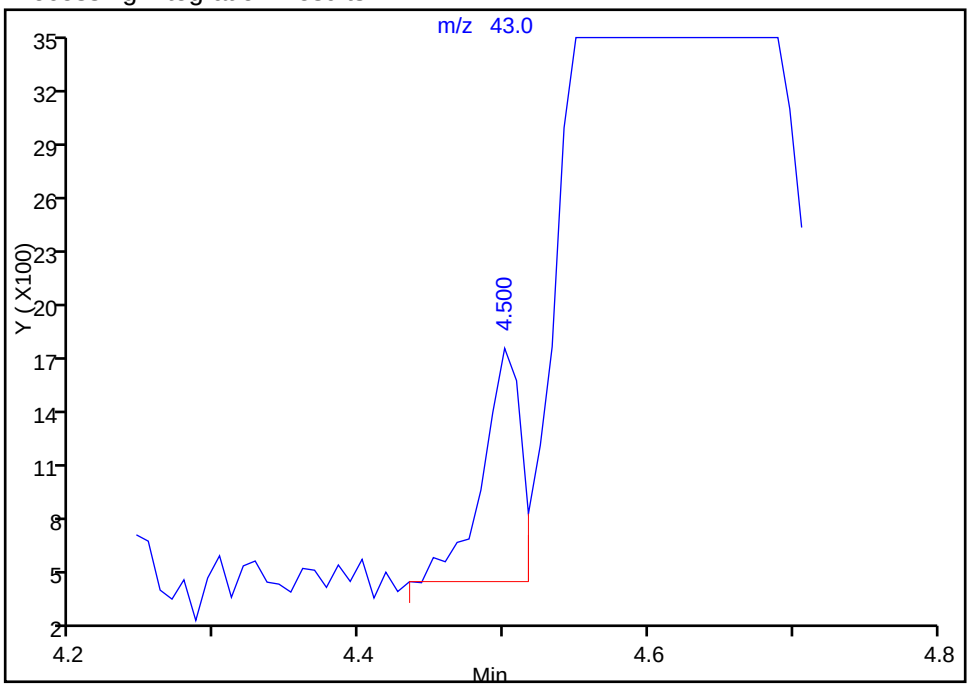
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95818.D
Injection Date: 07-Apr-2016 01:51:30 Instrument ID: CVOAMS2
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

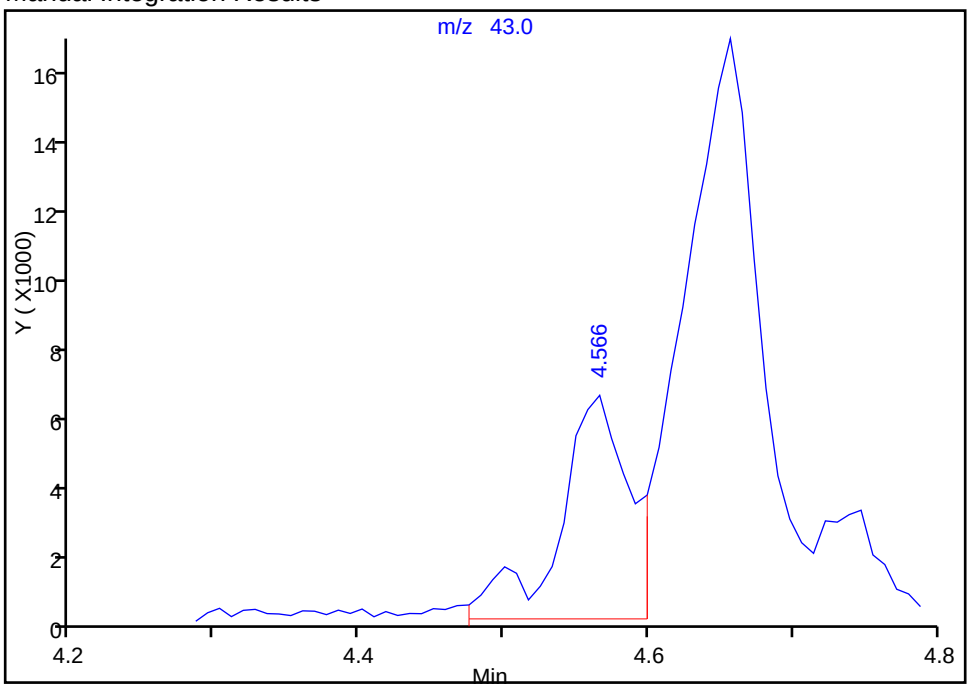
Processing Integration Results

RT: 4.50
Area: 2427
Amount: 14.595471
Amount Units: ug/l



Manual Integration Results

RT: 4.57
Area: 21281
Amount: 137.4459
Amount Units: ug/l



Reviewer: delpolitov, 07-Apr-2016 15:07:48
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95819.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 07-Apr-2016 02:15:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0039559-006
Operator ID: Instrument ID: CVOAMS2
Sublist: chrom-8260W_2*sub58

Method: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Apr-2016 15:52:40 Calib Date: 07-Apr-2016 03:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: tupayachia Date: 07-Apr-2016 04:29:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.060	1.060	0.000	89	12714	20.0	21.4	
2 Dichlorodifluoromethane	85	1.085	1.085	0.000	99	93416	20.0	19.7	
3 Chloromethane	50	1.192	1.192	0.000	98	68302	20.0	19.6	
4 Vinyl chloride	62	1.274	1.274	0.000	99	64746	20.0	19.1	
5 Butadiene	54	1.274	1.274	0.000	97	53037	20.0	19.1	
6 Bromomethane	94	1.505	1.505	0.000	98	46387	20.0	19.7	
7 Chloroethane	64	1.562	1.562	0.000	99	36463	20.0	20.3	
9 Dichlorofluoromethane	67	1.735	1.735	0.000	99	126706	20.0	20.3	
10 Trichlorofluoromethane	101	1.743	1.743	0.000	63	91276	20.0	20.1	
8 Pentane	72	1.752	1.752	0.000	97	17847	40.0	43.5	
11 Ethyl ether	59	1.941	1.941	0.000	89	53253	20.0	19.7	
12 Ethanol	46	1.941	1.941	0.000	76	10895	800.0	678.6	
13 2-Methyl-1,3-butadiene	53	1.949	1.949	0.000	96	55313	20.0	19.3	
14 1,2-Dichloro-1,1,2-trifluo	117	2.007	2.007	0.000	88	50168	20.0	19.7	
16 1,1,2-Trichloro-1,2,2-trif	101	2.097	2.097	0.000	95	55245	20.0	20.6	
15 Acrolein	56	2.097	2.097	0.000	64	25899	40.0	38.4	
17 1,1-Dichloroethene	96	2.122	2.122	0.000	98	61143	20.0	19.3	
18 Acetone	43	2.213	2.213	0.000	87	92146	100.0	91.5	
19 Iodomethane	142	2.254	2.254	0.000	96	109197	20.0	20.0	
20 Carbon disulfide	76	2.278	2.278	0.000	98	213278	20.0	19.9	
21 Isopropyl alcohol	45	2.336	2.336	0.000	64	36521	200.0	170.5	
22 3-Chloro-1-propene	76	2.418	2.418	0.000	51	37916	20.0	18.8	
23 Cyclopentene	67	2.427	2.427	0.000	91	157407	20.0	20.0	
24 Methyl acetate	43	2.443	2.443	0.000	100	248794	100.0	103.5	
25 Acetonitrile	41	2.501	2.501	0.000	90	87932	200.0	197.6	
26 Methylene Chloride	84	2.550	2.550	0.000	92	71613	20.0	19.5	
* 27 TBA-d9 (IS)	65	2.583	2.583	0.000	88	324239	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.657	2.657	0.000	64	70323	200.0	184.6	
29 Methyl tert-butyl ether	73	2.715	2.715	0.000	97	186804	20.0	20.2	
30 trans-1,2-Dichloroethene	96	2.731	2.731	0.000	96	63859	20.0	19.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	2.813	2.813	0.000	95	247231	200.0	216.8	
32 Hexane	43	2.887	2.887	0.000	93	29422	20.0	20.1	
34 Isopropyl ether	45	3.118	3.118	0.000	98	208007	20.0	19.4	
33 1,1-Dichloroethane	63	3.134	3.134	0.000	99	119626	20.0	19.8	
35 2-Chloro-1,3-butadiene	88	3.175	3.175	0.000	91	54157	20.0	19.2	
36 Vinyl acetate	86	3.175	3.175	0.000	100	21168	40.0	37.3	
38 Tert-butyl ethyl ether	59	3.455	3.455	0.000	88	199388	20.0	19.6	
39 2,2-Dichloropropane	41	3.653	3.653	0.000	57	51422	20.0	20.1	
* 158 2-Butanone-d5	46	3.661	3.661	0.000	99	329302	250.0	250.0	
40 cis-1,2-Dichloroethene	96	3.694	3.694	0.000	98	68205	20.0	19.8	
41 2-Butanone (MEK)	72	3.727	3.727	0.000	97	36480	100.0	97.1	
42 Ethyl acetate	70	3.743	3.743	0.000	94	13994	40.0	37.6	
43 Methyl acrylate	55	3.793	3.793	0.000	98	50302	20.0	18.3	
44 Propionitrile	54	3.858	3.858	0.000	98	90931	200.0	178.9	
46 Tetrahydrofuran	72	3.924	3.924	0.000	77	18052	40.0	39.4	
45 Chlorobromomethane	128	3.933	3.933	0.000	93	32049	20.0	20.2	
47 Methacrylonitrile	67	3.965	3.965	0.000	92	267844	200.0	200.6	
48 Chloroform	83	4.007	4.007	0.000	99	104105	20.0	19.1	
49 Cyclohexane	84	4.114	4.114	0.000	91	67917	20.0	20.3	
50 1,1,1-Trichloroethane	97	4.130	4.130	0.000	98	81592	20.0	18.9	
$ 51 Dibromofluoromethane (Surr	113	4.188	4.188	0.000	95	118792	50.0	50.4	
52 Carbon tetrachloride	117	4.262	4.262	0.000	98	62922	20.0	19.3	
53 1,1-Dichloropropene	75	4.303	4.303	0.000	97	75379	20.0	19.1	
54 Isooctane	57	4.500	4.500	0.000	94	96300	20.0	20.1	
55 Benzene	78	4.517	4.517	0.000	97	234283	20.0	19.9	
56 Isobutyl alcohol	43	4.550	4.550	0.000	95	80734	500.0	491.7	
$ 57 1,2-Dichloroethane-d4 (Sur	65	4.558	4.558	0.000	97	144271	50.0	51.3	
58 Tert-amyl methyl ether	73	4.632	4.632	0.000	91	226350	20.0	19.6	
59 Isopropyl acetate	87	4.640	4.640	0.000	98	56629	20.0	19.0	
60 1,2-Dichloroethane	62	4.640	4.640	0.000	97	81396	20.0	19.3	
61 n-Heptane	57	4.739	4.739	0.000	90	20193	20.0	20.6	
* 62 Fluorobenzene	96	4.863	4.863	0.000	98	535800	50.0	50.0	
64 Trichloroethene	95	5.274	5.274	0.000	95	55567	20.0	18.6	
65 n-Butanol	56	5.348	5.348	0.000	88	45841	500.0	441.1	
66 Methylcyclohexane	83	5.397	5.397	0.000	93	57233	20.0	20.0	
67 Ethyl acrylate	55	5.480	5.480	0.000	97	65858	20.0	19.6	
68 1,2-Dichloropropane	63	5.603	5.603	0.000	94	63183	20.0	19.6	
* 69 1,4-Dioxane-d8	96	5.694	5.694	0.000	94	28633	1000.0	1000.0	
72 Methyl methacrylate	100	5.760	5.760	0.000	93	30973	40.0	39.5	
71 1,4-Dioxane	88	5.760	5.760	0.000	36	13053	400.0	401.9	
70 Dibromomethane	93	5.768	5.768	0.000	95	37345	20.0	19.1	
73 n-Propyl acetate	43	5.842	5.842	0.000	98	83554	20.0	18.6	
74 Dichlorobromomethane	83	5.974	5.974	0.000	99	74200	20.0	18.3	
75 2-Nitropropane	41	6.377	6.377	0.000	98	32087	40.0	35.7	
76 2-Chloroethyl vinyl ether	63	6.418	6.418	0.000	96	38174	20.0	18.3	
77 Epichlorohydrin	57	6.525	6.525	0.000	99	119956	400.0	370.0	
78 cis-1,3-Dichloropropene	75	6.574	6.574	0.000	90	97674	20.0	20.0	
79 4-Methyl-2-pentanone (MIBK	43	6.796	6.796	0.000	97	338743	100.0	96.0	
$ 80 Toluene-d8 (Surr)	98	6.838	6.838	0.000	99	432561	50.0	50.8	
81 Toluene	91	6.920	6.920	0.000	94	222934	20.0	19.5	
82 trans-1,3-Dichloropropene	75	7.340	7.340	0.000	94	83198	20.0	19.9	
83 Ethyl methacrylate	69	7.389	7.389	0.000	91	81183	20.0	19.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Tetrachloroethene	166	7.537	7.537	0.000	94	40520	20.0	19.3	
84 1,1,2-Trichloroethane	83	7.537	7.537	0.000	92	44940	20.0	19.1	
86 1,3-Dichloropropane	76	7.718	7.718	0.000	95	89068	20.0	19.8	
87 2-Hexanone	43	7.801	7.801	0.000	97	209730	100.0	95.5	
88 Chlorodibromomethane	129	7.916	7.916	0.000	97	48414	20.0	19.0	
89 n-Butyl acetate	73	7.924	7.924	0.000	99	15762	20.0	18.8	
90 Ethylene Dibromide	107	8.031	8.031	0.000	97	50718	20.0	19.8	
* 91 Chlorobenzene-d5	117	8.475	8.475	0.000	88	368221	50.0	50.0	
92 Chlorobenzene	112	8.508	8.508	0.000	93	132891	20.0	19.1	
93 Ethylbenzene	106	8.591	8.591	0.000	99	69442	20.0	18.7	
94 1,1,1,2-Tetrachloroethane	131	8.607	8.607	0.000	95	49478	20.0	18.7	
95 m-Xylene & p-Xylene	106	8.714	8.714	0.000	98	84285	20.0	19.1	
96 o-Xylene	106	9.084	9.084	0.000	94	91088	20.0	19.4	
97 n-Butyl acrylate	73	9.101	9.101	0.000	97	49856	20.0	19.1	
98 Styrene	104	9.117	9.117	0.000	93	146343	20.0	19.3	
100 Amyl acetate (mixed isomer	43	9.307	9.307	0.000	90	120675	20.0	19.3	
99 Bromoform	173	9.307	9.307	0.000	52	26590	20.0	18.4	
101 Isopropylbenzene	105	9.414	9.414	0.000	96	196179	20.0	20.2	
$ 102 4-Bromofluorobenzene	174	9.595	9.595	0.000	84	109047	50.0	50.3	
104 Bromobenzene	156	9.710	9.710	0.000	97	51677	20.0	19.3	
105 1,1,2,2-Tetrachloroethane	83	9.767	9.767	0.000	63	77643	20.0	19.1	
106 N-Propylbenzene	91	9.776	9.776	0.000	98	222187	20.0	20.4	
107 1,2,3-Trichloropropane	110	9.800	9.800	0.000	98	20732	20.0	19.9	
108 trans-1,4-Dichloro-2-buten	53	9.825	9.825	0.000	72	18926	20.0	18.5	
109 2-Chlorotoluene	91	9.866	9.866	0.000	96	172809	20.0	19.8	
110 4-Ethyltoluene	105	9.874	9.874	0.000	98	180542	20.0	19.3	
111 1,3,5-Trimethylbenzene	105	9.932	9.932	0.000	93	153740	20.0	19.4	
112 4-Chlorotoluene	91	9.965	9.965	0.000	98	158949	20.0	19.7	
113 Butyl Methacrylate	87	10.031	10.031	0.000	90	87069	20.0	19.7	
114 tert-Butylbenzene	119	10.187	10.187	0.000	92	111637	20.0	19.3	
115 1,2,4-Trimethylbenzene	105	10.245	10.245	0.000	98	169193	20.0	19.6	
116 sec-Butylbenzene	105	10.368	10.368	0.000	99	163272	20.0	19.8	
118 4-Isopropyltoluene	119	10.492	10.492	0.000	98	132615	20.0	18.9	
117 1,3-Dichlorobenzene	146	10.500	10.500	0.000	95	81651	20.0	18.4	
* 119 1,4-Dichlorobenzene-d4	152	10.557	10.557	0.000	98	173607	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.582	10.582	0.000	95	90001	20.0	19.0	
121 Benzyl chloride	91	10.697	10.697	0.000	98	141598	20.0	19.3	
122 2,3-Dihydroindene	117	10.755	10.755	0.000	94	186691	20.0	19.5	
123 p-Diethylbenzene	119	10.796	10.796	0.000	93	74982	20.0	19.0	
124 n-Butylbenzene	91	10.821	10.821	0.000	99	149406	20.0	19.3	
125 1,2-Dichlorobenzene	146	10.878	10.878	0.000	94	88245	20.0	18.8	
126 1,2,4,5-Tetramethylbenzene	119	11.413	11.413	0.000	97	136593	20.0	19.5	
127 1,2-Dibromo-3-Chloropropan	75	11.512	11.512	0.000	96	13176	20.0	18.5	
128 1,3,5-Trichlorobenzene	180	11.619	11.619	0.000	97	46947	20.0	18.6	
130 1,2,4-Trichlorobenzene	180	12.105	12.105	0.000	94	48000	20.0	20.1	
131 Hexachlorobutadiene	225	12.187	12.187	0.000	92	17479	20.0	18.0	
132 Naphthalene	128	12.302	12.302	0.000	99	182012	20.0	20.1	
133 1,2,3-Trichlorobenzene	180	12.500	12.500	0.000	93	42005	20.0	18.8	
S 134 1,2-Dichloroethene, Total	100				0		40.0	39.4	
S 135 Xylenes, Total	100				0		40.0	38.5	

Reagents:

8260SURR250_00116	Amount Added:	1.00	Units: uL	
ACROLEIN W_00049	Amount Added:	4.00	Units: uL	
MIX 2 Hi_00042	Amount Added:	2.00	Units: uL	
MIX I Hi_00054	Amount Added:	2.00	Units: uL	
GAS Hi_00142	Amount Added:	2.00	Units: uL	
8260ISNEW_00059	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 07-Apr-2016 15:52:44 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95819.D

Injection Date: 07-Apr-2016 02:15:30 Instrument ID: CVOAMS2 Operator ID:

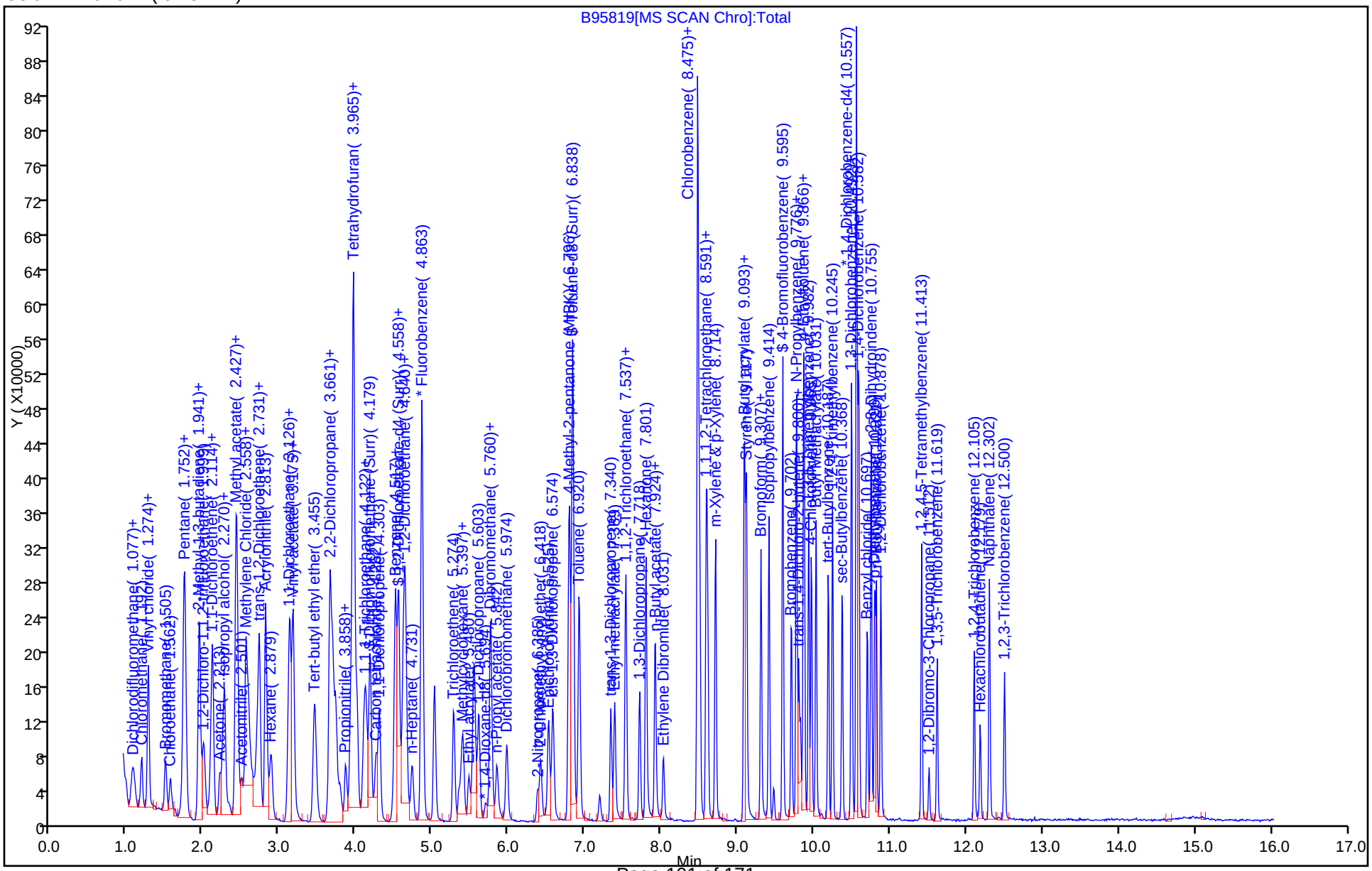
Lims ID: STD20 Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95820.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 07-Apr-2016 02:39:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0039559-007
Operator ID: Instrument ID: CVOAMS2
Sublist: chrom-8260W_2*sub58

Method: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Apr-2016 15:52:50 Calib Date: 07-Apr-2016 03:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: tupayachia Date: 07-Apr-2016 04:31:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.068	1.060	0.008	88	30971	50.0	50.8	
2 Dichlorodifluoromethane	85	1.085	1.085	0.000	99	241362	50.0	49.7	
3 Chloromethane	50	1.192	1.192	0.000	99	177710	50.0	49.6	
4 Vinyl chloride	62	1.274	1.274	0.000	98	171238	50.0	49.1	
5 Butadiene	54	1.274	1.274	0.000	85	140214	50.0	49.3	
6 Bromomethane	94	1.505	1.505	0.000	99	115706	50.0	49.4	
7 Chloroethane	64	1.570	1.562	0.008	100	92220	50.0	50.0	
9 Dichlorofluoromethane	67	1.743	1.735	0.008	99	327927	50.0	51.1	
10 Trichlorofluoromethane	101	1.743	1.743	0.000	60	235871	50.0	50.7	
8 Pentane	72	1.760	1.752	0.008	96	44262	100.0	105.0	
11 Ethyl ether	59	1.941	1.941	0.000	94	136935	50.0	49.3	
12 Ethanol	46	1.941	1.941	0.000	72	31630	2000.0	1999.4	
13 2-Methyl-1,3-butadiene	53	1.949	1.949	0.000	96	144567	50.0	49.1	
14 1,2-Dichloro-1,1,2-trifluo	117	2.007	2.007	0.000	90	126360	50.0	48.4	
16 1,1,2-Trichloro-1,2,2-trif	101	2.105	2.097	0.008	97	133122	50.0	48.3	
15 Acrolein	56	2.097	2.097	0.000	75	67306	100.0	98.5	
17 1,1-Dichloroethene	96	2.122	2.122	0.000	98	158160	50.0	48.8	
18 Acetone	43	2.212	2.213	-0.001	87	231657	250.0	227.1	
19 Iodomethane	142	2.253	2.254	-0.001	97	275950	50.0	49.3	
20 Carbon disulfide	76	2.278	2.278	0.000	98	558212	50.0	50.8	
21 Isopropyl alcohol	45	2.328	2.336	-0.008	98	100323	500.0	462.4	
22 3-Chloro-1-propene	76	2.426	2.418	0.008	47	100365	50.0	48.4	
23 Cyclopentene	67	2.435	2.427	0.008	94	401280	50.0	49.7	
24 Methyl acetate	43	2.443	2.443	0.000	99	623742	250.0	253.0	
25 Acetonitrile	41	2.500	2.501	-0.001	97	235523	500.0	515.9	
26 Methylene Chloride	84	2.550	2.550	0.000	93	176741	50.0	47.0	
* 27 TBA-d9 (IS)	65	2.583	2.583	0.000	93	328429	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.657	2.657	0.000	97	171308	500.0	444.0	M
29 Methyl tert-butyl ether	73	2.714	2.715	-0.001	97	466063	50.0	49.1	
30 trans-1,2-Dichloroethene	96	2.731	2.731	0.000	96	164857	50.0	49.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	2.813	2.813	0.000	94	633451	500.0	541.4	
32 Hexane	43	2.887	2.887	0.000	93	69066	50.0	46.0	
34 Isopropyl ether	45	3.126	3.118	0.008	98	536493	50.0	48.8	
33 1,1-Dichloroethane	63	3.134	3.134	0.000	99	305601	50.0	49.3	
35 2-Chloro-1,3-butadiene	88	3.175	3.175	0.000	91	144391	50.0	49.9	
36 Vinyl acetate	86	3.175	3.175	0.000	100	56526	100.0	97.0	
38 Tert-butyl ethyl ether	59	3.455	3.455	0.000	88	512665	50.0	49.1	
39 2,2-Dichloropropane	41	3.653	3.653	0.000	91	123568	50.0	48.8	
* 158 2-Butanone-d5	46	3.661	3.661	0.000	91	333346	250.0	250.0	
40 cis-1,2-Dichloroethene	96	3.694	3.694	0.000	98	173614	50.0	49.1	
41 2-Butanone (MEK)	72	3.718	3.727	-0.009	99	90952	250.0	239.1	
42 Ethyl acetate	70	3.735	3.743	-0.008	95	32415	100.0	89.4	
43 Methyl acrylate	55	3.784	3.793	-0.009	100	138668	50.0	49.3	
44 Propionitrile	54	3.858	3.858	0.000	97	231043	500.0	448.7	
46 Tetrahydrofuran	72	3.924	3.924	0.000	95	43939	100.0	97.5	
45 Chlorobromomethane	128	3.932	3.933	-0.001	96	81735	50.0	50.3	
47 Methacrylonitrile	67	3.965	3.965	0.000	92	694914	500.0	507.3	
48 Chloroform	83	4.015	4.007	0.008	99	268878	50.0	48.2	
49 Cyclohexane	84	4.113	4.114	-0.001	92	165470	50.0	48.2	
50 1,1,1-Trichloroethane	97	4.138	4.130	0.008	99	209628	50.0	47.4	
$ 51 Dibromofluoromethane (Surr	113	4.187	4.188	-0.001	94	121556	50.0	50.2	
52 Carbon tetrachloride	117	4.262	4.262	0.000	99	166027	50.0	49.7	
53 1,1-Dichloropropene	75	4.303	4.303	0.000	97	198120	50.0	48.9	
54 Isooctane	57	4.508	4.500	0.008	95	242204	50.0	49.2	
55 Benzene	78	4.517	4.517	0.000	96	620832	50.0	50.9	
56 Isobutyl alcohol	43	4.550	4.550	0.000	95	214568	1250.0	1290.2	
$ 57 1,2-Dichloroethane-d4 (Sur	65	4.558	4.558	0.000	98	146096	50.0	50.6	
58 Tert-amyl methyl ether	73	4.624	4.632	-0.008	91	570122	50.0	48.2	
59 Isopropyl acetate	87	4.632	4.640	-0.008	99	147351	50.0	48.2	
60 1,2-Dichloroethane	62	4.640	4.640	0.000	96	198996	50.0	46.0	
61 n-Heptane	57	4.731	4.739	-0.008	92	47232	50.0	47.3	
* 62 Fluorobenzene	96	4.862	4.863	0.000	99	549766	50.0	50.0	
64 Trichloroethene	95	5.282	5.274	0.008	98	148804	50.0	48.4	
65 n-Butanol	56	5.340	5.348	-0.008	86	129650	1250.0	1231.5	M
66 Methylcyclohexane	83	5.397	5.397	0.000	91	136375	50.0	46.5	
67 Ethyl acrylate	55	5.480	5.480	0.000	98	189901	50.0	53.3	
68 1,2-Dichloropropane	63	5.611	5.603	0.008	94	163364	50.0	49.5	
* 69 1,4-Dioxane-d8	96	5.693	5.694	-0.001	95	28834	1000.0	1000.0	
72 Methyl methacrylate	100	5.759	5.760	-0.001	93	78243	100.0	97.3	
71 1,4-Dioxane	88	5.768	5.760	0.008	37	32488	1000.0	993.2	
70 Dibromomethane	93	5.768	5.768	0.000	97	95234	50.0	47.4	
73 n-Propyl acetate	43	5.842	5.842	0.000	99	218830	50.0	47.5	
74 Dichlorobromomethane	83	5.973	5.974	-0.001	99	195158	50.0	47.0	
75 2-Nitropropane	41	6.385	6.377	0.008	98	80202	100.0	87.1	
76 2-Chloroethyl vinyl ether	63	6.418	6.418	0.000	96	104762	50.0	48.8	
77 Epichlorohydrin	57	6.525	6.525	0.000	99	332633	1000.0	1013.4	
78 cis-1,3-Dichloropropene	75	6.582	6.574	0.008	91	252024	50.0	50.1	
79 4-Methyl-2-pentanone (MIBK	43	6.796	6.796	0.000	97	841127	250.0	235.6	
$ 80 Toluene-d8 (Surr)	98	6.837	6.838	-0.001	96	451901	50.0	51.3	
81 Toluene	91	6.928	6.920	0.008	93	585640	50.0	49.7	
82 trans-1,3-Dichloropropene	75	7.339	7.340	-0.001	96	222409	50.0	51.5	
83 Ethyl methacrylate	69	7.389	7.389	0.000	89	209971	50.0	49.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Tetrachloroethene	166	7.537	7.537	0.000	93	105120	50.0	48.4	
84 1,1,2-Trichloroethane	83	7.537	7.537	0.000	96	118517	50.0	48.8	
86 1,3-Dichloropropane	76	7.718	7.718	0.000	93	233956	50.0	50.2	
87 2-Hexanone	43	7.800	7.801	0.000	97	537729	250.0	241.9	
88 Chlorodibromomethane	129	7.916	7.916	0.000	97	128101	50.0	48.6	
89 n-Butyl acetate	73	7.924	7.924	0.000	99	41248	50.0	47.7	
90 Ethylene Dibromide	107	8.031	8.031	0.000	100	130675	50.0	49.4	
* 91 Chlorobenzene-d5	117	8.475	8.475	0.000	89	380433	50.0	50.0	
92 Chlorobenzene	112	8.508	8.508	0.000	93	354427	50.0	49.2	
93 Ethylbenzene	106	8.590	8.591	-0.001	99	181250	50.0	47.2	
94 1,1,1,2-Tetrachloroethane	131	8.607	8.607	0.000	95	133802	50.0	49.0	
95 m-Xylene & p-Xylene	106	8.714	8.714	0.000	98	218690	50.0	48.0	
96 o-Xylene	106	9.084	9.084	0.000	92	237793	50.0	49.0	
97 n-Butyl acrylate	73	9.101	9.101	0.000	97	130079	50.0	48.4	
98 Styrene	104	9.117	9.117	0.000	94	387817	50.0	49.6	
100 Amyl acetate (mixed isomer	43	9.306	9.307	-0.001	90	308474	50.0	48.1	
99 Bromoform	173	9.306	9.307	-0.001	52	70003	50.0	46.8	
101 Isopropylbenzene	105	9.413	9.414	-0.001	96	507946	50.0	50.5	
$ 102 4-Bromofluorobenzene	174	9.594	9.595	-0.001	84	110578	50.0	49.4	
104 Bromobenzene	156	9.710	9.710	0.000	97	128571	50.0	47.0	
105 1,1,2,2-Tetrachloroethane	83	9.767	9.767	0.000	64	197225	50.0	47.4	
106 N-Propylbenzene	91	9.775	9.776	-0.001	98	569560	50.0	51.0	
107 1,2,3-Trichloropropane	110	9.800	9.800	0.000	96	51010	50.0	47.7	
108 trans-1,4-Dichloro-2-buten	53	9.825	9.825	0.000	81	50801	50.0	48.4	
109 2-Chlorotoluene	91	9.866	9.866	0.000	96	442959	50.0	49.5	
110 4-Ethyltoluene	105	9.874	9.874	0.000	97	471621	50.0	49.1	
111 1,3,5-Trimethylbenzene	105	9.932	9.932	0.000	94	414959	50.0	51.0	
112 4-Chlorotoluene	91	9.965	9.965	0.000	98	401424	50.0	48.5	
113 Butyl Methacrylate	87	10.031	10.031	0.000	91	216822	50.0	47.8	
114 tert-Butylbenzene	119	10.187	10.187	0.000	92	294706	50.0	49.6	
115 1,2,4-Trimethylbenzene	105	10.245	10.245	-0.001	98	435730	50.0	49.2	
116 sec-Butylbenzene	105	10.376	10.368	0.008	99	426646	50.0	50.4	
118 4-Isopropyltoluene	119	10.491	10.492	-0.001	97	353944	50.0	49.2	
117 1,3-Dichlorobenzene	146	10.500	10.500	0.000	95	217214	50.0	47.7	
* 119 1,4-Dichlorobenzene-d4	152	10.557	10.557	0.000	98	177871	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.582	10.582	0.000	93	218233	50.0	44.9	
121 Benzyl chloride	91	10.697	10.697	0.000	98	382284	50.0	50.9	
122 2,3-Dihydroindene	117	10.755	10.755	0.000	94	490755	50.0	50.0	
123 p-Diethylbenzene	119	10.796	10.796	0.000	93	195537	50.0	48.4	
124 n-Butylbenzene	91	10.821	10.821	0.000	97	383997	50.0	48.3	
125 1,2-Dichlorobenzene	146	10.878	10.878	0.000	93	227871	50.0	47.3	
126 1,2,4,5-Tetramethylbenzene	119	11.413	11.413	0.000	97	353373	50.0	49.1	
127 1,2-Dibromo-3-Chloropropan	75	11.512	11.512	0.000	96	35843	50.0	49.1	
128 1,3,5-Trichlorobenzene	180	11.619	11.619	0.000	97	123126	50.0	47.7	
130 1,2,4-Trichlorobenzene	180	12.104	12.105	-0.001	94	120528	50.0	49.2	
131 Hexachlorobutadiene	225	12.178	12.187	-0.009	95	45099	50.0	45.3	
132 Naphthalene	128	12.302	12.302	0.000	99	463765	50.0	50.0	
133 1,2,3-Trichlorobenzene	180	12.499	12.500	-0.001	95	111324	50.0	48.5	
S 134 1,2-Dichloroethene, Total	100				0		100.0	98.5	
S 135 Xylenes, Total	100				0		100.0	97.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260SURR250_00116	Amount Added:	1.00	Units: uL	
ACROLEIN W_00049	Amount Added:	10.00	Units: uL	
MIX 2 Hi_00042	Amount Added:	5.00	Units: uL	
MIX I Hi_00054	Amount Added:	5.00	Units: uL	
GAS Hi_00142	Amount Added:	5.00	Units: uL	
8260ISNEW_00059	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 07-Apr-2016 15:52:53 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95820.D

Injection Date: 07-Apr-2016 02:39:30 Instrument ID: CVOAMS2 Operator ID:

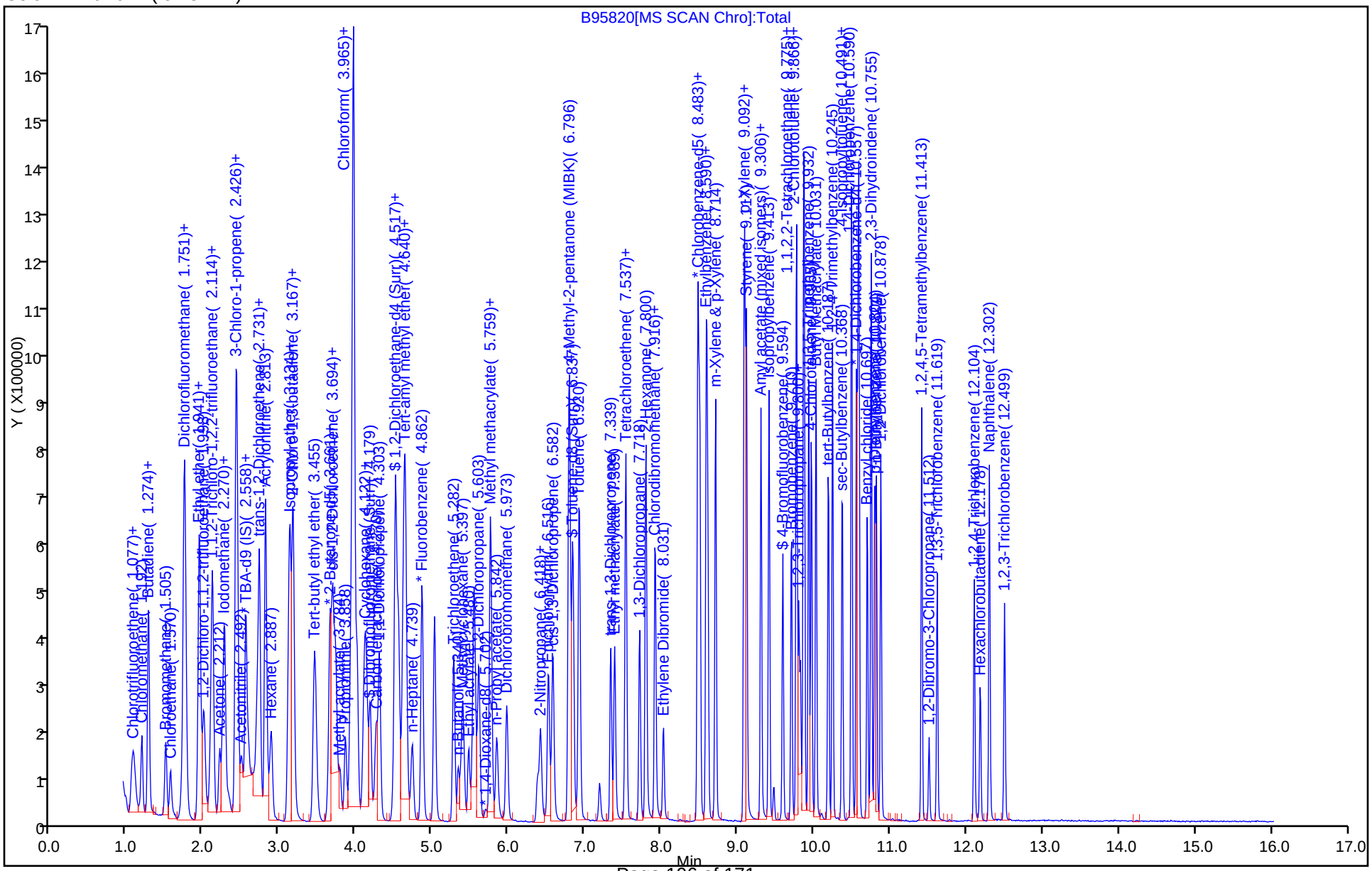
Lims ID: STD50 Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

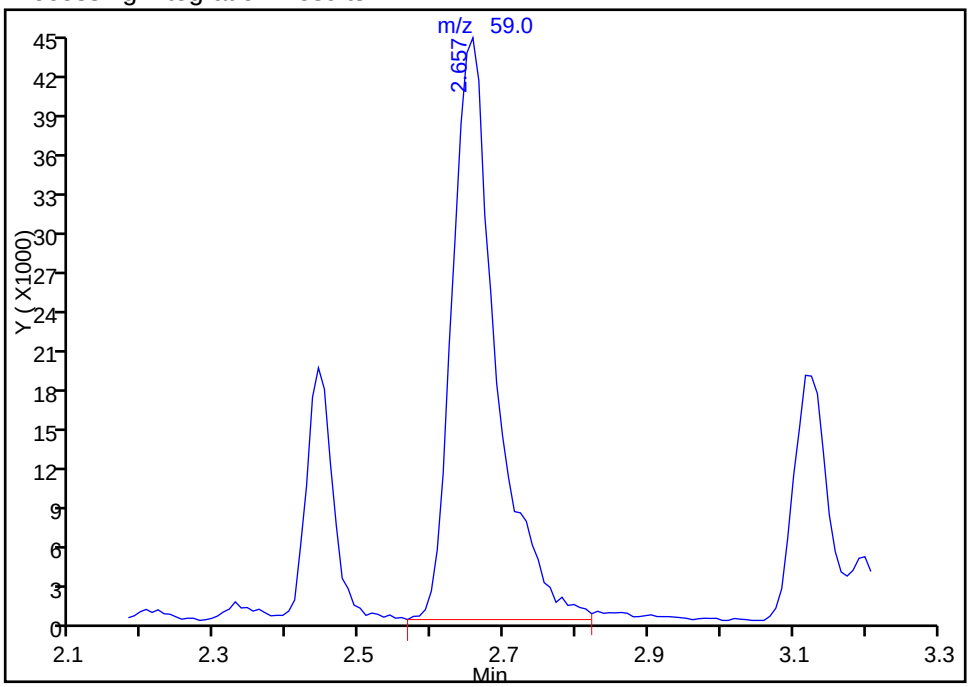
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95820.D
Injection Date: 07-Apr-2016 02:39:30 Instrument ID: CVOAMS2
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

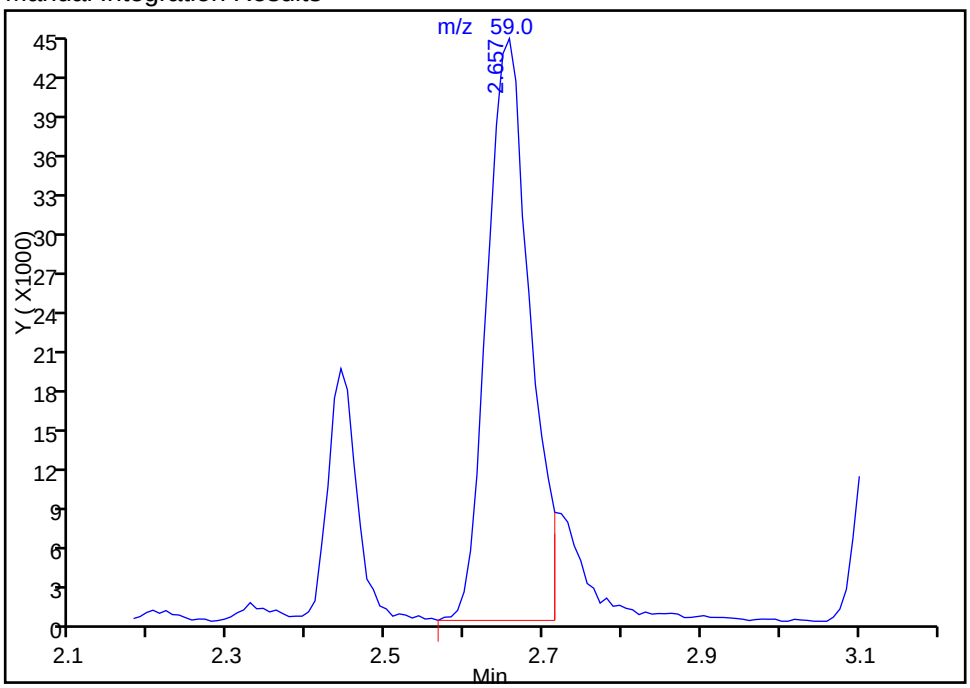
Processing Integration Results

RT: 2.66
Area: 190578
Amount: 455.4309
Amount Units: ug/l



Manual Integration Results

RT: 2.66
Area: 171308
Amount: 444.0236
Amount Units: ug/l



Reviewer: delpolitov, 07-Apr-2016 15:09:40
Audit Action: Split an Integrated Peak
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

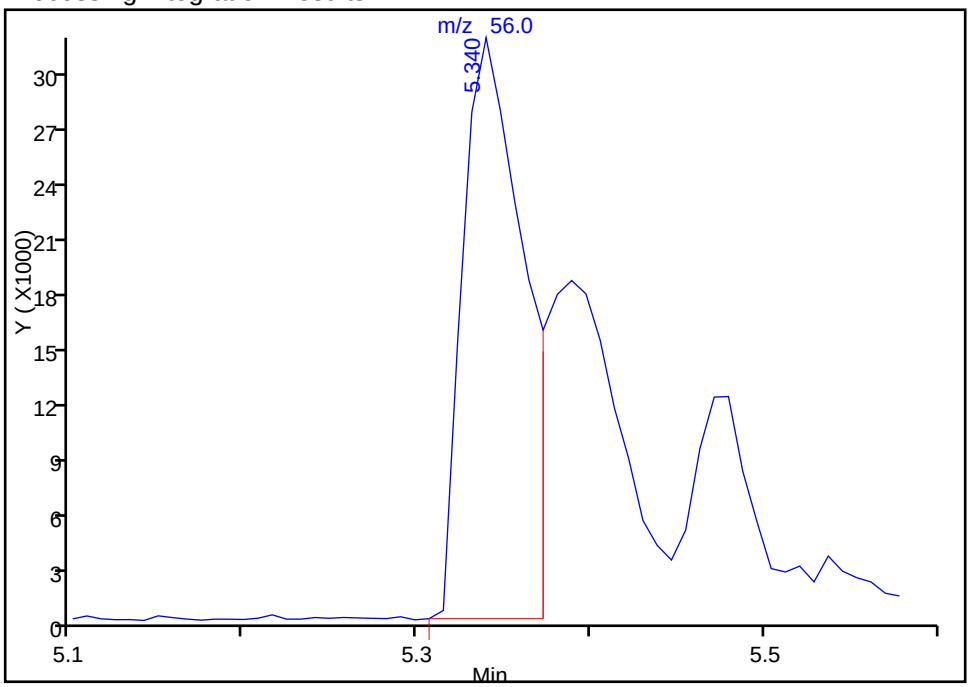
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95820.D
Injection Date: 07-Apr-2016 02:39:30 Instrument ID: CVOAMS2
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

65 n-Butanol, CAS: 71-36-3

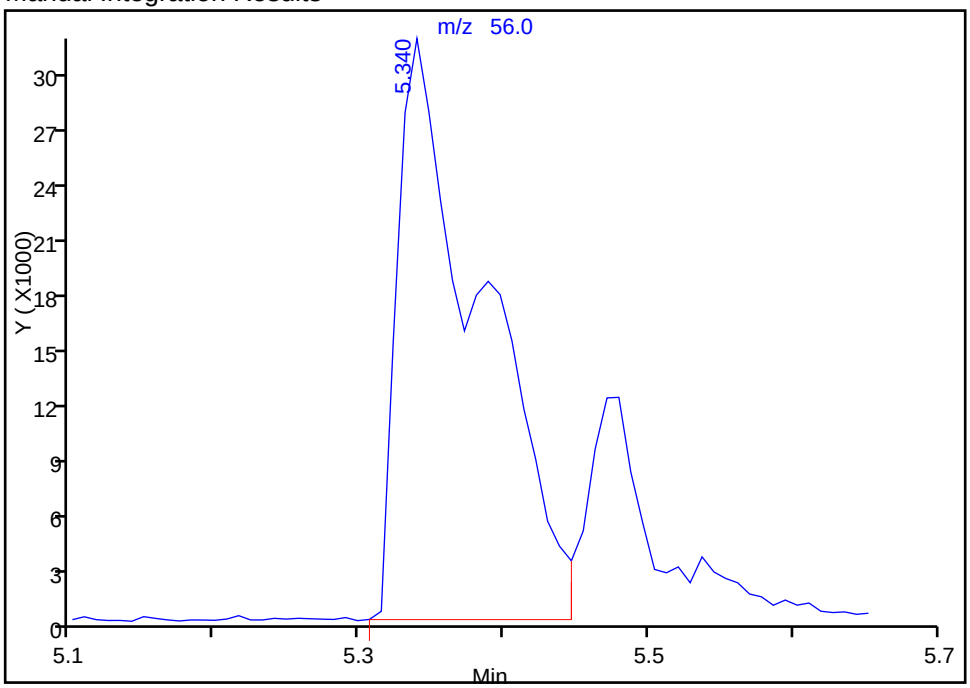
Processing Integration Results

RT: 5.34
Area: 79094
Amount: 936.2875
Amount Units: ug/l



Manual Integration Results

RT: 5.34
Area: 129650
Amount: 1231.5340
Amount Units: ug/l



Reviewer: delpolitov, 07-Apr-2016 15:07:29
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95821.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 07-Apr-2016 03:02:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0039559-008
Operator ID: Instrument ID: CVOAMS2
Sublist: chrom-8260W_2*sub58

Method: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Apr-2016 15:52:56 Calib Date: 07-Apr-2016 03:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: tupayachia Date: 07-Apr-2016 04:32:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.068	1.060	0.008	89	124838	200.0	192.9	
2 Dichlorodifluoromethane	85	1.093	1.085	0.008	99	994241	200.0	192.5	
3 Chloromethane	50	1.208	1.192	0.016	99	731577	200.0	192.4	
4 Vinyl chloride	62	1.291	1.274	0.017	98	705533	200.0	190.6	
5 Butadiene	54	1.291	1.274	0.017	86	583639	200.0	193.0	
6 Bromomethane	94	1.513	1.505	0.008	99	441931	200.0	198.0	
7 Chloroethane	64	1.579	1.562	0.017	100	358181	200.0	182.8	
9 Dichlorofluoromethane	67	1.752	1.735	0.017	99	1343759	200.0	197.2	
10 Trichlorofluoromethane	101	1.752	1.743	0.009	99	988096	200.0	200.0	
8 Pentane	72	1.768	1.752	0.016	96	184510	400.0	412.2	
11 Ethyl ether	59	1.941	1.941	0.000	92	560012	200.0	189.6	
12 Ethanol	46	1.941	1.941	0.000	79	134760	8000.0	8254.5	
13 2-Methyl-1,3-butadiene	53	1.957	1.949	0.008	96	622821	200.0	199.2	
14 1,2-Dichloro-1,1,2-trifluo	117	2.015	2.007	0.008	94	529658	200.0	191.0	
16 1,1,2-Trichloro-1,2,2-trif	101	2.114	2.097	0.017	96	576701	200.0	197.0	
15 Acrolein	56	2.105	2.097	0.008	96	140481	200.0	197.1	
17 1,1-Dichloroethene	96	2.130	2.122	0.008	99	662784	200.0	192.4	
18 Acetone	43	2.212	2.213	-0.001	87	992363	1000.0	894.6	
19 Iodomethane	142	2.262	2.254	0.008	96	1152296	200.0	193.8	
20 Carbon disulfide	76	2.286	2.278	0.008	98	2379967	200.0	204.0	
21 Isopropyl alcohol	45	2.336	2.336	0.000	99	444287	2000.0	1962.8	
22 3-Chloro-1-propene	76	2.426	2.418	0.008	46	421442	200.0	191.3	
23 Cyclopentene	67	2.435	2.427	0.008	91	1700782	200.0	198.3	
24 Methyl acetate	43	2.451	2.443	0.008	100	2655386	1000.0	1013.8	
25 Acetonitrile	41	2.500	2.501	-0.001	99	1037627	2000.0	2139.5	
26 Methylene Chloride	84	2.558	2.550	0.008	93	746349	200.0	186.6	
* 27 TBA-d9 (IS)	65	2.591	2.583	0.008	85	342674	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.657	2.657	0.000	96	718069	2000.0	1783.8	M
29 Methyl tert-butyl ether	73	2.714	2.715	-0.001	97	1948071	200.0	193.0	
30 trans-1,2-Dichloroethene	96	2.739	2.731	0.008	96	688704	200.0	194.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	2.821	2.813	0.008	94	2645765	2000.0	2128.7	
32 Hexane	43	2.887	2.887	0.000	93	312440	200.0	195.8	
34 Isopropyl ether	45	3.126	3.118	0.008	98	2195597	200.0	187.8	
33 1,1-Dichloroethane	63	3.142	3.134	0.008	99	1266009	200.0	192.2	
35 2-Chloro-1,3-butadiene	88	3.184	3.175	0.009	90	622853	200.0	202.5	
36 Vinyl acetate	86	3.175	3.175	0.000	100	257110	400.0	415.5	
38 Tert-butyl ethyl ether	59	3.463	3.455	0.008	89	2104121	200.0	189.6	
39 2,2-Dichloropropane	41	3.661	3.653	0.008	95	508328	200.0	201.6	
* 158 2-Butanone-d5	46	3.669	3.661	0.008	95	362520	250.0	250.0	
40 cis-1,2-Dichloroethene	96	3.694	3.694	0.000	99	725194	200.0	193.0	
41 2-Butanone (MEK)	72	3.727	3.727	0.000	99	417446	1000.0	1009.1	
42 Ethyl acetate	70	3.743	3.743	0.000	97	160316	400.0	415.3	
43 Methyl acrylate	55	3.793	3.793	-0.001	99	635845	200.0	212.8	
44 Propionitrile	54	3.867	3.858	0.009	98	1032762	2000.0	1922.2	
46 Tetrahydrofuran	72	3.924	3.924	0.000	89	190030	400.0	393.3	
45 Chlorobromomethane	128	3.941	3.933	0.008	94	338790	200.0	196.2	
47 Methacrylonitrile	67	3.974	3.965	0.009	91	2955457	2000.0	2030.8	
48 Chloroform	83	4.015	4.007	0.008	99	1143633	200.0	192.9	
49 Cyclohexane	84	4.113	4.114	-0.001	90	721954	200.0	198.1	
50 1,1,1-Trichloroethane	97	4.138	4.130	0.008	99	908400	200.0	193.4	
$ 51 Dibromofluoromethane (Surr	113	4.188	4.188	0.000	62	129465	50.0	50.4	
52 Carbon tetrachloride	117	4.270	4.262	0.008	99	728236	200.0	205.4	
53 1,1-Dichloropropene	75	4.311	4.303	0.008	98	880449	200.0	204.6	
54 Isooctane	57	4.508	4.500	0.008	94	1041364	200.0	199.3	
55 Benzene	78	4.525	4.517	0.008	96	2636212	200.0	192.4	
56 Isobutyl alcohol	43	4.558	4.550	0.008	96	965967	5000.0	5566.7	
$ 57 1,2-Dichloroethane-d4 (Sur	65	4.566	4.558	0.008	90	151144	50.0	49.3	
58 Tert-amyl methyl ether	73	4.632	4.632	0.000	98	2381185	200.0	189.3	
59 Isopropyl acetate	87	4.640	4.640	0.000	98	614681	200.0	189.2	
60 1,2-Dichloroethane	62	4.648	4.640	0.008	97	865601	200.0	188.3	
61 n-Heptane	57	4.739	4.739	0.000	90	215199	200.0	204.1	
* 62 Fluorobenzene	96	4.871	4.863	0.009	98	584016	50.0	50.0	
64 Trichloroethene	95	5.282	5.274	0.008	98	646994	200.0	198.2	
65 n-Butanol	56	5.331	5.348	-0.017	85	641537	5000.0	5840.6	M
66 Methylcyclohexane	83	5.406	5.397	0.009	91	604466	200.0	194.0	
67 Ethyl acrylate	55	5.480	5.480	0.000	98	905170	200.0	215.6	
68 1,2-Dichloropropane	63	5.611	5.603	0.008	95	713491	200.0	203.4	
* 69 1,4-Dioxane-d8	96	5.702	5.694	0.008	89	33825	1000.0	1000.0	
72 Methyl methacrylate	100	5.759	5.760	-0.001	90	361982	400.0	423.8	
71 1,4-Dioxane	88	5.768	5.760	0.008	32	145673	4000.0	3796.4	
70 Dibromomethane	93	5.768	5.768	0.000	96	429733	200.0	201.4	
73 n-Propyl acetate	43	5.842	5.842	0.000	99	1036135	200.0	211.5	
74 Dichlorobromomethane	83	5.982	5.974	0.008	100	874941	200.0	198.2	
75 2-Nitropropane	41	6.385	6.377	0.008	97	364588	400.0	372.6	
76 2-Chloroethyl vinyl ether	63	6.418	6.418	0.000	96	484159	200.0	212.5	
77 Epichlorohydrin	57	6.525	6.525	0.000	99	1529972	4000.0	4286.3	
78 cis-1,3-Dichloropropene	75	6.582	6.574	0.008	91	1145676	200.0	202.4	
79 4-Methyl-2-pentanone (MIBK	43	6.796	6.796	0.000	96	3709103	1000.0	955.3	
$ 80 Toluene-d8 (Surr)	98	6.846	6.838	0.008	93	482465	50.0	48.7	
81 Toluene	91	6.928	6.920	0.008	94	2568681	200.0	193.8	
82 trans-1,3-Dichloropropene	75	7.340	7.340	0.000	96	1009034	200.0	208.0	
83 Ethyl methacrylate	69	7.389	7.389	0.000	90	939070	200.0	196.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Tetrachloroethene	166	7.545	7.537	0.008	96	481046	200.0	197.1	
84 1,1,2-Trichloroethane	83	7.537	7.537	0.000	96	534730	200.0	196.0	
86 1,3-Dichloropropane	76	7.718	7.718	0.000	94	1046868	200.0	200.0	
87 2-Hexanone	43	7.800	7.801	0.000	96	2458591	1000.0	1016.8	
88 Chlorodibromomethane	129	7.924	7.916	0.008	72	618969	200.0	209.1	
89 n-Butyl acetate	73	7.924	7.924	0.000	99	188012	200.0	193.5	
90 Ethylene Dibromide	107	8.031	8.031	0.000	98	609656	200.0	205.1	
* 91 Chlorobenzene-d5	117	8.483	8.475	0.008	86	427647	50.0	50.0	
92 Chlorobenzene	112	8.508	8.508	0.000	93	1608304	200.0	198.8	
93 Ethylbenzene	106	8.590	8.591	-0.001	99	827385	200.0	191.6	
94 1,1,1,2-Tetrachloroethane	131	8.615	8.607	0.008	96	604085	200.0	196.7	
95 m-Xylene & p-Xylene	106	8.714	8.714	0.000	98	1006382	200.0	196.7	
96 o-Xylene	106	9.084	9.084	0.000	93	1054052	200.0	193.4	
97 n-Butyl acrylate	73	9.101	9.101	0.000	97	608237	200.0	201.1	
98 Styrene	104	9.117	9.117	0.000	93	1795242	200.0	204.1	
100 Amyl acetate (mixed isomer	43	9.306	9.307	-0.001	90	1428889	200.0	207.1	
99 Bromoform	173	9.306	9.307	-0.001	53	362709	200.0	215.8	
101 Isopropylbenzene	105	9.413	9.414	-0.001	96	2223893	200.0	196.8	
$ 102 4-Bromofluorobenzene	174	9.594	9.595	-0.001	85	124611	50.0	49.5	
104 Bromobenzene	156	9.710	9.710	0.000	96	599533	200.0	203.6	
105 1,1,2,2-Tetrachloroethane	83	9.776	9.767	0.009	62	906510	200.0	202.4	
106 N-Propylbenzene	91	9.776	9.776	0.000	99	2502928	200.0	208.2	
107 1,2,3-Trichloropropane	110	9.800	9.800	0.000	99	227206	200.0	197.6	
108 trans-1,4-Dichloro-2-buten	53	9.825	9.825	0.000	86	236805	200.0	209.5	
109 2-Chlorotoluene	91	9.866	9.866	0.000	96	1987205	200.0	206.5	
110 4-Ethyltoluene	105	9.874	9.874	0.000	97	2118378	200.0	205.2	
111 1,3,5-Trimethylbenzene	105	9.932	9.932	0.000	94	1848139	200.0	211.1	
112 4-Chlorotoluene	91	9.973	9.965	0.008	98	1810626	200.0	203.3	
113 Butyl Methacrylate	87	10.031	10.031	0.000	89	992881	200.0	203.6	
114 tert-Butylbenzene	119	10.195	10.187	0.008	93	1339018	200.0	209.5	
115 1,2,4-Trimethylbenzene	105	10.245	10.245	0.000	98	1942536	200.0	203.7	
116 sec-Butylbenzene	105	10.376	10.368	0.008	99	1877296	200.0	206.2	
118 4-Isopropyltoluene	119	10.491	10.492	-0.001	97	1615414	200.0	208.8	
117 1,3-Dichlorobenzene	146	10.500	10.500	0.000	95	979829	200.0	199.9	
* 119 1,4-Dichlorobenzene-d4	152	10.557	10.557	0.000	97	191361	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.582	10.582	0.000	93	1021975	200.0	195.5	
121 Benzyl chloride	91	10.697	10.697	0.000	98	1784342	200.0	220.9	
122 2,3-Dihydroindene	117	10.755	10.755	0.000	94	2152618	200.0	203.7	
123 p-Diethylbenzene	119	10.796	10.796	0.000	92	883918	200.0	203.2	
124 n-Butylbenzene	91	10.821	10.821	0.000	98	1685412	200.0	197.2	
125 1,2-Dichlorobenzene	146	10.878	10.878	0.000	94	1033958	200.0	199.3	
126 1,2,4,5-Tetramethylbenzene	119	11.413	11.413	0.000	97	1587421	200.0	205.2	
127 1,2-Dibromo-3-Chloropropan	75	11.512	11.512	0.000	97	160132	200.0	203.9	
128 1,3,5-Trichlorobenzene	180	11.619	11.619	0.000	97	544982	200.0	196.3	
130 1,2,4-Trichlorobenzene	180	12.105	12.105	-0.001	94	531272	200.0	201.5	
131 Hexachlorobutadiene	225	12.187	12.187	0.000	96	205608	200.0	191.8	
132 Naphthalene	128	12.302	12.302	0.000	99	2012744	200.0	201.7	
133 1,2,3-Trichlorobenzene	180	12.500	12.500	0.000	96	489232	200.0	198.2	
S 134 1,2-Dichloroethene, Total	100				0		400.0	387.4	
S 135 Xylenes, Total	100				0		400.0	390.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260SURR250_00116	Amount Added: 1.00	Units: uL	
ACROLEIN W_00049	Amount Added: 20.00	Units: uL	
MIX 2 Hi_00042	Amount Added: 20.00	Units: uL	
MIX I Hi_00054	Amount Added: 20.00	Units: uL	
GAS Hi_00142	Amount Added: 20.00	Units: uL	
8260ISNEW_00059	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 07-Apr-2016 15:52:58 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95821.D

Injection Date: 07-Apr-2016 03:02:30 Instrument ID: CVOAMS2 Operator ID:

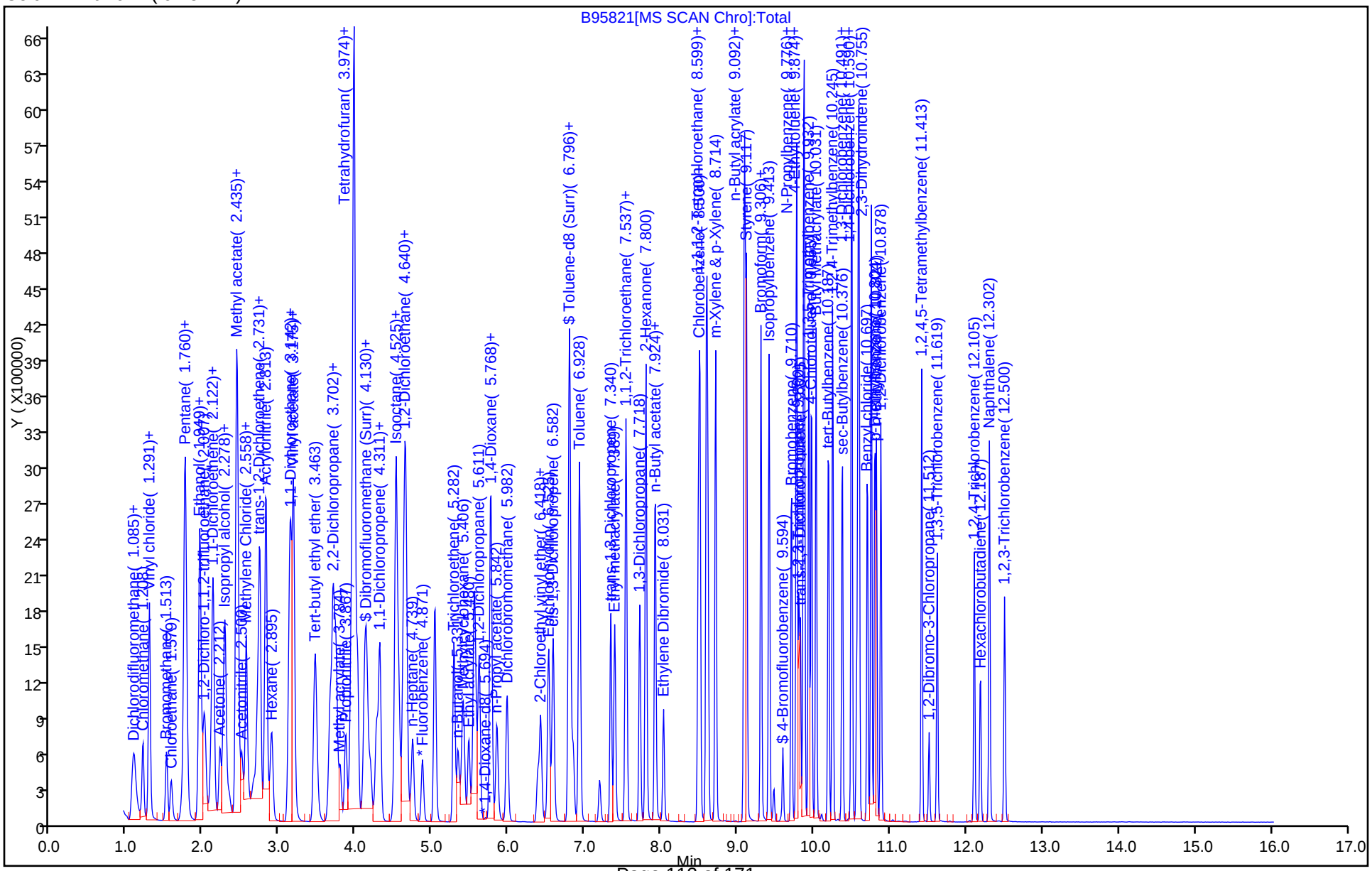
Lims ID: STD200 Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

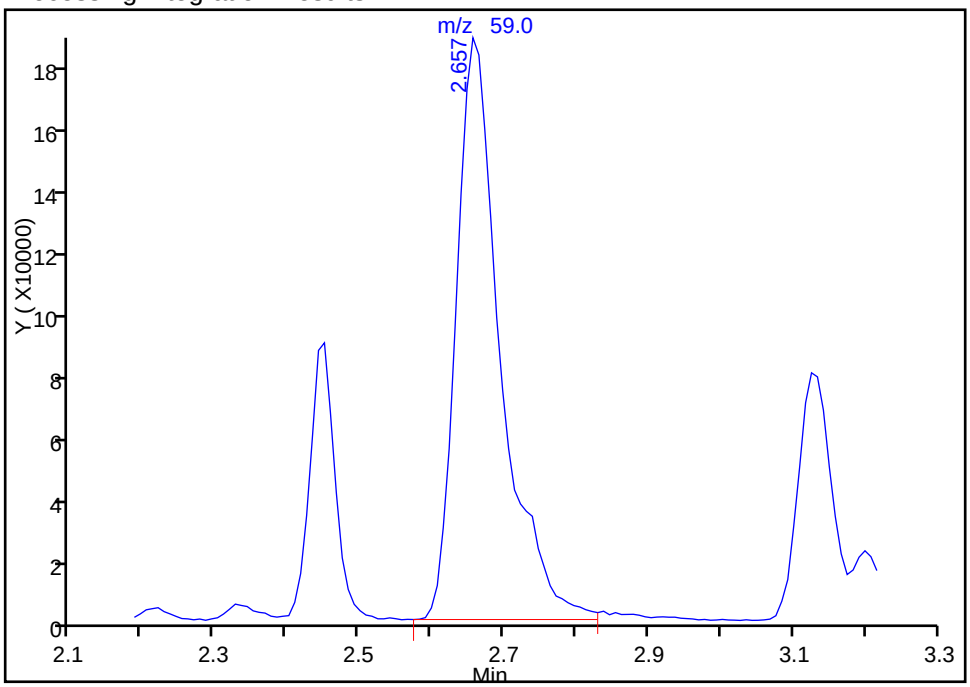
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95821.D
Injection Date: 07-Apr-2016 03:02:30 Instrument ID: CVOAMS2
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

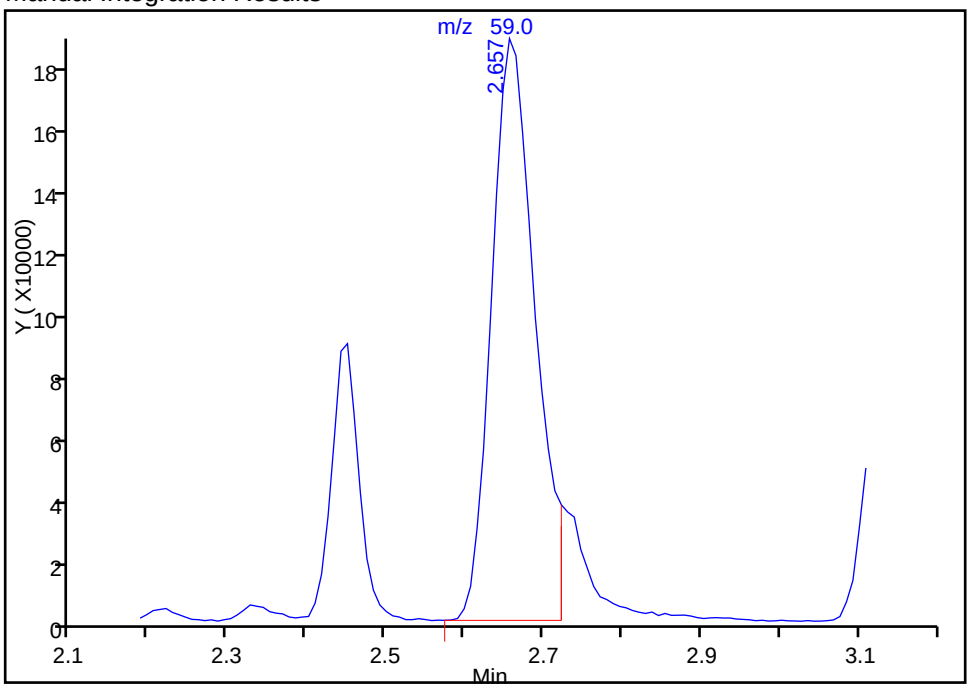
Processing Integration Results

RT: 2.66
Area: 794122
Amount: 1796.4992
Amount Units: ug/l



Manual Integration Results

RT: 2.66
Area: 718069
Amount: 1783.8359
Amount Units: ug/l



Reviewer: delpolitov, 07-Apr-2016 15:09:31
Audit Action: Split an Integrated Peak
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

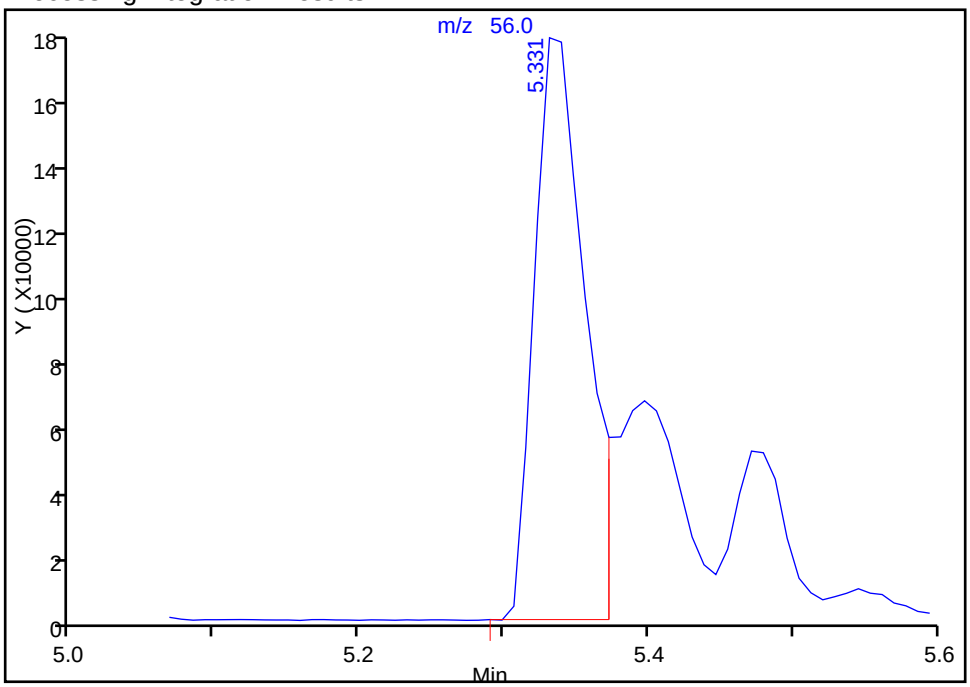
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95821.D
Injection Date: 07-Apr-2016 03:02:30 Instrument ID: CVOAMS2
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

65 n-Butanol, CAS: 71-36-3

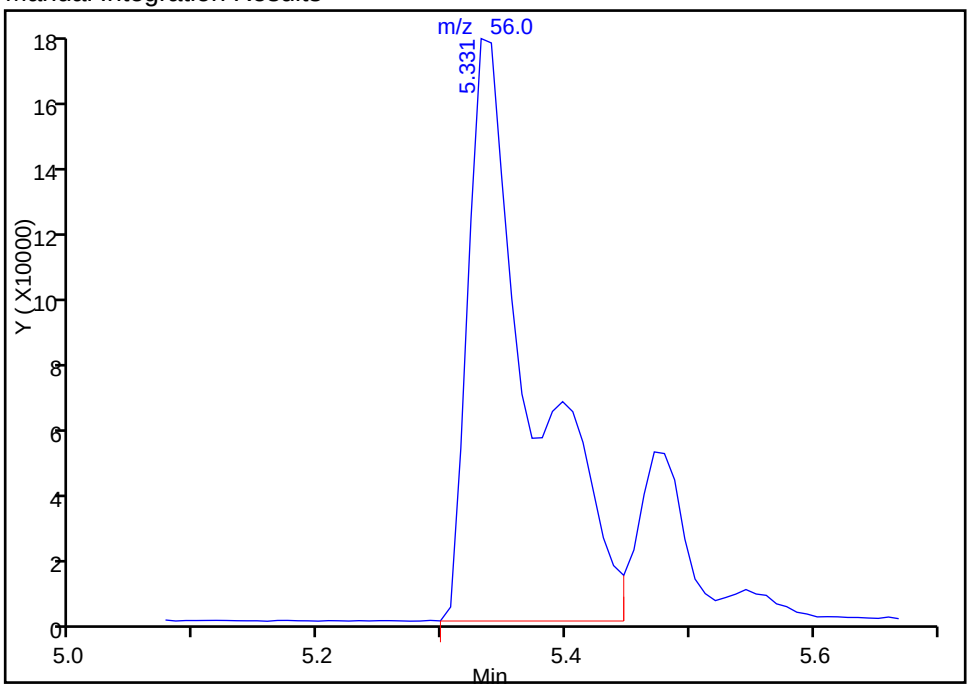
Processing Integration Results

RT: 5.33
Area: 441678
Amount: 4690.2884
Amount Units: ug/l



Manual Integration Results

RT: 5.33
Area: 641537
Amount: 5840.5793
Amount Units: ug/l



Reviewer: delpolitov, 07-Apr-2016 15:09:02
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 07-Apr-2016 03:27:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0039559-009
Operator ID: Instrument ID: CVOAMS2
Sublist: chrom-8260W_2*sub58

Method: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Apr-2016 15:54:15 Calib Date: 07-Apr-2016 03:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: tupayachia Date: 07-Apr-2016 04:32:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.077	1.060	0.017	88	304154	500.0	437.9	
2 Dichlorodifluoromethane	85	1.093	1.085	0.008	99	2465182	500.0	444.8	
3 Chloromethane	50	1.209	1.192	0.017	99	1833767	500.0	449.3	
4 Vinyl chloride	62	1.299	1.274	0.025	99	1694596	500.0	426.5	
5 Butadiene	54	1.291	1.274	0.017	92	1378343	500.0	424.7	
6 Bromomethane	94	1.521	1.505	0.016	99	943811	500.0	505.9	
7 Chloroethane	64	1.579	1.562	0.017	100	809588	500.0	384.9	
9 Dichlorofluoromethane	67	1.752	1.735	0.017	99	3147290	500.0	430.3	
10 Trichlorofluoromethane	101	1.760	1.743	0.017	99	2373819	500.0	447.8	
8 Pentane	72	1.776	1.752	0.024	95	449155	1000.0	934.9	
11 Ethyl ether	59	1.941	1.941	0.000	93	1372346	500.0	433.0	
12 Ethanol	46	1.941	1.941	0.000	79	348059	20000	20419	
13 2-Methyl-1,3-butadiene	53	1.957	1.949	0.008	96	1526765	500.0	455.0	
14 1,2-Dichloro-1,1,2-trifluo	117	2.015	2.007	0.008	94	1305916	500.0	438.9	
16 1,1,2-Trichloro-1,2,2-trif	101	2.114	2.097	0.017	96	1415756	500.0	450.6	
15 Acrolein	56	2.106	2.097	0.009	92	295466	400.0	396.2	
17 1,1-Dichloroethene	96	2.130	2.122	0.008	99	1636827	500.0	442.7	
18 Acetone	43	2.221	2.213	0.008	87	2550864	2500.0	2208.1	
19 Iodomethane	142	2.262	2.254	0.008	97	2884801	500.0	452.0	
20 Carbon disulfide	76	2.287	2.278	0.009	99	5764701	500.0	460.4	
21 Isopropyl alcohol	45	2.336	2.336	0.000	99	1146391	5000.0	4840.5	
22 3-Chloro-1-propene	76	2.427	2.418	0.009	47	1021086	500.0	431.8	
23 Cyclopentene	67	2.443	2.427	0.016	95	4178853	500.0	453.9	
24 Methyl acetate	43	2.451	2.443	0.008	99	6307251	2500.0	2243.6	
25 Acetonitrile	41	2.501	2.501	0.000	97	2561018	5000.0	4920.0	
26 Methylene Chloride	84	2.566	2.550	0.016	93	1868300	500.0	435.3	
* 27 TBA-d9 (IS)	65	2.599	2.583	0.016	85	358536	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.665	2.657	0.008	98	1871408	5000.0	4443.3	M
29 Methyl tert-butyl ether	73	2.715	2.715	0.000	96	4835313	500.0	446.4	
30 trans-1,2-Dichloroethene	96	2.739	2.731	0.008	95	1705534	500.0	448.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	2.822	2.813	0.009	92	6337463	5000.0	4750.7	
32 Hexane	43	2.896	2.887	0.009	93	766541	500.0	447.6	
34 Isopropyl ether	45	3.134	3.118	0.016	96	5354197	500.0	426.8	
33 1,1-Dichloroethane	63	3.143	3.134	0.009	99	3113566	500.0	440.4	
35 2-Chloro-1,3-butadiene	88	3.184	3.175	0.009	90	1582957	500.0	479.6	
36 Vinyl acetate	86	3.175	3.175	0.000	100	642283	1000.0	967.2	
38 Tert-butyl ethyl ether	59	3.464	3.455	0.009	89	5238900	500.0	439.9	
39 2,2-Dichloropropane	41	3.661	3.653	0.008	94	1214412	500.0	499.4	
* 158 2-Butanone-d5	46	3.669	3.661	0.008	31	377553	250.0	250.0	
40 cis-1,2-Dichloroethene	96	3.702	3.694	0.008	98	1861366	500.0	461.6	
41 2-Butanone (MEK)	72	3.727	3.727	0.000	100	1068083	2500.0	2479.1	
42 Ethyl acetate	70	3.743	3.743	0.000	97	421196	1000.0	1051.4	
43 Methyl acrylate	55	3.793	3.793	0.000	100	1743034	500.0	543.4	
44 Propionitrile	54	3.867	3.858	0.009	98	2676355	5000.0	4760.9	
46 Tetrahydrofuran	72	3.924	3.924	0.000	91	494697	1000.0	986.0	
45 Chlorobromomethane	128	3.941	3.933	0.008	91	876732	500.0	472.9	
47 Methacrylonitrile	67	3.982	3.965	0.017	85	6915785	5000.0	4427.7	
48 Chloroform	83	4.023	4.007	0.016	99	2865181	500.0	450.3	
49 Cyclohexane	84	4.122	4.114	0.008	89	1804751	500.0	461.4	
50 1,1,1-Trichloroethane	97	4.147	4.130	0.017	99	2278687	500.0	452.0	
$ 51 Dibromofluoromethane (Surr	113	4.196	4.188	0.008	68	136021	50.0	49.3	
52 Carbon tetrachloride	117	4.270	4.262	0.008	99	1848833	500.0	485.8	
53 1,1-Dichloropropene	75	4.311	4.303	0.008	98	2224708	500.0	481.6	
54 Isooctane	57	4.517	4.500	0.017	95	2715534	500.0	484.1	
55 Benzene	78	4.525	4.517	0.008	98	6379151	500.0	427.8	
56 Isobutyl alcohol	43	4.558	4.550	0.008	96	2619430	12500	14428	
$ 57 1,2-Dichloroethane-d4 (Sur	65	4.566	4.558	0.008	86	167650	50.0	50.9	
58 Tert-amyl methyl ether	73	4.632	4.632	0.000	97	5936530	500.0	439.8	
59 Isopropyl acetate	87	4.649	4.640	0.009	99	1571770	500.0	450.9	
60 1,2-Dichloroethane	62	4.649	4.640	0.009	97	2213647	500.0	448.7	
61 n-Heptane	57	4.739	4.739	0.000	90	563559	500.0	498.6	
* 62 Fluorobenzene	96	4.871	4.863	0.009	98	626818	50.0	50.0	
64 Trichloroethene	95	5.282	5.274	0.008	98	1674189	500.0	477.8	
65 n-Butanol	56	5.340	5.348	-0.008	87	1770806	12500	15408	M
66 Methylcyclohexane	83	5.406	5.397	0.009	92	1554708	500.0	465.0	
67 Ethyl acrylate	55	5.480	5.480	0.000	98	2539373	500.0	486.5	
68 1,2-Dichloropropane	63	5.620	5.603	0.017	94	1842406	500.0	489.3	
* 69 1,4-Dioxane-d8	96	5.710	5.694	0.016	90	41956	1000.0	1000.0	
72 Methyl methacrylate	100	5.768	5.760	0.008	89	962976	1000.0	1050.4	
71 1,4-Dioxane	88	5.768	5.760	0.008	31	398001	10000	8362.2	
70 Dibromomethane	93	5.776	5.768	0.008	96	1121314	500.0	489.6	
73 n-Propyl acetate	43	5.850	5.842	0.008	98	2720778	500.0	517.5	
74 Dichlorobromomethane	83	5.982	5.974	0.008	100	2321237	500.0	489.9	
75 2-Nitropropane	41	6.385	6.377	0.008	97	963871	1000.0	917.7	
76 2-Chloroethyl vinyl ether	63	6.426	6.418	0.008	97	1293177	500.0	528.7	
77 Epichlorohydrin	57	6.533	6.525	0.008	100	3967012	10000	10671	
78 cis-1,3-Dichloropropene	75	6.583	6.574	0.009	91	2997016	500.0	486.5	
79 4-Methyl-2-pentanone (MIBK	43	6.805	6.796	0.009	93	8358866	2500.0	2067.2	
$ 80 Toluene-d8 (Surr)	98	6.846	6.838	0.008	98	516625	50.0	48.0	
81 Toluene	91	6.928	6.920	0.008	96	6184118	500.0	428.6	
82 trans-1,3-Dichloropropene	75	7.340	7.340	0.000	96	2671477	500.0	505.9	
83 Ethyl methacrylate	69	7.389	7.389	0.000	90	2461763	500.0	473.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Tetrachloroethene	166	7.545	7.537	0.008	96	1255662	500.0	472.6	
84 1,1,2-Trichloroethane	83	7.537	7.537	0.000	97	1412413	500.0	475.7	
86 1,3-Dichloropropane	76	7.718	7.718	0.000	94	2749901	500.0	482.6	
87 2-Hexanone	43	7.801	7.801	0.001	92	5780151	2500.0	2295.4	
88 Chlorodibromomethane	129	7.924	7.916	0.008	74	1664947	500.0	516.6	
89 n-Butyl acetate	73	7.924	7.924	0.000	99	516679	500.0	488.6	
90 Ethylene Dibromide	107	8.031	8.031	0.000	99	1615315	500.0	499.3	
* 91 Chlorobenzene-d5	117	8.484	8.475	0.009	87	465519	50.0	50.0	
92 Chlorobenzene	112	8.508	8.508	0.000	92	4055921	500.0	460.6	
93 Ethylbenzene	106	8.599	8.591	0.008	97	2145331	500.0	456.4	
94 1,1,1,2-Tetrachloroethane	131	8.615	8.607	0.008	97	1579013	500.0	472.2	
95 m-Xylene & p-Xylene	106	8.714	8.714	0.000	96	2582356	500.0	463.6	
96 o-Xylene	106	9.093	9.084	0.009	96	2666049	500.0	449.3	
97 n-Butyl acrylate	73	9.101	9.101	0.000	100	1613595	500.0	490.2	
98 Styrene	104	9.117	9.117	0.000	90	4325365	500.0	451.7	
100 Amyl acetate (mixed isomer	43	9.307	9.307	0.000	92	3582439	500.0	465.0	
99 Bromoform	173	9.307	9.307	0.000	55	993350	500.0	542.9	
101 Isopropylbenzene	105	9.414	9.414	0.000	98	5099210	500.0	414.6	
$ 102 4-Bromofluorobenzene	174	9.595	9.595	0.000	84	137445	50.0	50.1	
104 Bromobenzene	156	9.710	9.710	0.000	98	1610317	500.0	489.8	
105 1,1,2,2-Tetrachloroethane	83	9.776	9.767	0.009	99	2354153	500.0	470.7	
106 N-Propylbenzene	91	9.776	9.776	0.000	97	5477540	500.0	408.1	
107 1,2,3-Trichloropropane	110	9.809	9.800	0.009	98	611776	500.0	476.5	
108 trans-1,4-Dichloro-2-buten	53	9.825	9.825	0.000	93	642748	500.0	509.3	
109 2-Chlorotoluene	91	9.866	9.866	0.000	97	4727427	500.0	439.9	
110 4-Ethyltoluene	105	9.874	9.874	0.000	97	4976428	500.0	431.8	
111 1,3,5-Trimethylbenzene	105	9.932	9.932	0.000	94	4282732	500.0	438.2	
112 4-Chlorotoluene	91	9.973	9.965	0.008	97	4316979	500.0	434.1	
113 Butyl Methacrylate	87	10.031	10.031	0.000	89	2595187	500.0	476.6	
114 tert-Butylbenzene	119	10.195	10.187	0.008	92	3386011	500.0	474.5	
115 1,2,4-Trimethylbenzene	105	10.245	10.245	0.000	97	4459299	500.0	418.9	
116 sec-Butylbenzene	105	10.376	10.368	0.008	97	4465212	500.0	439.2	
118 4-Isopropyltoluene	119	10.492	10.492	0.000	96	3939886	500.0	456.2	
117 1,3-Dichlorobenzene	146	10.500	10.500	0.000	93	2580897	500.0	471.5	
* 119 1,4-Dichlorobenzene-d4	152	10.566	10.557	0.009	95	213643	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.582	10.582	0.000	92	2643757	500.0	452.9	
121 Benzyl chloride	91	10.706	10.697	0.009	99	4255118	500.0	471.8	
122 2,3-Dihydroindene	117	10.755	10.755	0.000	96	4860081	500.0	412.0	
123 p-Diethylbenzene	119	10.804	10.796	0.008	92	2300689	500.0	473.8	
124 n-Butylbenzene	91	10.821	10.821	0.000	96	4252042	500.0	445.5	
125 1,2-Dichlorobenzene	146	10.878	10.878	0.000	97	2701910	500.0	466.5	
126 1,2,4,5-Tetramethylbenzene	119	11.413	11.413	0.000	98	3875378	500.0	448.6	
127 1,2-Dibromo-3-Chloropropan	75	11.512	11.512	0.000	99	426536	500.0	486.5	
128 1,3,5-Trichlorobenzene	180	11.619	11.619	0.000	97	1469749	500.0	474.2	
130 1,2,4-Trichlorobenzene	180	12.105	12.105	0.000	94	1419969	500.0	482.3	
131 Hexachlorobutadiene	225	12.187	12.187	0.000	96	567037	500.0	473.8	
132 Naphthalene	128	12.302	12.302	0.000	97	4695662	500.0	421.5	
133 1,2,3-Trichlorobenzene	180	12.500	12.500	0.000	95	1281530	500.0	465.0	
S 134 1,2-Dichloroethene, Total	100				0		1000.0	910.0	
S 135 Xylenes, Total	100				0		1000.0	912.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260SURR250_00116	Amount Added:	1.00	Units: uL	
ACROLEIN W_00049	Amount Added:	40.00	Units: uL	
MIX 2 Hi_00042	Amount Added:	50.00	Units: uL	
MIX I Hi_00054	Amount Added:	50.00	Units: uL	
GAS Hi_00142	Amount Added:	50.00	Units: uL	
8260ISNEW_00059	Amount Added:	1.00	Units: uL	Run Reagent

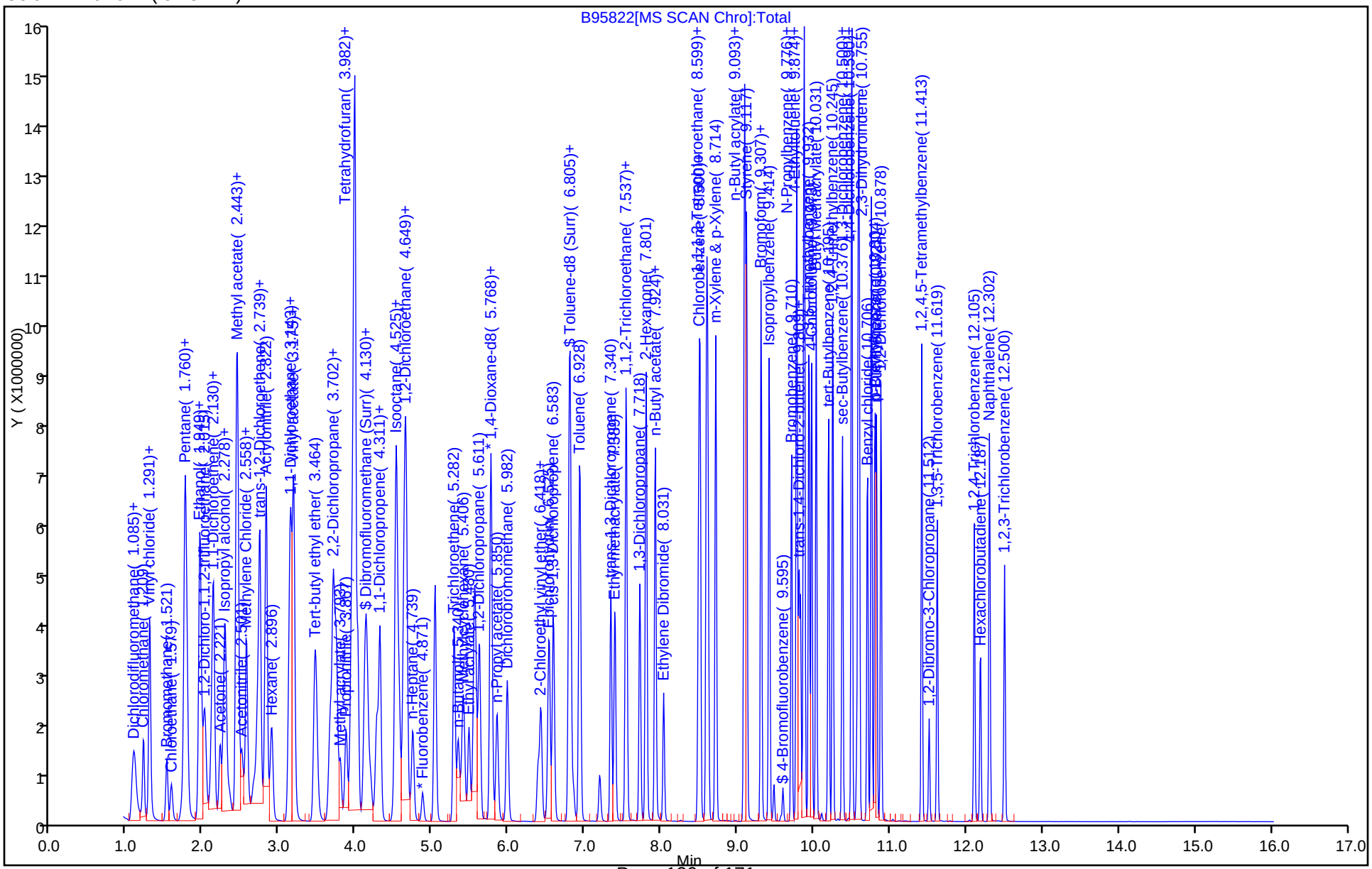
Report Date: 07-Apr-2016 15:54:15 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D

Injection Date:	07-Apr-2016 03:27:30	Instrument ID:	CVOAMS2	Operator ID:	
Lims ID:	STD500			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

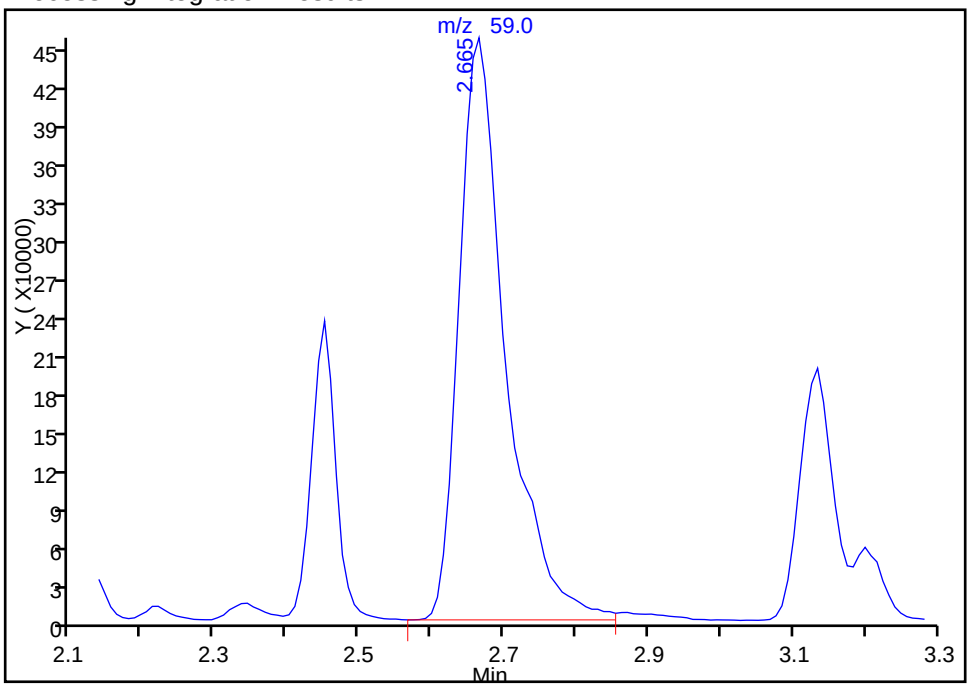
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D
Injection Date: 07-Apr-2016 03:27:30 Instrument ID: CVOAMS2
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

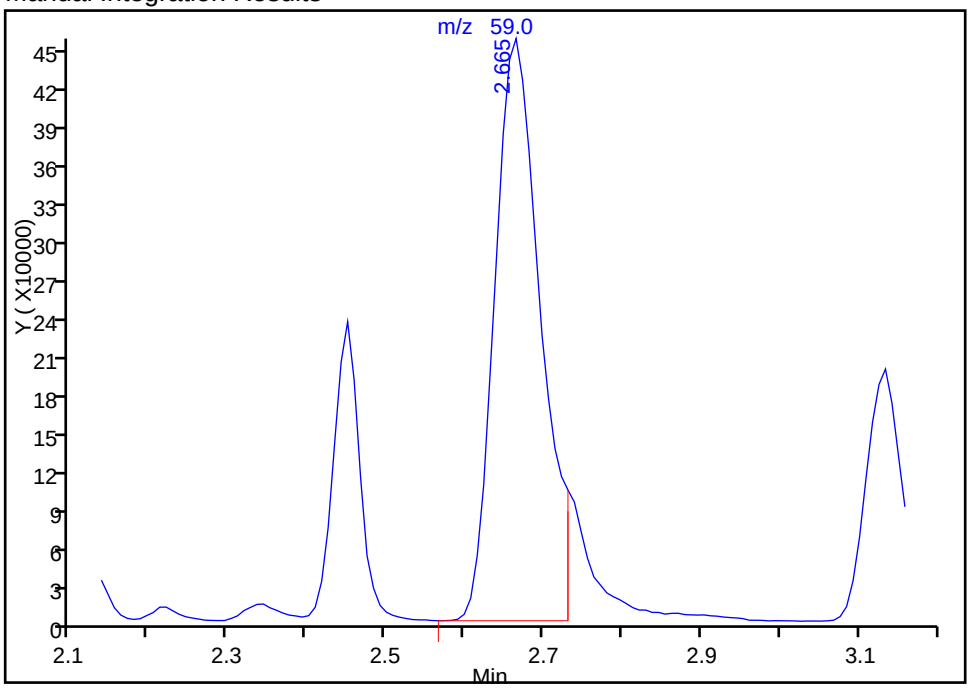
Processing Integration Results

RT: 2.67
Area: 2065204
Amount: 4581.1384
Amount Units: ug/l



Manual Integration Results

RT: 2.67
Area: 1871408
Amount: 4443.2995
Amount Units: ug/l



Reviewer: delpolitov, 07-Apr-2016 15:10:46
Audit Action: Split an Integrated Peak
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

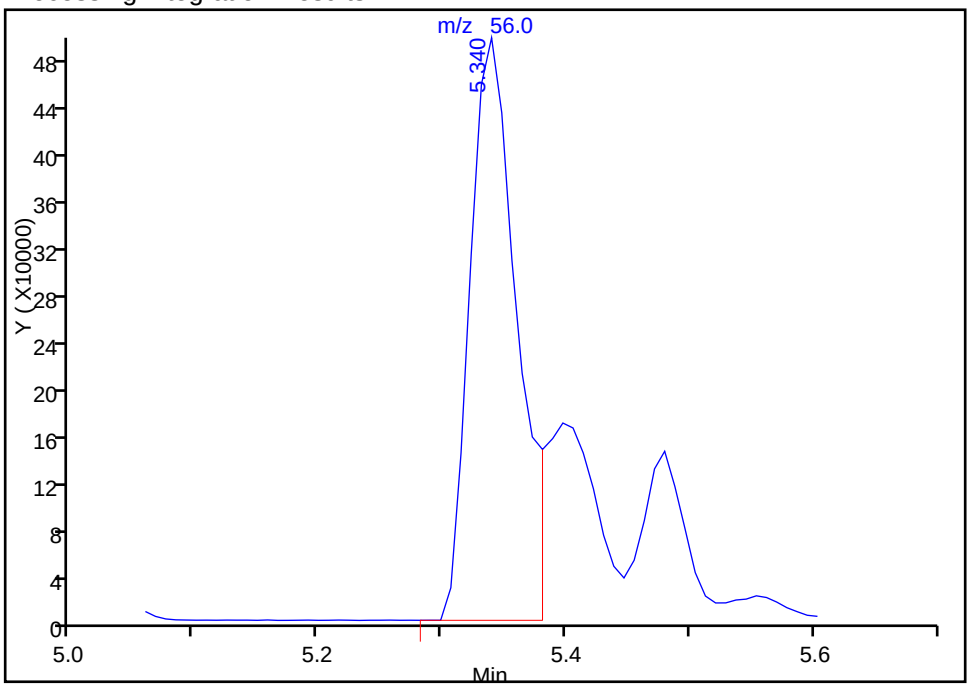
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D
Injection Date: 07-Apr-2016 03:27:30 Instrument ID: CVOAMS2
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

65 n-Butanol, CAS: 71-36-3

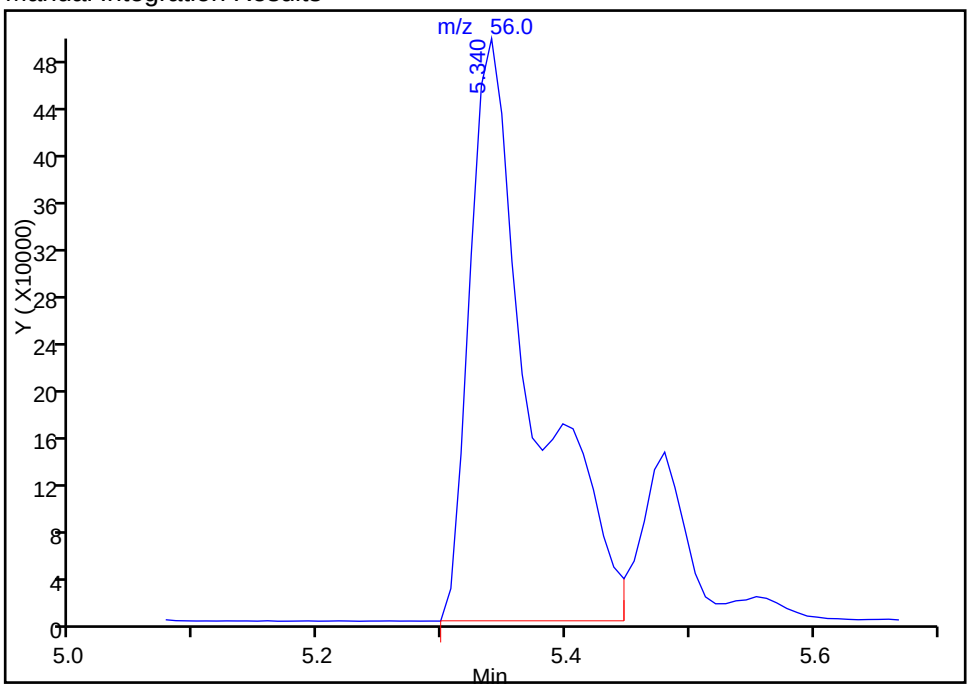
Processing Integration Results

RT: 5.34
Area: 1329696
Amount: 12724
Amount Units: ug/l



Manual Integration Results

RT: 5.34
Area: 1770806
Amount: 15408
Amount Units: ug/l



Reviewer: delpolitov, 07-Apr-2016 15:10:46
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Lab Sample ID: CCVIS 460-361444/2 Calibration Date: 04/08/2016 07:36

Instrument ID: CVOAMS2 Calib Start Date: 04/07/2016 00:39

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/07/2016 03:27

Lab File ID: B95885.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.0554	0.0503		16.8	20.0	-9.3	20.0
Dichlorodifluoromethane	Ave	0.4421	0.3526	0.1000	16.7	20.0	-20.2*	20.0
Chloromethane	Ave	0.3256	0.2809	0.1000	16.8	20.0	-13.7	20.0
Butadiene	Ave	0.2589	0.2239		17.0	20.0	-13.5	20.0
Vinyl chloride	Ave	0.3169	0.2810	0.1000	17.7	20.0	-11.3	20.0
Bromomethane	Qua2		0.1535	0.1000	14.5	20.0	-27.6	50.0
Chloroethane	Ave	0.1678	0.1264	0.1000	14.6	20.0	-24.7	50.0
Dichlorofluoromethane	Ave	0.5835	0.5749		19.4	20.0	-1.5	20.0
Trichlorofluoromethane	Ave	0.4229	0.4050	0.1000	19.0	20.0	-4.2	20.0
Pentane	Ave	0.0383	0.0346		36.1	40.0	-9.8	20.0
Ethyl ether	Ave	0.2528	0.2466		19.5	20.0	-2.5	20.0
2-Methyl-1,3-butadiene	Ave	0.2677	0.2424		17.6	20.0	-9.4	20.0
Ethanol	Lin2		0.0528		882	800	10.2	50.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2374	0.2356		19.6	20.0	-0.7	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2506	0.2347	0.1000	18.6	20.0	-6.4	20.0
Acrolein	Ave	2.080	2.002		35.8	40.0	-3.7	50.0
1,1-Dichloroethene	Ave	0.2949	0.2744	0.1000	18.5	20.0	-7.0	20.0
Acetone	Ave	0.7650	0.6314	0.0500	90.0	100	-17.5	50.0
Iodomethane	Ave	0.5091	0.4733		18.5	20.0	-7.0	20.0
Carbon disulfide	Ave	0.999	0.7496	0.1000	15.0	20.0	-25.0	50.0
Isopropyl alcohol	Ave	0.6606	0.5850		196	200	-11.4	50.0
Allyl chloride	Ave	0.1886	0.1662		17.7	20.0	-11.9	20.0
Cyclopentene	Ave	0.7344	0.6887		18.8	20.0	-6.2	20.0
Methyl acetate	Ave	0.2242	0.2322	0.1000	102	100	3.5	20.0
Acetonitrile	Ave	0.0415	0.0389		191	200	-6.3	20.0
Methylene Chloride	Ave	0.3424	0.3246	0.1000	18.7	20.0	-5.2	20.0
2-Methyl-2-propanol	Ave	1.175	1.140		181	200	-3.0	50.0
Methyl tert-butyl ether	Ave	0.8641	0.8330	0.1000	19.1	20.0	-3.6	20.0
trans-1,2-Dichloroethene	Ave	0.3033	0.2916	0.1000	19.3	20.0	-3.9	20.0
Acrylonitrile	Ave	0.1064	0.1158		190	200	8.9	20.0
Hexane	Ave	0.1366	0.1219		17.6	20.0	-10.8	20.0
Isopropyl ether	Ave	1.001	0.9443		18.7	20.0	-5.6	20.0
1,1-Dichloroethane	Ave	0.5640	0.5322	0.2000	18.9	20.0	-5.6	20.0
Vinyl acetate	Ave	0.0530	0.0487		36.7	40.0	-8.2	20.0
2-Chloro-1,3-butadiene	Ave	0.2633	0.2371		18.2	20.0	-9.9	20.0
Tert-butyl ethyl ether	Ave	0.9501	0.9080		19.1	20.0	-4.4	20.0
2,2-Dichloropropane	Qua2		0.2109		18.2	20.0	-9.0	20.0
cis-1,2-Dichloroethene	Ave	0.3217	0.3183	0.1000	19.8	20.0	-1.1	20.0
2-Butanone	Ave	0.2853	0.2743	0.0500	99.4	100	-3.9	50.0
Ethyl acetate	Lin2		0.2531		37.1	40.0	-7.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Lab Sample ID: CCVIS 460-361444/2 Calibration Date: 04/08/2016 07:36

Instrument ID: CVOAMS2 Calib Start Date: 04/07/2016 00:39

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/07/2016 03:27

Lab File ID: B95885.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl acrylate	Ave	0.2559	0.2234		17.7	20.0	-12.7	20.0
Propionitrile	Ave	1.568	1.415		195	200	-9.8	20.0
Tetrahydrofuran	Lin2		0.3410		41.2	40.0	3.1	20.0
Chlorobromomethane	Ave	0.1479	0.1390		18.6	20.0	-6.0	20.0
Methacrylonitrile	Ave	0.1246	0.1275		205	200	2.3	20.0
Chloroform	Ave	0.5075	0.4881	0.2000	19.2	20.0	-3.8	20.0
Cyclohexane	Ave	0.3120	0.2942	0.1000	18.8	20.0	-5.7	50.0
1,1,1-Trichloroethane	Ave	0.4022	0.3648	0.1000	18.0	20.0	-9.3	20.0
Carbon tetrachloride	Ave	0.3036	0.2772	0.1000	18.3	20.0	-8.7	20.0
1,1-Dichloropropene	Ave	0.3685	0.3623		19.7	20.0	-1.7	20.0
2,2,4-Trimethylpentane	Ave	0.4474	0.4221		19.7	20.0	-5.7	20.0
Benzene	Ave	1.602	1.588	0.5000	19.7	20.0	-0.9	20.0
Isobutyl alcohol	Ave	0.5064	0.4581		427	500	-9.5	50.0
Tert-amyl methyl ether	Ave	1.077	1.026		18.9	20.0	-4.7	20.0
Isopropyl acetate	Ave	0.2781	0.2624		18.8	20.0	-5.6	20.0
1,2-Dichloroethane	Ave	0.3935	0.3615	0.1000	18.5	20.0	-8.1	20.0
n-Heptane	Lin		0.0886		19.1	20.0	-4.5	20.0
Trichloroethene	Ave	0.2795	0.2650	0.2000	18.9	20.0	-5.2	20.0
n-Butanol	Ave	0.3205	0.2596		473	500	-19.0	50.0
Methylcyclohexane	Ave	0.2667	0.2471	0.1000	19.0	20.0	-7.4	50.0
Ethyl acrylate	Qua2		0.2889		16.7	20.0	-16.3	20.0
1,2-Dichloropropane	Ave	0.3004	0.2877	0.1000	19.2	20.0	-4.2	20.0
Methyl methacrylate	Ave	0.0731	0.0650		35.6	40.0	-11.1	20.0
Dibromomethane	Ave	0.1827	0.1760		20.0	20.0	-3.6	20.0
1,4-Dioxane	Ave	1.134	1.255		445	400	10.6	50.0
n-Propyl acetate	Ave	0.4193	0.3748		17.4	20.0	-10.6	20.0
Bromodichloromethane	Ave	0.3780	0.3154	0.2000	16.8	20.0	-16.6	20.0
2-Nitropropane	Ave	0.0838	0.0590		28.2	40.0	-29.6*	20.0
2-Chloroethyl vinyl ether	Ave	0.1951	0.1863		18.9	20.0	-4.5	20.0
Epichlorohydrin	Ave	0.2462	0.2458		416	400	-0.2	20.0
cis-1,3-Dichloropropene	Ave	0.6617	0.6181	0.2000	18.6	20.0	-6.6	50.0
4-Methyl-2-pentanone (MIBK)	Ave	2.678	2.375	0.0500	90.0	100	-11.3	50.0
Toluene	Ave	1.550	1.506	0.4000	19.3	20.0	-2.8	20.0
trans-1,3-Dichloropropene	Ave	0.5672	0.4941	0.1000	17.8	20.0	-12.9	50.0
Ethyl methacrylate	Ave	0.5585	0.5009		18.0	20.0	-10.3	20.0
1,1,2-Trichloroethane	Ave	0.3189	0.3104	0.1000	19.5	20.0	-2.7	20.0
Tetrachloroethene	Ave	0.2854	0.2488	0.2000	17.4	20.0	-12.8	20.0
1,3-Dichloropropane	Ave	0.6120	0.5981		19.5	20.0	-2.3	20.0
2-Hexanone	Ave	1.667	1.486	0.0500	90.5	100	-10.9	50.0
Dibromochloromethane	Ave	0.3462	0.2676	0.1000	15.5	20.0	-22.7	50.0
n-Butyl acetate	Ave	0.1136	0.1038		18.3	20.0	-8.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Lab Sample ID: CCVIS 460-361444/2 Calibration Date: 04/08/2016 07:36

Instrument ID: CVOAMS2 Calib Start Date: 04/07/2016 00:39

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/07/2016 03:27

Lab File ID: B95885.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylene Dibromide	Ave	0.3475	0.3218	0.1000	18.5	20.0	-7.4	20.0
Chlorobenzene	Ave	0.9458	0.9017	0.5000	19.1	20.0	-4.7	20.0
Ethylbenzene	Ave	0.5049	0.4479	0.1000	17.7	20.0	-11.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3592	0.3016		16.8	20.0	-16.0	20.0
m-Xylene & p-Xylene	Ave	0.5983	0.5514	0.1000	18.4	20.0	-7.8	20.0
o-Xylene	Ave	0.6374	0.5862	0.3000	18.4	20.0	-8.0	20.0
n-Butyl acrylate	Ave	0.3535	0.3140		17.7	20.0	-11.2	20.0
Styrene	Ave	1.029	0.9559	0.3000	18.6	20.0	-7.1	20.0
Amyl acetate (mixed isomers)	Ave	1.803	1.612		16.8	20.0	-10.6	20.0
Bromoform	Ave	0.1965	0.1395	0.1000	14.2	20.0	-29.0*	20.0
Isopropylbenzene	Ave	1.321	1.225	0.1000	18.5	20.0	-7.3	20.0
Bromobenzene	Ave	0.7694	0.7217		18.8	20.0	-6.2	20.0
1,1,2,2-Tetrachloroethane	Ave	1.170	1.080	0.3000	18.3	20.0	-7.8	20.0
N-Propylbenzene	Ave	3.141	3.057		19.2	20.0	-2.7	20.0
1,2,3-Trichloropropane	Ave	0.3005	0.2823		18.8	20.0	-6.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2953	0.2532		17.1	20.0	-14.3	20.0
2-Chlorotoluene	Ave	2.515	2.339		18.3	20.0	-7.0	20.0
4-Ethyltoluene	Ave	2.697	2.498		18.5	20.0	-7.4	20.0
1,3,5-Trimethylbenzene	Ave	2.287	2.172		19.0	20.0	-5.1	20.0
4-Chlorotoluene	Ave	2.328	2.205		19.0	20.0	-5.3	20.0
Butyl Methacrylate	Ave	1.274	1.115		17.5	20.0	-12.5	20.0
tert-Butylbenzene	Ave	1.670	1.544		18.5	20.0	-7.5	20.0
1,2,4-Trimethylbenzene	Ave	2.491	2.337		18.5	20.0	-6.2	20.0
sec-Butylbenzene	Ave	2.379	2.206		18.5	20.0	-7.3	20.0
4-Isopropyltoluene	Ave	2.021	1.821		18.0	20.0	-9.9	20.0
1,3-Dichlorobenzene	Ave	1.281	1.208	0.6000	18.9	20.0	-5.7	20.0
1,4-Dichlorobenzene	Ave	1.366	1.245	0.5000	18.2	20.0	-8.9	20.0
Benzyl chloride	Ave	2.111	1.710		16.3	20.0	-19.0	50.0
Indan	Ave	2.761	2.614		18.9	20.0	-5.3	20.0
p-Diethylbenzene	Ave	1.136	1.050		18.5	20.0	-7.6	20.0
n-Butylbenzene	Ave	2.234	2.047		18.3	20.0	-8.4	20.0
1,2-Dichlorobenzene	Ave	1.355	1.212	0.4000	17.9	20.0	-10.6	20.0
1,2,4,5-Tetramethylbenzene	Ave	2.022	1.816		18.0	20.0	-10.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2052	0.1592	0.0500	15.6	20.0	-22.4	50.0
1,3,5-Trichlorobenzene	Ave	0.7254	0.6480		17.9	20.0	-10.7	20.0
1,2,4-Trichlorobenzene	Ave	0.6890	0.6021	0.2000	17.5	20.0	-12.6	20.0
Hexachlorobutadiene	Ave	0.2801	0.2473		17.7	20.0	-11.7	20.0
Naphthalene	Ave	2.607	2.357		18.1	20.0	-9.6	50.0
1,2,3-Trichlorobenzene	Ave	0.6450	0.5932		18.4	20.0	-8.0	20.0
Dibromofluoromethane (Surr)	Ave	0.2201	0.2291		51.9	50.0	4.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2626	0.2727		50.6	50.0	3.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Lab Sample ID: CCVIS 460-361444/2 Calibration Date: 04/08/2016 07:36

Instrument ID: CVOAMS2 Calib Start Date: 04/07/2016 00:39

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/07/2016 03:27

Lab File ID: B95885.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene-d8 (Surr)	Ave	1.157	1.170		50.5	50.0	1.1	20.0
Bromofluorobenzene	Ave	0.2945	0.2867		48.7	50.0	-2.6	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95885.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 08-Apr-2016 07:36:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0039617-002
Operator ID: Instrument ID: CVOAMS2
Sublist: chrom-8260W_2*sub58

Method: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 11-Apr-2016 15:55:12 Calib Date: 07-Apr-2016 03:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK047

First Level Reviewer: tupayachia Date: 08-Apr-2016 11:35:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.077	1.077	0.000	82	11406	20.0	16.8	
2 Dichlorodifluoromethane	85	1.109	1.109	0.000	98	79997	20.0	16.7	
3 Chloromethane	50	1.208	1.208	0.000	99	63725	20.0	16.8	
5 Butadiene	54	1.291	1.291	0.000	94	50810	20.0	17.0	
4 Vinyl chloride	62	1.299	1.299	0.000	98	63759	20.0	17.7	
6 Bromomethane	94	1.521	1.521	0.000	98	34824	20.0	14.5	
7 Chloroethane	64	1.579	1.579	0.000	99	28687	20.0	14.6	
9 Dichlorofluoromethane	67	1.760	1.760	0.000	98	130446	20.0	19.4	
10 Trichlorofluoromethane	101	1.768	1.768	0.000	93	91883	20.0	19.0	
8 Pentane	72	1.776	1.776	0.000	96	15683	40.0	36.1	
11 Ethyl ether	59	1.957	1.957	0.000	95	55956	20.0	19.5	
13 2-Methyl-1,3-butadiene	53	1.965	1.965	0.000	96	55006	20.0	17.6	
12 Ethanol	46	1.965	1.965	0.000	75	14322	800.0	881.7	
14 1,2-Dichloro-1,1,2-trifluo	117	2.023	2.023	0.000	95	53462	20.0	19.6	
15 Acrolein	56	2.122	2.122	0.000	63	27137	40.0	35.8	
16 1,1,2-Trichloro-1,2,2-trif	101	2.122	2.122	0.000	95	53257	20.0	18.6	
17 1,1-Dichloroethene	96	2.138	2.138	0.000	99	62264	20.0	18.5	
18 Acetone	43	2.229	2.229	0.000	87	86542	100.0	90.0	
19 Iodomethane	142	2.270	2.270	0.000	98	107389	20.0	18.5	
20 Carbon disulfide	76	2.295	2.295	0.000	98	170082	20.0	15.0	
21 Isopropyl alcohol	45	2.352	2.352	0.000	71	39643	200.0	196.5	
22 3-Chloro-1-propene	76	2.443	2.443	0.000	47	37707	20.0	17.7	
23 Cyclopentene	67	2.451	2.451	0.000	92	156254	20.0	18.8	
24 Methyl acetate	43	2.459	2.459	0.000	99	263377	100.0	102.1	
25 Acetonitrile	41	2.525	2.525	0.000	98	88265	200.0	191.3	
26 Methylene Chloride	84	2.574	2.574	0.000	89	73641	20.0	18.7	
* 27 TBA-d9 (IS)	65	2.599	2.599	0.000	90	338853	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.673	2.673	0.000	64	77240	200.0	181.5	
29 Methyl tert-butyl ether	73	2.731	2.731	0.000	96	188997	20.0	19.1	
30 trans-1,2-Dichloroethene	96	2.747	2.747	0.000	95	66150	20.0	19.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	2.829	2.829	0.000	97	262842	200.0	190.2	
32 Hexane	43	2.904	2.904	0.000	93	27651	20.0	17.6	
34 Isopropyl ether	45	3.142	3.142	0.000	99	214259	20.0	18.7	
33 1,1-Dichloroethane	63	3.150	3.150	0.000	99	120744	20.0	18.9	
36 Vinyl acetate	86	3.192	3.192	0.000	100	22076	40.0	36.7	
35 2-Chloro-1,3-butadiene	88	3.200	3.200	0.000	89	53805	20.0	18.2	
38 Tert-butyl ethyl ether	59	3.471	3.471	0.000	89	206008	20.0	19.1	
39 2,2-Dichloropropane	41	3.669	3.669	0.000	59	47856	20.0	18.2	
* 158 2-Butanone-d5	46	3.677	3.677	0.000	97	342642	250.0	250.0	
40 cis-1,2-Dichloroethene	96	3.710	3.710	0.000	98	72210	20.0	19.8	
41 2-Butanone (MEK)	72	3.735	3.735	0.000	98	37591	100.0	99.4	
42 Ethyl acetate	70	3.759	3.759	0.000	48	13878	40.0	37.1	
43 Methyl acrylate	55	3.809	3.809	0.000	66	50695	20.0	17.7	
44 Propionitrile	54	3.875	3.875	0.000	97	95881	200.0	195.1	
46 Tetrahydrofuran	72	3.949	3.949	0.000	66	18697	40.0	41.2	
45 Chlorobromomethane	128	3.957	3.957	0.000	95	31542	20.0	18.6	
47 Methacrylonitrile	67	3.982	3.982	0.000	91	289233	200.0	204.7	
48 Chloroform	83	4.031	4.031	0.000	99	110756	20.0	19.2	
49 Cyclohexane	84	4.130	4.130	0.000	91	66754	20.0	18.8	
50 1,1,1-Trichloroethane	97	4.154	4.154	0.000	97	82771	20.0	18.0	
$ 51 Dibromofluoromethane (Surr	113	4.196	4.196	0.000	93	129927	50.0	51.9	
52 Carbon tetrachloride	117	4.286	4.286	0.000	94	62885	20.0	18.3	
53 1,1-Dichloropropene	75	4.327	4.327	0.000	98	82213	20.0	19.7	
54 Isooctane	57	4.525	4.525	0.000	95	95764	20.0	19.7	
55 Benzene	78	4.533	4.533	0.000	96	250926	20.0	19.7	
$ 57 1,2-Dichloroethane-d4 (Sur	65	4.574	4.574	0.000	97	154688	50.0	50.6	
56 Isobutyl alcohol	43	4.574	4.574	0.000	5	77609	500.0	426.7	M
58 Tert-amyl methyl ether	73	4.640	4.640	0.000	91	232734	20.0	18.9	
59 Isopropyl acetate	87	4.648	4.648	0.000	96	59531	20.0	18.8	
60 1,2-Dichloroethane	62	4.665	4.665	0.000	87	82011	20.0	18.5	
61 n-Heptane	57	4.747	4.747	0.000	88	20102	20.0	19.1	
* 62 Fluorobenzene	96	4.879	4.879	0.000	99	567235	50.0	50.0	
64 Trichloroethene	95	5.298	5.298	0.000	96	60121	20.0	18.9	
65 n-Butanol	56	5.405	5.405	0.000	57	43988	500.0	473.3	
66 Methylcyclohexane	83	5.414	5.414	0.000	94	56061	20.0	19.0	
67 Ethyl acrylate	55	5.496	5.496	0.000	98	65544	20.0	16.7	
68 1,2-Dichloropropane	63	5.628	5.628	0.000	93	65280	20.0	19.2	
* 69 1,4-Dioxane-d8	96	5.718	5.718	0.000	92	31988	1000.0	1000.0	
72 Methyl methacrylate	100	5.776	5.776	0.000	91	29511	40.0	35.6	
70 Dibromomethane	93	5.784	5.784	0.000	92	39943	20.0	20.0	
71 1,4-Dioxane	88	5.792	5.792	0.000	36	16052	400.0	444.8	
73 n-Propyl acetate	43	5.866	5.866	0.000	98	85049	20.0	17.4	
74 Dichlorobromomethane	83	5.990	5.990	0.000	99	71561	20.0	16.8	
75 2-Nitropropane	41	6.393	6.393	0.000	97	26754	40.0	28.2	
76 2-Chloroethyl vinyl ether	63	6.434	6.434	0.000	94	42278	20.0	18.9	
77 Epichlorohydrin	57	6.541	6.541	0.000	99	134726	400.0	415.9	
78 cis-1,3-Dichloropropene	75	6.599	6.599	0.000	89	97699	20.0	18.6	
79 4-Methyl-2-pentanone (MIBK	43	6.813	6.813	0.000	96	325500	100.0	90.0	
$ 80 Toluene-d8 (Surr)	98	6.854	6.854	0.000	98	462248	50.0	50.5	
81 Toluene	91	6.936	6.936	0.000	94	238016	20.0	19.3	
82 trans-1,3-Dichloropropene	75	7.356	7.356	0.000	95	78098	20.0	17.8	
83 Ethyl methacrylate	69	7.405	7.405	0.000	89	79167	20.0	18.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 1,1,2-Trichloroethane	83	7.545	7.545	0.000	95	49053	20.0	19.5	
85 Tetrachloroethene	166	7.553	7.553	0.000	90	39324	20.0	17.4	
86 1,3-Dichloropropane	76	7.726	7.726	0.000	92	94537	20.0	19.5	
87 2-Hexanone	43	7.808	7.808	0.000	96	203722	100.0	90.5	
88 Chlorodibromomethane	129	7.932	7.932	0.000	97	42290	20.0	15.5	
89 n-Butyl acetate	73	7.932	7.932	0.000	99	16402	20.0	18.3	
90 Ethylene Dibromide	107	8.039	8.039	0.000	99	50867	20.0	18.5	
* 91 Chlorobenzene-d5	117	8.492	8.492	0.000	88	395145	50.0	50.0	
92 Chlorobenzene	112	8.516	8.516	0.000	93	142525	20.0	19.1	
93 Ethylbenzene	106	8.598	8.598	0.000	99	70794	20.0	17.7	
94 1,1,1,2-Tetrachloroethane	131	8.623	8.623	0.000	95	47672	20.0	16.8	
95 m-Xylene & p-Xylene	106	8.722	8.722	0.000	98	87145	20.0	18.4	
96 o-Xylene	106	9.092	9.092	0.000	93	92654	20.0	18.4	
97 n-Butyl acrylate	73	9.109	9.109	0.000	98	49627	20.0	17.7	
98 Styrene	104	9.125	9.125	0.000	94	151083	20.0	18.6	
100 Amyl acetate (mixed isomer	43	9.314	9.314	0.000	91	118434	20.0	16.8	
99 Bromoform	173	9.314	9.314	0.000	59	22049	20.0	14.2	
101 Isopropylbenzene	105	9.421	9.421	0.000	96	193639	20.0	18.5	
$ 102 4-Bromofluorobenzene	174	9.603	9.603	0.000	83	113294	50.0	48.7	
104 Bromobenzene	156	9.718	9.718	0.000	95	53024	20.0	18.8	
105 1,1,2,2-Tetrachloroethane	83	9.784	9.784	0.000	98	79324	20.0	18.3	
106 N-Propylbenzene	91	9.784	9.784	0.000	99	224628	20.0	19.2	
107 1,2,3-Trichloropropane	110	9.808	9.808	0.000	98	20743	20.0	18.8	
108 trans-1,4-Dichloro-2-buten	53	9.833	9.833	0.000	79	18604	20.0	17.1	
109 2-Chlorotoluene	91	9.874	9.874	0.000	96	171832	20.0	18.3	
110 4-Ethyltoluene	105	9.882	9.882	0.000	97	183522	20.0	18.5	
111 1,3,5-Trimethylbenzene	105	9.940	9.940	0.000	93	159566	20.0	19.0	
112 4-Chlorotoluene	91	9.981	9.981	0.000	98	162003	20.0	19.0	
113 Butyl Methacrylate	87	10.039	10.039	0.000	89	81907	20.0	17.5	
114 tert-Butylbenzene	119	10.203	10.203	0.000	93	113446	20.0	18.5	
115 1,2,4-Trimethylbenzene	105	10.253	10.253	0.000	97	171712	20.0	18.5	
116 sec-Butylbenzene	105	10.384	10.384	0.000	99	162097	20.0	18.5	
118 4-Isopropyltoluene	119	10.500	10.500	0.000	97	133820	20.0	18.0	
117 1,3-Dichlorobenzene	146	10.508	10.508	0.000	94	88730	20.0	18.9	
* 119 1,4-Dichlorobenzene-d4	152	10.565	10.565	0.000	98	183682	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.590	10.590	0.000	95	91451	20.0	18.2	
121 Benzyl chloride	91	10.714	10.714	0.000	98	125652	20.0	16.3	
122 2,3-Dihydroindene	117	10.763	10.763	0.000	93	192064	20.0	18.9	
123 p-Diethylbenzene	119	10.804	10.804	0.000	92	77136	20.0	18.5	
124 n-Butylbenzene	91	10.829	10.829	0.000	97	150366	20.0	18.3	
125 1,2-Dichlorobenzene	146	10.886	10.886	0.000	94	89037	20.0	17.9	
126 1,2,4,5-Tetramethylbenzene	119	11.421	11.421	0.000	97	133401	20.0	18.0	
127 1,2-Dibromo-3-Chloropropan	75	11.520	11.520	0.000	92	11697	20.0	15.6	
128 1,3,5-Trichlorobenzene	180	11.627	11.627	0.000	96	47609	20.0	17.9	
130 1,2,4-Trichlorobenzene	180	12.113	12.113	0.000	94	44236	20.0	17.5	
131 Hexachlorobutadiene	225	12.195	12.195	0.000	93	18167	20.0	17.7	
132 Naphthalene	128	12.310	12.310	0.000	99	173186	20.0	18.1	
133 1,2,3-Trichlorobenzene	180	12.508	12.508	0.000	94	43587	20.0	18.4	
S 134 1,2-Dichloroethene, Total	100				0		40.0	39.0	
S 135 Xylenes, Total	100				0		40.0	36.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00049	Amount Added:	4.00	Units: uL	
GASES Li_00148	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00034	Amount Added:	20.00	Units: uL	
8260ISNEW_00059	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00116	Amount Added:	1.00	Units: uL	Run Reagent

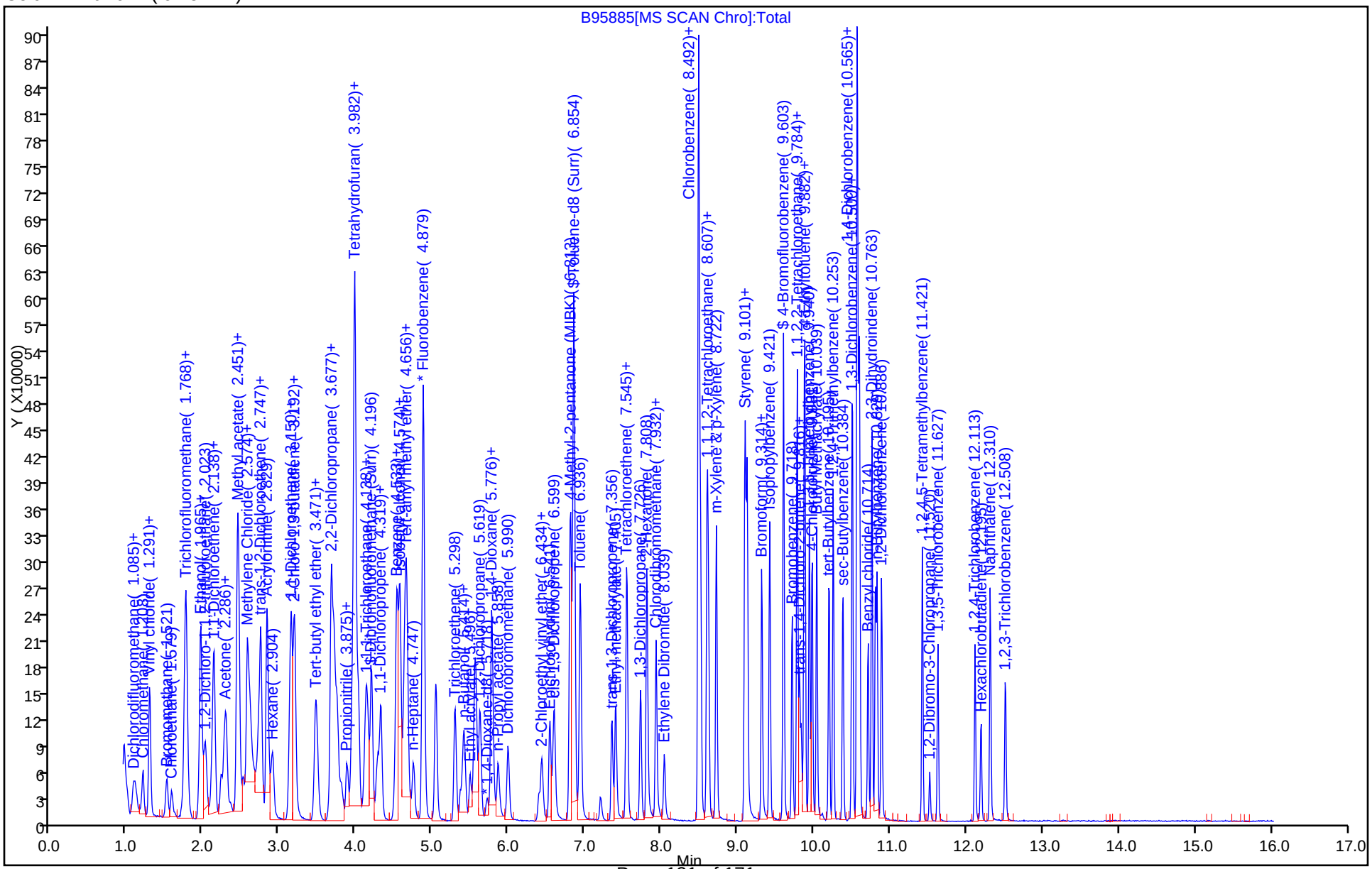
Report Date: 11-Apr-2016 15:55:14 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95885.D

Injection Date:	08-Apr-2016 07:36:30	Instrument ID:	CVOAMS2	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

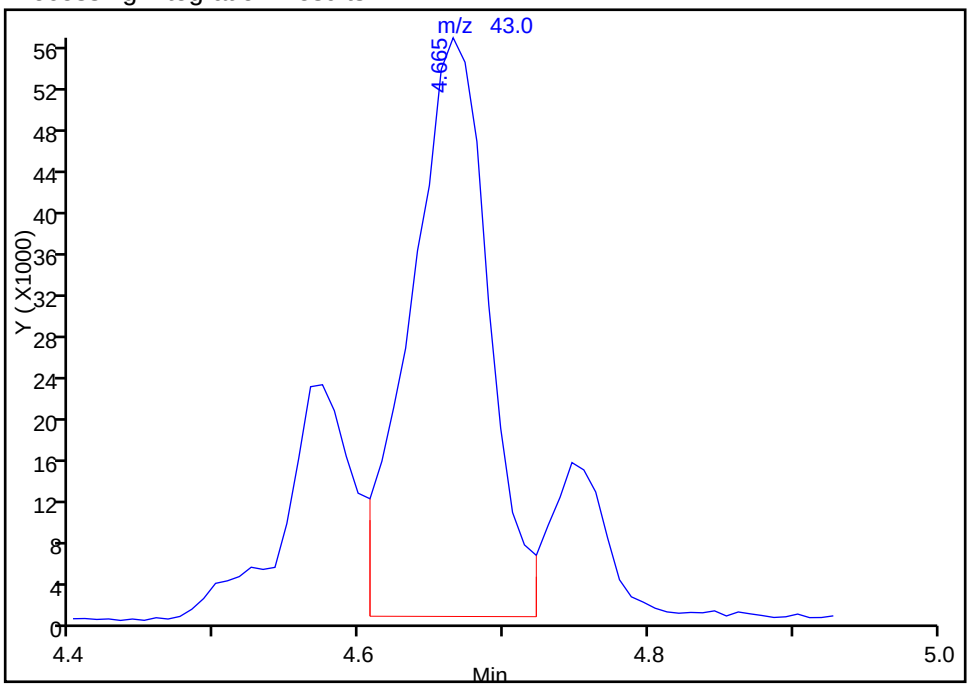
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95885.D
Injection Date: 08-Apr-2016 07:36:30 Instrument ID: CVOAMS2
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

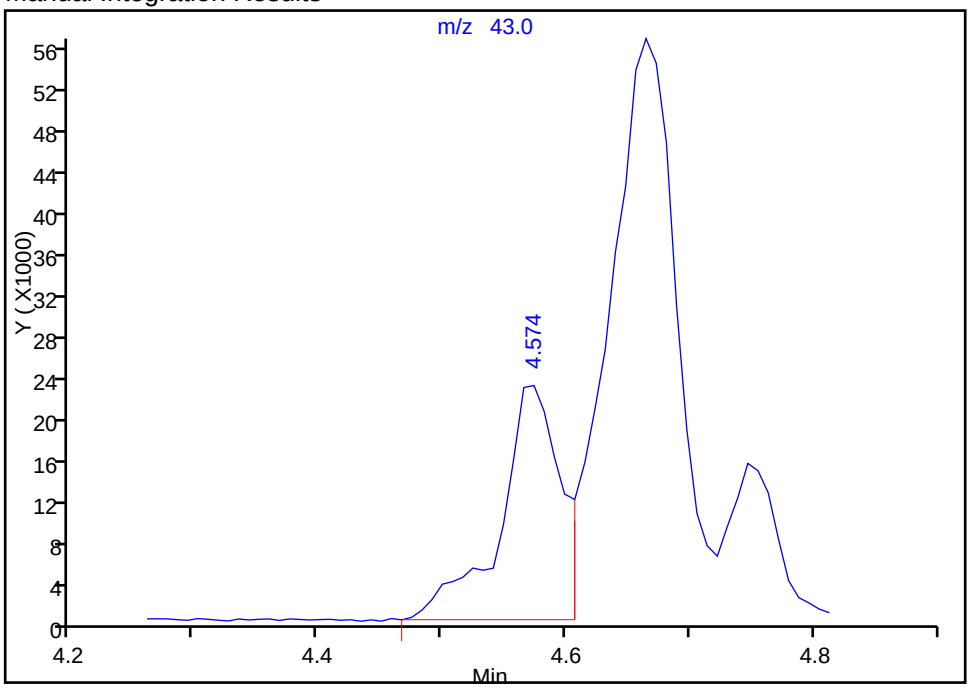
Processing Integration Results

RT: 4.66
Area: 210110
Amount: 1149.8074
Amount Units: ug/l



Manual Integration Results

RT: 4.57
Area: 77609
Amount: 426.6885
Amount Units: ug/l



Reviewer: delpolitov, 11-Apr-2016 15:55:12
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95814.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 07-Apr-2016 00:12:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0039559-001
Operator ID: Instrument ID: CVOAMS2

Method: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Apr-2016 14:34:00 Calib Date: 07-Apr-2016 03:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: delpolitov Date: 07-Apr-2016 14:34:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 136 BFB	95	2.244	2.244	0.000	83	374169	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

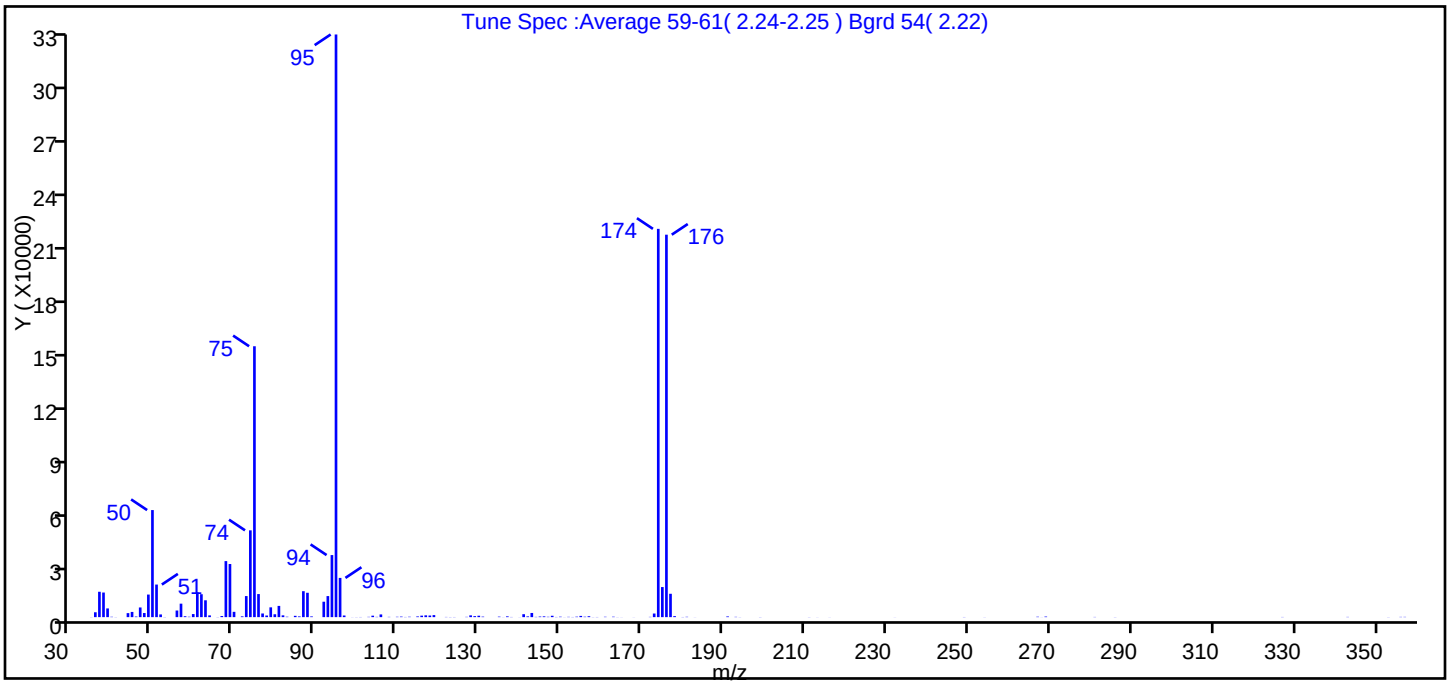
VMBFBn_00005 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95814.D
Injection Date: 07-Apr-2016 00:12:30 Instrument ID: CVOAMS2
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 136 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.4
75	30 to 60% of m/z 95	46.5
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.6 (0.9)
174	50 to 120% of m/z 95	66.6
175	5 to 9% of m/z 174	5.2 (7.7)
176	Greater than 95% but less than 101% of m/z 174	65.6 (98.5)
177	5 to 9% of m/z 176	4.0 (6.1)

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95814.D\8260W_2.rslt\spectra.d
Injection Date: 07-Apr-2016 00:12:30
Spectrum: Tune Spec :Average 59-61(2.24-2.25) Bgrd 54(2.22)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 138

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	57	76.00	12893	119.00	1137	164.00	51
36.00	2724	77.00	2049	122.00	113	165.00	37
37.00	14179	78.00	908	123.00	83	168.00	37
38.00	13751	79.00	5475	124.00	86	172.00	148
39.00	4867	80.00	1614	127.00	158	173.00	2022
40.00	200	81.00	6280	128.00	994	174.00	216960
41.00	61	82.00	1004	129.00	567	175.00	16808
44.00	2246	83.00	236	130.00	791	176.00	213696
45.00	2914	85.00	735	131.00	290	177.00	13056
46.00	329	86.00	412	135.00	288	178.00	558
47.00	5407	87.00	14499	136.00	40	180.00	87
48.00	2307	88.00	13614	137.00	439	181.00	190
49.00	12619	89.00	399	138.00	101	183.00	37
50.00	59824	92.00	8620	140.00	46	191.00	386
51.00	18208	93.00	11769	141.00	1644	193.00	165
52.00	1514	94.00	34680	142.00	407	194.00	56
53.00	83	95.00	325568	143.00	2333	199.00	70
56.00	3703	96.00	21928	144.00	139	211.00	63
57.00	7534	97.00	916	145.00	336	213.00	36
58.00	502	99.00	44	146.00	431	216.00	39
59.00	224	100.00	60	147.00	198	232.00	36
60.00	1724	101.00	92	148.00	769	249.00	85
61.00	13848	103.00	163	149.00	99	254.00	47
62.00	12816	104.00	814	150.00	250	267.00	233
63.00	9421	105.00	152	151.00	42	268.00	32
64.00	981	106.00	1514	152.00	166	269.00	321
66.00	71	108.00	151	153.00	91	281.00	115
67.00	625	110.00	201	154.00	256	286.00	64
68.00	31312	111.00	305	155.00	693	327.00	106
69.00	29688	112.00	102	156.00	239	343.00	133
70.00	2968	113.00	232	157.00	515	353.00	60
72.00	437	115.00	398	158.00	60	356.00	143
73.00	11778	116.00	831	159.00	90	357.00	149

Report Date: 07-Apr-2016 14:34:02 Chrom Revision: 2.2 04-Mar-2016 14:36:24
Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95814.D\8260W_2.rslt\spectra.d
Injection Date: 07-Apr-2016 00:12:30
Spectrum: Tune Spec :Average 59-61(2.24-2.25) Bgrd 54(2.22)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 138

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	48504	117.00	1009	161.00	206		
75.00	151360	118.00	901	163.00	241		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95884.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 08-Apr-2016 06:19:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0039617-001
Operator ID: Instrument ID: CVOAMS2

Method: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Apr-2016 11:33:49 Calib Date: 07-Apr-2016 03:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: tupayachia Date: 08-Apr-2016 11:33:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 136 BFB	95	2.239	2.239	0.000	82	373436	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

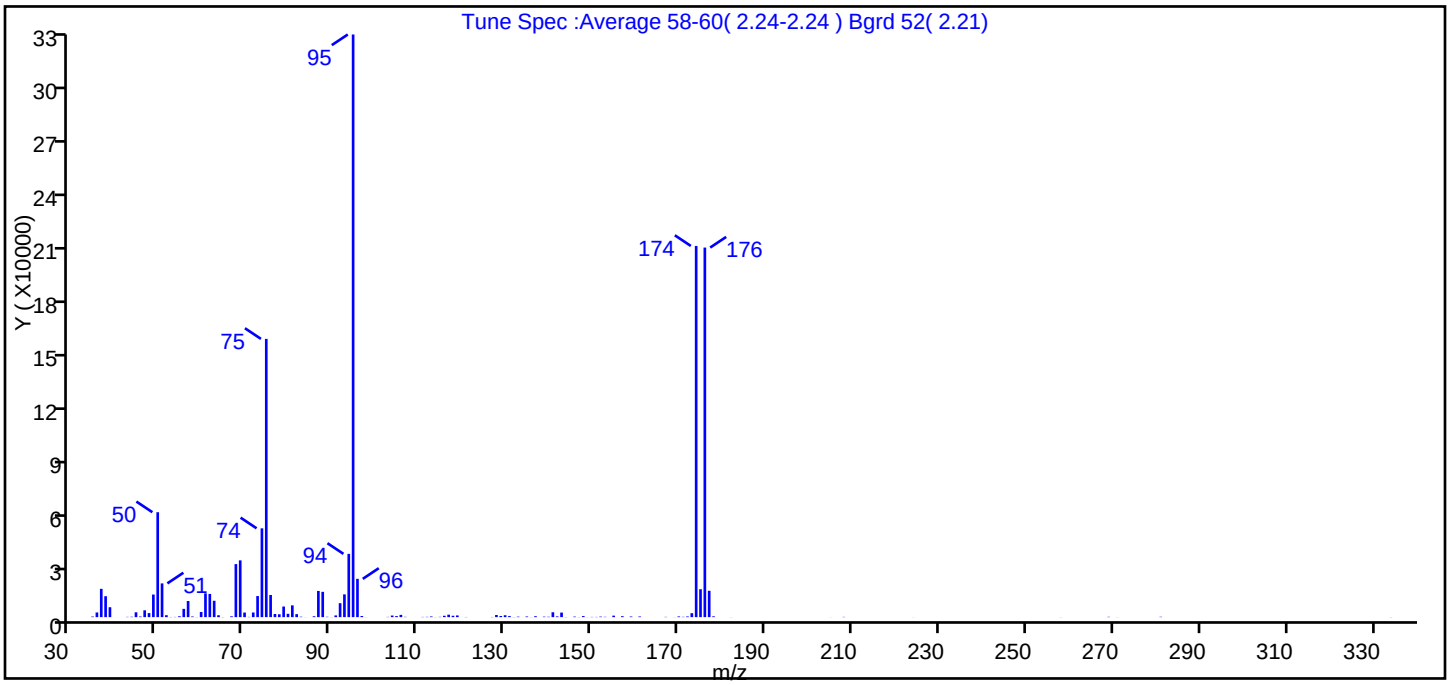
VMBFBn_00005 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95884.D
Injection Date: 08-Apr-2016 06:19:30 Instrument ID: CVOAMS2
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_2 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 136 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.0
75	30 to 60% of m/z 95	47.8
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.7 (1.1)
174	50 to 120% of m/z 95	63.7
175	5 to 9% of m/z 174	4.8 (7.5)
176	Greater than 95% but less than 101% of m/z 174	63.4 (99.6)
177	5 to 9% of m/z 176	4.5 (7.1)

Report Date: 08-Apr-2016 11:33:53 Chrom Revision: 2.2 04-Mar-2016 14:36:24

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95884.D\8260W_2.rslt\spectra.d
Injection Date: 08-Apr-2016 06:19:30
Spectrum: Tune Spec :Average 58-60(2.24-2.24) Bgrd 52(2.21)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 123

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	324	69.00	31400	105.00	581	148.00	584
36.00	2588	70.00	2546	106.00	1257	149.00	46
37.00	15649	71.00	142	107.00	167	150.00	132
38.00	11579	72.00	2576	111.00	122	151.00	119
39.00	5477	73.00	11667	112.00	160	152.00	288
41.00	11	74.00	49112	113.00	371	153.00	178
43.00	148	75.00	153856	114.00	55	155.00	822
44.00	213	76.00	12252	115.00	169	157.00	515
45.00	2681	77.00	1744	116.00	753	159.00	348
46.00	334	78.00	1576	117.00	1359	161.00	365
47.00	3776	79.00	5875	118.00	762	167.00	148
48.00	2240	80.00	1849	119.00	933	169.00	42
49.00	12503	81.00	6527	121.00	96	170.00	390
50.00	58016	82.00	1650	127.00	103	171.00	177
51.00	18664	83.00	241	128.00	1181	172.00	376
52.00	1072	84.00	45	129.00	633	173.00	2191
53.00	92	86.00	486	130.00	1052	174.00	205248
54.00	119	87.00	14483	131.00	580	175.00	15447
55.00	479	88.00	13991	132.00	74	176.00	204352
56.00	4574	89.00	205	133.00	270	177.00	14576
57.00	8924	90.00	46	135.00	362	178.00	446
58.00	354	91.00	955	136.00	60	182.00	50
59.00	64	92.00	7719	137.00	512	205.00	38
60.00	2838	93.00	12593	139.00	268	208.00	140
61.00	13153	94.00	34984	140.00	205	224.00	39
62.00	12838	95.00	322176	141.00	2705	258.00	48
63.00	9056	96.00	21168	142.00	414	269.00	188
64.00	1044	97.00	619	143.00	2530	271.00	42
65.00	81	98.00	53	144.00	84	281.00	204
67.00	461	103.00	141	146.00	300	334.00	71
68.00	29336	104.00	881	147.00	71		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-111491-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-361444/7

Matrix: Water | Lab File ID: B95890.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2016 09:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 361444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	0.28	U	2.0	0.28
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	0.24	U	1.0	0.24
75-00-3	Chloroethane	0.37	U	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
124-48-1	Dibromochloromethane	0.22	U	1.0	0.22
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-01-4	Vinyl chloride	0.060	U	1.0	0.060

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-361444/7

Matrix: Water Lab File ID: B95890.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2016 09:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 361444 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		70-137
460-00-4	Bromofluorobenzene	100		70-131
1868-53-7	Dibromofluoromethane (Surr)	101		72-136
2037-26-5	Toluene-d8 (Surr)	103		74-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-361444/7

Matrix: Water Lab File ID: B95890.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2016 09:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 361444 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95890.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 08-Apr-2016 09:47:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0039617-007
Operator ID: Instrument ID: CVOAMS2

Method: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 11-Apr-2016 15:56:47 Calib Date: 07-Apr-2016 03:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK047

First Level Reviewer: delpolitov Date: 11-Apr-2016 15:57:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	2.591	2.608	-0.017	86	322804	1000.0	1000.0	
* 158 2-Butanone-d5	46	3.669	3.677	-0.008	97	311409	250.0	250.0	
$ 51 Dibromofluoromethane (Surr	113	4.196	4.196	0.000	94	118840	50.0	50.6	
$ 57 1,2-Dichloroethane-d4 (Sur	65	4.566	4.566	0.000	96	143821	50.0	50.2	
* 62 Fluorobenzene	96	4.879	4.879	0.000	99	532146	50.0	50.0	
* 69 1,4-Dioxane-d8	96	5.710	5.710	0.000	95	29629	1000.0	1000.0	
$ 80 Toluene-d8 (Surr)	98	6.854	6.854	0.000	99	419365	50.0	51.3	
* 91 Chlorobenzene-d5	117	8.483	8.484	-0.001	88	353183	50.0	50.0	
$ 102 4-Bromofluorobenzene	174	9.603	9.603	0.000	83	103613	50.0	49.8	
* 119 1,4-Dichlorobenzene-d4	152	10.566	10.566	0.000	99	162390	50.0	50.0	

Reagents:

8260ISNEW_00059 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00116 Amount Added: 1.00 Units: uL Run Reagent

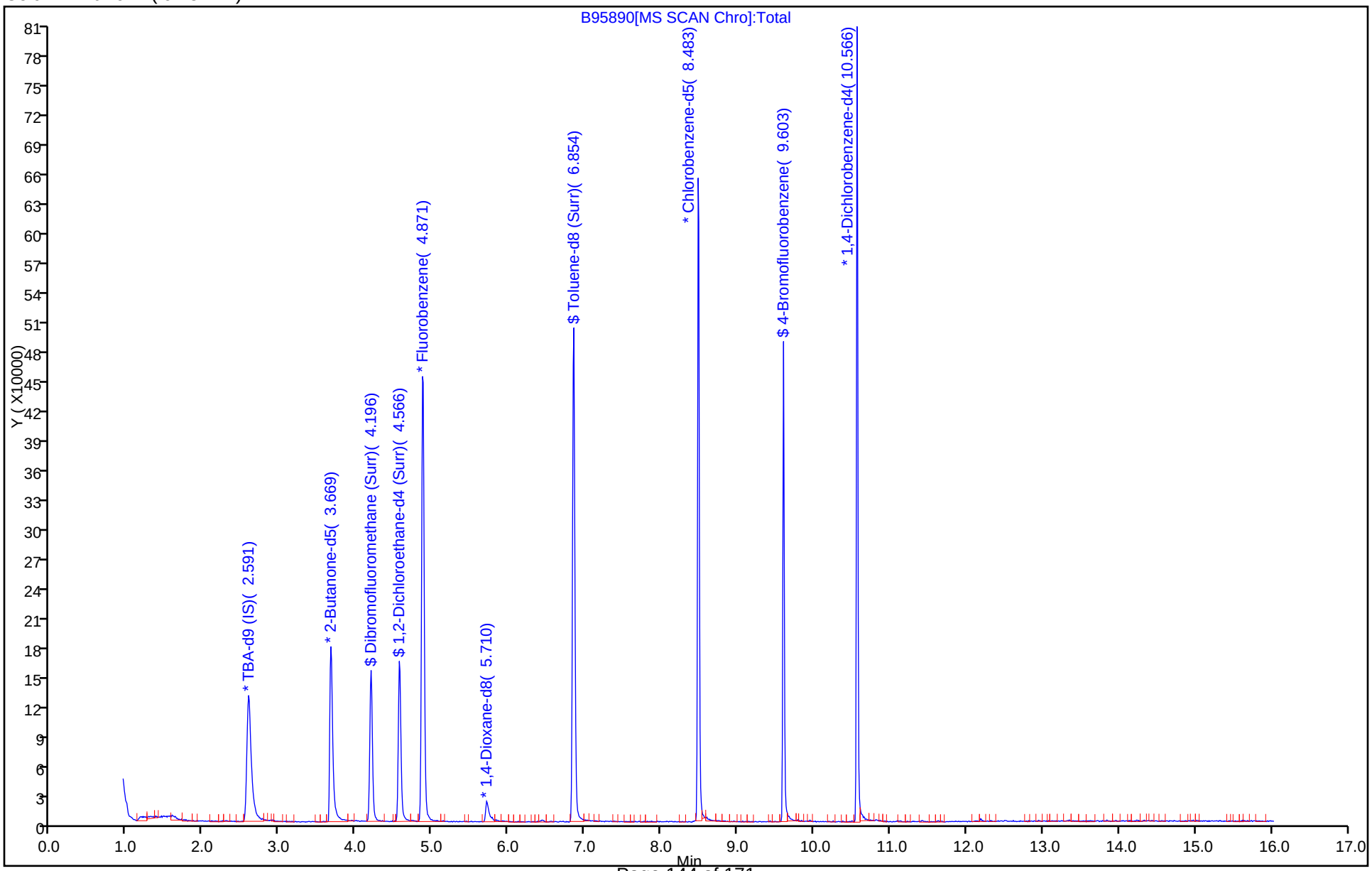
Report Date: 11-Apr-2016 15:57:26 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95890.D

Injection Date:	08-Apr-2016 09:47:30	Instrument ID:	CVOAMS2	Operator ID:	
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-111491-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-361444/3

Matrix: Water | Lab File ID: B95886.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2016 08:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 361444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	37.4		2.0	0.28
71-55-6	1,1,1-Trichloroethane	18.2		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	17.7		1.0	0.19
79-00-5	1,1,2-Trichloroethane	19.2		1.0	0.080
75-34-3	1,1-Dichloroethane	19.6		1.0	0.24
75-35-4	1,1-Dichloroethene	18.8		1.0	0.34
107-06-2	1,2-Dichloroethane	18.5		1.0	0.25
78-87-5	1,2-Dichloropropane	18.9		1.0	0.18
123-91-1	1,4-Dioxane	390		50	8.7
78-93-3	2-Butanone	104		5.0	2.2
591-78-6	2-Hexanone	87.1		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	88.0		5.0	0.63
67-64-1	Acetone	93.1		5.0	1.1
71-43-2	Benzene	20.5		1.0	0.090
75-27-4	Bromodichloromethane	16.5		1.0	0.15
75-25-2	Bromoform	14.6		1.0	0.18
74-83-9	Bromomethane	16.0		1.0	0.18
75-15-0	Carbon disulfide	15.8		1.0	0.22
56-23-5	Carbon tetrachloride	17.8		1.0	0.33
108-90-7	Chlorobenzene	19.1		1.0	0.24
75-00-3	Chloroethane	15.3		1.0	0.37
67-66-3	Chloroform	19.4		1.0	0.22
74-87-3	Chloromethane	17.7		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	19.0		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	18.7		1.0	0.16
124-48-1	Dibromochloromethane	15.7		1.0	0.22
100-41-4	Ethylbenzene	18.5		1.0	0.30
75-09-2	Methylene Chloride	18.8		1.0	0.21
100-42-5	Styrene	19.3		1.0	0.17
127-18-4	Tetrachloroethene	18.0		1.0	0.12
108-88-3	Toluene	19.6		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	19.7		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	18.3		1.0	0.19
79-01-6	Trichloroethene	18.2		1.0	0.22
75-01-4	Vinyl chloride	18.9		1.0	0.060

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-361444/3

Matrix: Water Lab File ID: B95886.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2016 08:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 361444 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-137
460-00-4	Bromofluorobenzene	99		70-131
1868-53-7	Dibromofluoromethane (Surr)	103		72-136
2037-26-5	Toluene-d8 (Surr)	104		74-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95886.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 08-Apr-2016 08:10:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0039617-003
Operator ID: Instrument ID: CVOAMS2

Method: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 11-Apr-2016 15:56:47 Calib Date: 07-Apr-2016 03:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK047

First Level Reviewer: tupayachia Date: 08-Apr-2016 11:37:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.085	1.085	0.000	89	10620	20.0	15.6	
2 Dichlorodifluoromethane	85	1.102	1.102	0.000	98	85952	20.0	18.0	
3 Chloromethane	50	1.200	1.200	0.000	99	67090	20.0	17.7	
5 Butadiene	54	1.291	1.291	0.000	84	55777	20.0	18.7	
4 Vinyl chloride	62	1.291	1.291	0.000	97	67668	20.0	18.9	
6 Bromomethane	94	1.513	1.513	0.000	99	38369	20.0	16.0	
7 Chloroethane	64	1.579	1.579	0.000	99	30024	20.0	15.3	
9 Dichlorofluoromethane	67	1.752	1.752	0.000	98	144054	20.0	21.4	
10 Trichlorofluoromethane	101	1.760	1.760	0.000	67	99334	20.0	20.6	
8 Pentane	72	1.776	1.776	0.000	95	16379	40.0	37.7	
11 Ethyl ether	59	1.949	1.949	0.000	93	56677	20.0	19.8	
13 2-Methyl-1,3-butadiene	53	1.957	1.957	0.000	95	55353	20.0	17.7	
12 Ethanol	46	1.966	1.966	0.000	70	12900	800.0	813.9	
14 1,2-Dichloro-1,1,2-trifluo	117	2.023	2.023	0.000	84	52862	20.0	19.4	
15 Acrolein	56	2.114	2.114	0.000	64	26441	40.0	35.8	
16 1,1,2-Trichloro-1,2,2-trif	101	2.114	2.114	0.000	95	56574	20.0	19.8	
17 1,1-Dichloroethene	96	2.138	2.138	0.000	98	63232	20.0	18.8	
18 Acetone	43	2.229	2.229	0.000	87	87570	100.0	93.1	
19 Iodomethane	142	2.270	2.270	0.000	97	111443	20.0	19.2	
20 Carbon disulfide	76	2.295	2.295	0.000	98	178145	20.0	15.8	
21 Isopropyl alcohol	45	2.352	2.352	0.000	68	35195	200.0	178.9	
22 3-Chloro-1-propene	76	2.435	2.435	0.000	49	39217	20.0	18.4	
23 Cyclopentene	67	2.443	2.443	0.000	94	155169	20.0	18.7	
24 Methyl acetate	43	2.459	2.459	0.000	99	249679	100.0	96.8	
25 Acetonitrile	41	2.517	2.517	0.000	97	89987	200.0	195.2	
26 Methylene Chloride	84	2.566	2.566	0.000	92	73992	20.0	18.8	
* 27 TBA-d9 (IS)	65	2.608	2.608	0.000	87	330631	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.673	2.673	0.000	95	74804	200.0	180.1	
29 Methyl tert-butyl ether	73	2.731	2.731	0.000	96	188824	20.0	19.1	
30 trans-1,2-Dichloroethene	96	2.747	2.747	0.000	94	67625	20.0	19.7	
31 Acrylonitrile	53	2.830	2.830	0.000	96	256886	200.0	186.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	43	2.896	2.896	0.000	95	28865	20.0	18.4	
34 Isopropyl ether	45	3.143	3.143	0.000	98	213213	20.0	18.6	
33 1,1-Dichloroethane	63	3.151	3.151	0.000	99	125401	20.0	19.6	
36 Vinyl acetate	86	3.184	3.184	0.000	100	22338	40.0	37.2	
35 2-Chloro-1,3-butadiene	88	3.192	3.192	0.000	89	55689	20.0	18.8	
38 Tert-butyl ethyl ether	59	3.472	3.472	0.000	88	205798	20.0	19.1	
39 2,2-Dichloropropane	41	3.669	3.669	0.000	85	46290	20.0	17.6	
* 158 2-Butanone-d5	46	3.677	3.677	0.000	99	335323	250.0	250.0	
40 cis-1,2-Dichloroethene	96	3.710	3.710	0.000	98	69229	20.0	19.0	
41 2-Butanone (MEK)	72	3.735	3.735	0.000	93	38507	100.0	104.1	
42 Ethyl acetate	70	3.752	3.752	0.000	47	14457	40.0	39.5	
43 Methyl acrylate	55	3.809	3.809	0.000	65	48265	20.0	16.9	
44 Propionitrile	54	3.875	3.875	0.000	98	91126	200.0	190.0	
46 Tetrahydrofuran	72	3.941	3.941	0.000	79	19409	40.0	43.8	
45 Chlorobromomethane	128	3.949	3.949	0.000	94	32991	20.0	19.5	
47 Methacrylonitrile	67	3.982	3.982	0.000	93	275886	200.0	195.4	
48 Chloroform	83	4.023	4.023	0.000	99	111436	20.0	19.4	
49 Cyclohexane	84	4.122	4.122	0.000	92	65701	20.0	18.6	
50 1,1,1-Trichloroethane	97	4.147	4.147	0.000	98	83592	20.0	18.2	
$ 51 Dibromofluoromethane (Surr	113	4.196	4.196	0.000	95	128336	50.0	51.3	
52 Carbon tetrachloride	117	4.270	4.270	0.000	97	61176	20.0	17.8	
53 1,1-Dichloropropene	75	4.319	4.319	0.000	98	80417	20.0	19.3	
54 Isooctane	57	4.517	4.517	0.000	94	95662	20.0	19.7	
55 Benzene	78	4.533	4.533	0.000	96	252294	20.0	20.5	
$ 57 1,2-Dichloroethane-d4 (Sur	65	4.566	4.566	0.000	97	156312	50.0	51.2	
56 Isobutyl alcohol	43	4.574	4.574	0.000	48	71630	500.0	403.7	M
58 Tert-amyl methyl ether	73	4.640	4.640	0.000	91	226220	20.0	18.4	
59 Isopropyl acetate	87	4.640	4.640	0.000	99	57095	20.0	18.0	
60 1,2-Dichloroethane	62	4.657	4.657	0.000	94	82027	20.0	18.5	
61 n-Heptane	57	4.747	4.747	0.000	89	19311	20.0	18.4	
* 62 Fluorobenzene	96	4.879	4.879	0.000	99	566786	50.0	50.0	
64 Trichloroethene	95	5.290	5.290	0.000	96	57820	20.0	18.2	
65 n-Butanol	56	5.406	5.406	0.000	51	41376	500.0	456.3	
66 Methylcyclohexane	83	5.406	5.406	0.000	97	56968	20.0	19.4	
67 Ethyl acrylate	55	5.488	5.488	0.000	98	60703	20.0	15.5	
68 1,2-Dichloropropane	63	5.620	5.620	0.000	94	64255	20.0	18.9	
* 69 1,4-Dioxane-d8	96	5.710	5.710	0.000	89	30354	1000.0	1000.0	
72 Methyl methacrylate	100	5.776	5.776	0.000	88	29370	40.0	35.4	
70 Dibromomethane	93	5.776	5.776	0.000	94	38542	20.0	19.3	
71 1,4-Dioxane	88	5.776	5.776	0.000	37	13340	400.0	389.5	
73 n-Propyl acetate	43	5.858	5.858	0.000	98	78947	20.0	16.2	
74 Dichlorobromomethane	83	5.990	5.990	0.000	99	70365	20.0	16.5	
75 2-Nitropropane	41	6.393	6.393	0.000	97	25596	40.0	27.0	
76 2-Chloroethyl vinyl ether	63	6.426	6.426	0.000	92	36836	20.0	16.5	
77 Epichlorohydrin	57	6.533	6.533	0.000	100	121578	400.0	383.5	
78 cis-1,3-Dichloropropene	75	6.591	6.591	0.000	90	94860	20.0	18.7	
79 4-Methyl-2-pentanone (MIBK	43	6.805	6.805	0.000	95	311194	100.0	88.0	
$ 80 Toluene-d8 (Surr)	98	6.854	6.854	0.000	98	460275	50.0	52.1	
81 Toluene	91	6.936	6.936	0.000	92	233863	20.0	19.6	
82 trans-1,3-Dichloropropene	75	7.348	7.348	0.000	94	77516	20.0	18.3	
83 Ethyl methacrylate	69	7.397	7.397	0.000	89	79129	20.0	18.6	
84 1,1,2-Trichloroethane	83	7.545	7.545	0.000	93	46674	20.0	19.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Tetrachloroethene	166	7.554	7.554	0.000	90	39262	20.0	18.0	
86 1,3-Dichloropropane	76	7.726	7.726	0.000	95	89880	20.0	19.2	
87 2-Hexanone	43	7.809	7.809	0.000	97	191917	100.0	87.1	
88 Chlorodibromomethane	129	7.932	7.932	0.000	98	41540	20.0	15.7	
89 n-Butyl acetate	73	7.932	7.932	0.000	99	14806	20.0	17.1	
90 Ethylene Dibromide	107	8.039	8.039	0.000	97	49587	20.0	18.7	
* 91 Chlorobenzene-d5	117	8.484	8.484	0.000	89	381516	50.0	50.0	
92 Chlorobenzene	112	8.517	8.517	0.000	93	137629	20.0	19.1	
93 Ethylbenzene	106	8.599	8.599	0.000	98	71428	20.0	18.5	
94 1,1,1,2-Tetrachloroethane	131	8.624	8.624	0.000	93	48594	20.0	17.7	
95 m-Xylene & p-Xylene	106	8.722	8.722	0.000	98	86476	20.0	18.9	
96 o-Xylene	106	9.093	9.093	0.000	93	89846	20.0	18.5	
97 n-Butyl acrylate	73	9.109	9.109	0.000	97	46463	20.0	17.1	
98 Styrene	104	9.126	9.126	0.000	95	151196	20.0	19.3	
100 Amyl acetate (mixed isomer	43	9.315	9.315	0.000	90	116699	20.0	16.9	
99 Bromoform	173	9.315	9.315	0.000	50	21809	20.0	14.6	
101 Isopropylbenzene	105	9.422	9.422	0.000	96	194229	20.0	19.3	
$ 102 4-Bromofluorobenzene	174	9.603	9.603	0.000	84	111126	50.0	49.5	
104 Bromobenzene	156	9.718	9.718	0.000	96	50384	20.0	18.2	
105 1,1,2,2-Tetrachloroethane	83	9.776	9.776	0.000	63	75381	20.0	17.7	
106 N-Propylbenzene	91	9.784	9.784	0.000	99	221902	20.0	19.4	
107 1,2,3-Trichloropropane	110	9.809	9.809	0.000	99	20287	20.0	18.8	
108 trans-1,4-Dichloro-2-buten	53	9.833	9.833	0.000	67	16311	20.0	15.4	
109 2-Chlorotoluene	91	9.874	9.874	0.000	96	169887	20.0	18.5	
110 4-Ethyltoluene	105	9.883	9.883	0.000	98	184616	20.0	19.0	
111 1,3,5-Trimethylbenzene	105	9.940	9.940	0.000	92	156305	20.0	19.0	
112 4-Chlorotoluene	91	9.973	9.973	0.000	98	157782	20.0	19.0	
113 Butyl Methacrylate	87	10.039	10.039	0.000	89	82868	20.0	18.1	
114 tert-Butylbenzene	119	10.195	10.195	0.000	92	110203	20.0	18.4	
115 1,2,4-Trimethylbenzene	105	10.253	10.253	0.000	97	171298	20.0	18.9	
116 sec-Butylbenzene	105	10.376	10.376	0.000	99	159410	20.0	18.6	
118 4-Isopropyltoluene	119	10.500	10.500	0.000	97	134499	20.0	18.5	
117 1,3-Dichlorobenzene	146	10.508	10.508	0.000	94	84096	20.0	18.3	
* 119 1,4-Dichlorobenzene-d4	152	10.566	10.566	0.000	97	179667	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.590	10.590	0.000	95	89648	20.0	18.3	
121 Benzyl chloride	91	10.714	10.714	0.000	98	121296	20.0	16.1	
122 2,3-Dihydroindene	117	10.763	10.763	0.000	94	185912	20.0	18.7	
123 p-Diethylbenzene	119	10.804	10.804	0.000	91	78254	20.0	19.2	
124 n-Butylbenzene	91	10.829	10.829	0.000	96	155198	20.0	19.3	
125 1,2-Dichlorobenzene	146	10.887	10.887	0.000	93	88118	20.0	18.1	
126 1,2,4,5-Tetramethylbenzene	119	11.422	11.422	0.000	96	135865	20.0	18.7	
127 1,2-Dibromo-3-Chloropropan	75	11.520	11.520	0.000	93	10643	20.0	14.5	
128 1,3,5-Trichlorobenzene	180	11.627	11.627	0.000	96	48798	20.0	18.7	
130 1,2,4-Trichlorobenzene	180	12.113	12.113	0.000	93	47016	20.0	19.0	
131 Hexachlorobutadiene	225	12.195	12.195	0.000	94	19087	20.0	19.0	
132 Naphthalene	128	12.310	12.310	0.000	99	168309	20.0	18.0	
133 1,2,3-Trichlorobenzene	180	12.508	12.508	0.000	95	44028	20.0	19.0	
S 134 1,2-Dichloroethene, Total	100				0		40.0	38.7	
S 135 Xylenes, Total	100				0		40.0	37.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00049	Amount Added:	4.00	Units: uL	
GASES Li_00148	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00034	Amount Added:	20.00	Units: uL	
8260ISNEW_00059	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00116	Amount Added:	1.00	Units: uL	Run Reagent

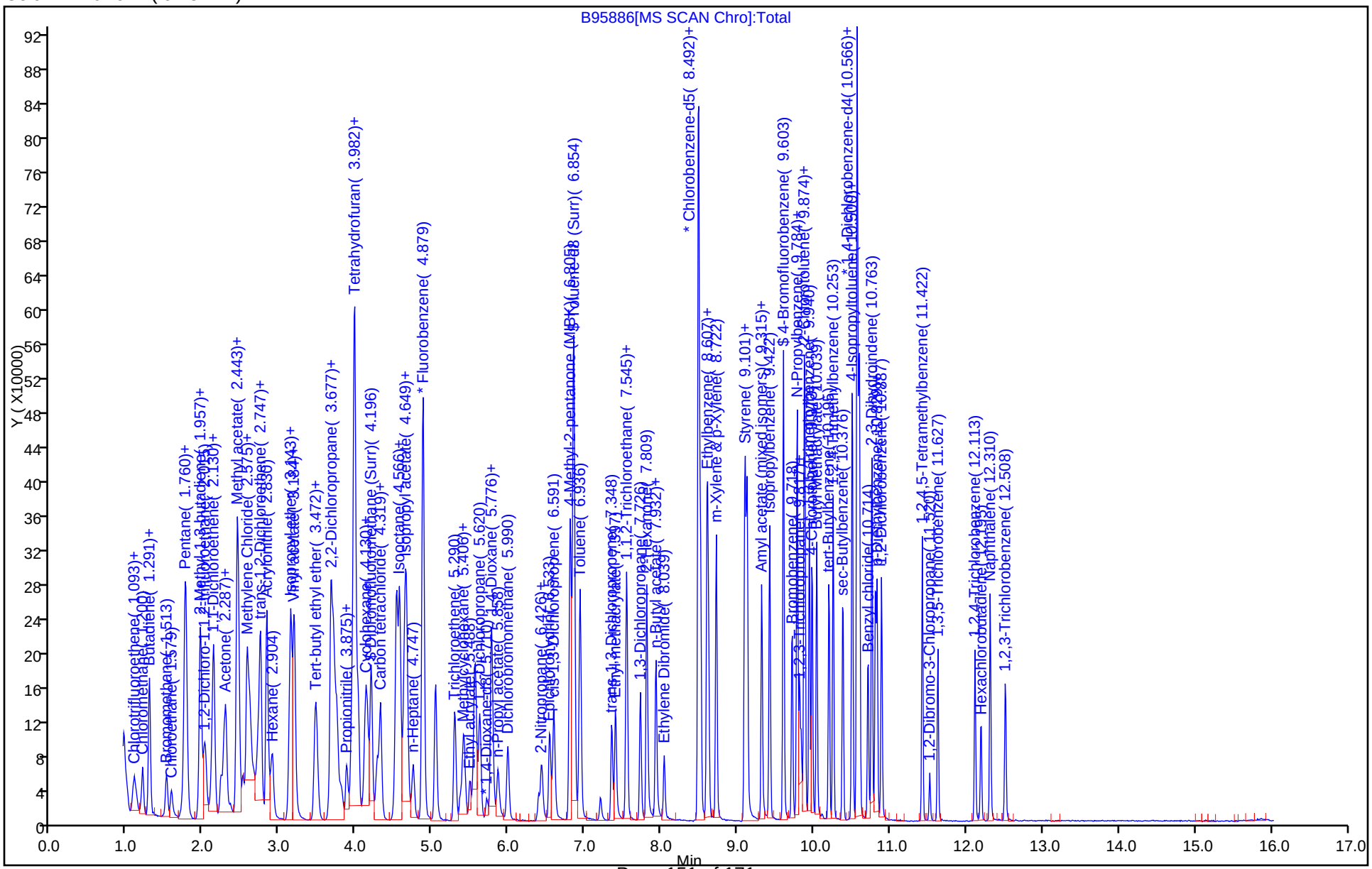
Report Date: 11-Apr-2016 15:56:49 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95886.D

Injection Date:	08-Apr-2016 08:10:30	Instrument ID:	CVOAMS2	Operator ID:	
Lims ID:	LCS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-111491-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-111295-C-8 MS

Matrix: Water | Lab File ID: B95898.D

Analysis Method: 8260C | Date Collected: 03/29/2016 13:27

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2016 13:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 361444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	40.2		2.0	0.28
71-55-6	1,1,1-Trichloroethane	19.0		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	19.4		1.0	0.19
79-00-5	1,1,2-Trichloroethane	19.9		1.0	0.080
75-34-3	1,1-Dichloroethane	20.2		1.0	0.24
75-35-4	1,1-Dichloroethene	18.7		1.0	0.34
107-06-2	1,2-Dichloroethane	19.6		1.0	0.25
78-87-5	1,2-Dichloropropane	20.7		1.0	0.18
123-91-1	1,4-Dioxane	452		50	8.7
78-93-3	2-Butanone	107		5.0	2.2
591-78-6	2-Hexanone	95.8		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	98.1		5.0	0.63
67-64-1	Acetone	95.3		5.0	1.1
71-43-2	Benzene	21.2		1.0	0.090
75-27-4	Bromodichloromethane	19.1		1.0	0.15
75-25-2	Bromoform	13.7		1.0	0.18
74-83-9	Bromomethane	21.0		1.0	0.18
75-15-0	Carbon disulfide	12.8		1.0	0.22
56-23-5	Carbon tetrachloride	19.0		1.0	0.33
108-90-7	Chlorobenzene	22.1		1.0	0.24
75-00-3	Chloroethane	18.6		1.0	0.37
67-66-3	Chloroform	23.2		1.0	0.22
74-87-3	Chloromethane	16.8		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	20.8		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	19.3		1.0	0.16
124-48-1	Dibromochloromethane	16.8		1.0	0.22
100-41-4	Ethylbenzene	19.1		1.0	0.30
75-09-2	Methylene Chloride	19.7		1.0	0.21
100-42-5	Styrene	19.6		1.0	0.17
127-18-4	Tetrachloroethene	18.9		1.0	0.12
108-88-3	Toluene	20.9		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	19.9		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	18.4		1.0	0.19
79-01-6	Trichloroethene	19.9		1.0	0.22
75-01-4	Vinyl chloride	19.2		1.0	0.060

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-111295-C-8 MS

Matrix: Water Lab File ID: B95898.D

Analysis Method: 8260C Date Collected: 03/29/2016 13:27

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2016 13:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 361444 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		70-137
460-00-4	Bromofluorobenzene	114		70-131
1868-53-7	Dibromofluoromethane (Surr)	117		72-136
2037-26-5	Toluene-d8 (Surr)	120		74-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95898.D
Lims ID: 460-111295-C-8 MS
Client ID: MW014G0316
Sample Type: MS
Inject. Date: 08-Apr-2016 13:00:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-111295-C-8 MS
Misc. Info.: 460-0039617-015
Operator ID: Instrument ID: CVOAMS2

Method: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 11-Apr-2016 16:09:09 Calib Date: 07-Apr-2016 03:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK047

First Level Reviewer: delpolitov Date: 11-Apr-2016 16:09:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.077	1.085	-0.008	64	9121	20.0	16.3	
2 Dichlorodifluoromethane	85	1.102	1.102	0.000	98	69568	20.0	17.7	
3 Chloromethane	50	1.208	1.200	0.008	99	52487	20.0	16.8	
5 Butadiene	54	1.291	1.291	0.000	85	43492	20.0	17.8	
4 Vinyl chloride	62	1.291	1.291	0.000	97	56629	20.0	19.2	
6 Bromomethane	94	1.521	1.513	0.008	97	41385	20.0	21.0	
7 Chloroethane	64	1.579	1.579	0.000	99	29914	20.0	18.6	
9 Dichlorofluoromethane	67	1.760	1.752	0.008	98	120367	20.0	21.8	
10 Trichlorofluoromethane	101	1.760	1.760	0.000	60	83134	20.0	21.0	
8 Pentane	72	1.776	1.776	0.000	96	14649	40.0	41.0	
11 Ethyl ether	59	1.957	1.949	0.008	95	47492	20.0	20.2	
13 2-Methyl-1,3-butadiene	53	1.966	1.957	0.009	95	44903	20.0	17.5	
12 Ethanol	46	1.966	1.966	0.000	70	11689	800.0	908.6	
14 1,2-Dichloro-1,1,2-trifluo	117	2.023	2.023	0.000	93	47540	20.0	21.2	
15 Acrolein	56	2.114	2.114	0.000	71	24222	40.0	40.4	
16 1,1,2-Trichloro-1,2,2-trif	101	2.122	2.114	0.008	95	47543	20.0	20.3	
17 1,1-Dichloroethene	96	2.138	2.138	0.000	99	51739	20.0	18.7	
18 Acetone	43	2.229	2.229	0.000	89	71338	100.0	95.3	
19 Iodomethane	142	2.270	2.270	0.000	97	93655	20.0	19.7	
20 Carbon disulfide	76	2.295	2.295	0.000	98	119130	20.0	12.8	
21 Isopropyl alcohol	45	2.352	2.352	0.000	97	36130	200.0	225.8	
22 3-Chloro-1-propene	76	2.435	2.435	0.000	46	30723	20.0	17.6	
23 Cyclopentene	67	2.451	2.443	0.008	92	132678	20.0	19.5	
24 Methyl acetate	43	2.459	2.459	0.000	99	200990	100.0	94.9	
25 Acetonitrile	41	2.525	2.517	0.008	99	75632	200.0	199.7	
26 Methylene Chloride	84	2.575	2.566	0.009	91	63656	20.0	19.7	
* 27 TBA-d9 (IS)	65	2.599	2.608	-0.009	89	268357	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.673	2.673	0.000	97	63452	200.0	188.2	
29 Methyl tert-butyl ether	73	2.723	2.731	-0.008	96	162311	20.0	20.0	
30 trans-1,2-Dichloroethene	96	2.747	2.747	0.000	95	56142	20.0	19.9	
31 Acrylonitrile	53	2.830	2.830	0.000	95	214319	200.0	188.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	43	2.904	2.896	0.008	92	25241	20.0	19.5	
34 Isopropyl ether	45	3.142	3.143	-0.001	97	182556	20.0	19.4	
33 1,1-Dichloroethane	63	3.151	3.151	0.000	99	105877	20.0	20.2	
36 Vinyl acetate	86	3.192	3.184	0.008	100	16860	40.0	34.2	
35 2-Chloro-1,3-butadiene	88	3.192	3.192	0.000	89	50256	20.0	20.7	
38 Tert-butyl ethyl ether	59	3.472	3.472	0.000	88	178236	20.0	20.1	
37 Allyl alcohol	57	3.472	3.480	-0.008	48	55644		NC	
39 2,2-Dichloropropane	41	3.669	3.669	0.000	58	37103	20.0	17.2	
* 158 2-Butanone-d5	46	3.677	3.677	0.000	98	266946	250.0	250.0	
40 cis-1,2-Dichloroethene	96	3.710	3.710	0.000	98	62318	20.0	20.8	
41 2-Butanone (MEK)	72	3.735	3.735	0.000	96	31437	100.0	106.7	
42 Ethyl acetate	70	3.751	3.752	-0.001	93	10855	40.0	37.3	
43 Methyl acrylate	55	3.809	3.809	0.000	70	40996	20.0	17.4	
44 Propionitrile	54	3.875	3.875	0.000	97	78044	200.0	200.5	
46 Tetrahydrofuran	72	3.941	3.941	0.000	76	14713	40.0	41.7	
45 Chlorobromomethane	128	3.949	3.949	0.000	91	28188	20.0	20.3	
47 Methacrylonitrile	67	3.982	3.982	0.000	91	235045	200.0	202.6	
48 Chloroform	83	4.023	4.023	0.000	99	109564	20.0	23.2	
49 Cyclohexane	84	4.130	4.122	0.008	90	60093	20.0	20.7	
50 1,1,1-Trichloroethane	97	4.155	4.147	0.008	98	71791	20.0	19.0	
$ 51 Dibromofluoromethane (Surr	113	4.196	4.196	0.000	95	120454	50.0	58.6	
52 Carbon tetrachloride	117	4.278	4.270	0.008	96	53846	20.0	19.0	
53 1,1-Dichloropropene	75	4.319	4.319	0.000	98	68444	20.0	19.9	
54 Isooctane	57	4.517	4.517	0.000	94	79663	20.0	20.0	
55 Benzene	78	4.533	4.533	0.000	96	216670	20.0	21.2	
$ 57 1,2-Dichloroethane-d4 (Sur	65	4.574	4.566	0.008	96	149275	50.0	59.5	
56 Isobutyl alcohol	43	4.566	4.574	-0.008	65	60015	500.0	416.7	M
58 Tert-amyl methyl ether	73	4.640	4.640	0.000	91	195596	20.0	19.4	
59 Isopropyl acetate	87	4.649	4.640	0.008	96	50618	20.0	19.5	
60 1,2-Dichloroethane	62	4.657	4.657	0.000	95	71556	20.0	19.6	
61 n-Heptane	57	4.747	4.747	0.000	90	16829	20.0	19.5	
* 62 Fluorobenzene	96	4.879	4.879	0.000	98	465653	50.0	50.0	
64 Trichloroethene	95	5.290	5.290	0.000	95	51837	20.0	19.9	
65 n-Butanol	56	5.397	5.406	-0.009	57	35764	500.0	485.9	
66 Methylcyclohexane	83	5.414	5.406	0.008	95	49651	20.0	20.5	
67 Ethyl acrylate	55	5.488	5.488	0.000	97	59422	20.0	18.5	
68 1,2-Dichloropropane	63	5.620	5.620	0.000	94	58028	20.0	20.7	
* 69 1,4-Dioxane-d8	96	5.718	5.710	0.008	95	25136	1000.0	1000.0	
72 Methyl methacrylate	100	5.776	5.776	0.000	89	23655	40.0	34.7	
70 Dibromomethane	93	5.784	5.776	0.008	90	34557	20.0	21.0	
71 1,4-Dioxane	88	5.784	5.776	0.008	39	12817	400.0	451.9	
73 n-Propyl acetate	43	5.858	5.858	0.000	98	66448	20.0	16.6	
74 Dichlorobromomethane	83	5.990	5.990	0.000	99	66925	20.0	19.1	
75 2-Nitropropane	41	6.401	6.393	0.008	97	19442	40.0	25.0	
77 Epichlorohydrin	57	6.541	6.533	0.008	99	80673	400.0	319.6	
78 cis-1,3-Dichloropropene	75	6.591	6.591	0.000	90	81128	20.0	19.3	
79 4-Methyl-2-pentanone (MIBK	43	6.805	6.805	0.000	96	276278	100.0	98.1	
$ 80 Toluene-d8 (Surr)	98	6.854	6.854	0.000	98	441758	50.0	60.2	
81 Toluene	91	6.936	6.936	0.000	92	207260	20.0	20.9	
82 trans-1,3-Dichloropropene	75	7.348	7.348	0.000	96	64771	20.0	18.4	
83 Ethyl methacrylate	69	7.405	7.397	0.008	89	69144	20.0	19.6	
84 1,1,2-Trichloroethane	83	7.545	7.545	0.000	96	40312	20.0	19.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Tetrachloroethene	166	7.554	7.554	0.000	89	34199	20.0	18.9	
86 1,3-Dichloropropane	76	7.726	7.726	0.000	93	79769	20.0	20.5	
87 2-Hexanone	43	7.809	7.809	0.000	95	168048	100.0	95.8	
88 Chlorodibromomethane	129	7.932	7.932	0.000	98	36950	20.0	16.8	
89 n-Butyl acetate	73	7.932	7.932	0.000	99	12687	20.0	17.6	
90 Ethylene Dibromide	107	8.039	8.039	0.000	98	45501	20.0	20.6	
* 91 Chlorobenzene-d5	117	8.484	8.484	0.000	88	317131	50.0	50.0	
92 Chlorobenzene	112	8.516	8.517	-0.001	93	132769	20.0	22.1	
93 Ethylbenzene	106	8.599	8.599	0.000	99	61026	20.0	19.1	
94 1,1,1,2-Tetrachloroethane	131	8.615	8.624	-0.009	95	40752	20.0	17.9	
95 m-Xylene & p-Xylene	106	8.722	8.722	0.000	98	76448	20.0	20.1	
96 o-Xylene	106	9.093	9.093	0.000	93	81180	20.0	20.1	
97 n-Butyl acrylate	73	9.109	9.109	0.000	98	41252	20.0	18.3	
98 Styrene	104	9.125	9.126	-0.001	94	127651	20.0	19.6	
100 Amyl acetate (mixed isomer	43	9.315	9.315	0.000	91	98769	20.0	17.5	
99 Bromoform	173	9.315	9.315	0.000	49	17116	20.0	13.7	
101 Isopropylbenzene	105	9.422	9.422	0.000	96	173027	20.0	20.7	
$ 102 4-Bromofluorobenzene	174	9.603	9.603	0.000	83	106772	50.0	57.2	
104 Bromobenzene	156	9.718	9.718	0.000	96	45690	20.0	20.2	
105 1,1,2,2-Tetrachloroethane	83	9.776	9.776	0.000	98	67610	20.0	19.4	
106 N-Propylbenzene	91	9.784	9.784	0.000	99	196374	20.0	20.9	
107 1,2,3-Trichloropropane	110	9.809	9.809	0.000	98	17328	20.0	19.6	
108 trans-1,4-Dichloro-2-buten	53	9.833	9.833	0.000	78	14047	20.0	16.2	
109 2-Chlorotoluene	91	9.874	9.874	0.000	96	159672	20.0	21.2	
110 4-Ethyltoluene	105	9.883	9.883	0.000	98	164004	20.0	20.7	
111 1,3,5-Trimethylbenzene	105	9.940	9.940	0.000	92	137970	20.0	20.5	
112 4-Chlorotoluene	91	9.973	9.973	0.000	98	141694	20.0	20.8	
113 Butyl Methacrylate	87	10.039	10.039	0.000	89	69287	20.0	18.5	
114 tert-Butylbenzene	119	10.195	10.195	0.000	92	100080	20.0	20.4	
115 1,2,4-Trimethylbenzene	105	10.253	10.253	0.000	97	146930	20.0	19.8	
116 sec-Butylbenzene	105	10.376	10.376	0.000	99	139870	20.0	20.0	
118 4-Isopropyltoluene	119	10.500	10.500	0.000	97	114195	20.0	19.2	
117 1,3-Dichlorobenzene	146	10.508	10.508	0.000	93	75816	20.0	20.1	
* 119 1,4-Dichlorobenzene-d4	152	10.566	10.566	0.000	98	147129	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.590	10.590	0.000	94	80236	20.0	20.0	
121 Benzyl chloride	91	10.706	10.714	-0.008	98	87539	20.0	14.2	
122 2,3-Dihydroindene	117	10.763	10.763	0.000	94	168337	20.0	20.7	
123 p-Diethylbenzene	119	10.804	10.804	0.000	90	64809	20.0	19.4	
124 n-Butylbenzene	91	10.829	10.829	0.000	97	125837	20.0	19.1	
125 1,2-Dichlorobenzene	146	10.887	10.887	0.000	93	79233	20.0	19.9	
126 1,2,4,5-Tetramethylbenzene	119	11.422	11.422	0.000	97	115811	20.0	19.5	
127 1,2-Dibromo-3-Chloropropan	75	11.520	11.520	0.000	91	10192	20.0	16.9	
128 1,3,5-Trichlorobenzene	180	11.627	11.627	0.000	96	41251	20.0	19.3	
130 1,2,4-Trichlorobenzene	180	12.113	12.113	0.000	93	38500	20.0	19.0	
131 Hexachlorobutadiene	225	12.187	12.195	-0.008	91	13058	20.0	15.8	
132 Naphthalene	128	12.310	12.310	0.000	99	144477	20.0	18.8	
133 1,2,3-Trichlorobenzene	180	12.508	12.508	0.000	94	34334	20.0	18.1	
S 134 1,2-Dichloroethene, Total	100				0		40.0	40.7	
S 135 Xylenes, Total	100				0		40.0	40.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00049	Amount Added:	4.00	Units: uL	
GASES Li_00148	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00034	Amount Added:	20.00	Units: uL	
8260ISNEW_00059	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00116	Amount Added:	1.00	Units: uL	Run Reagent

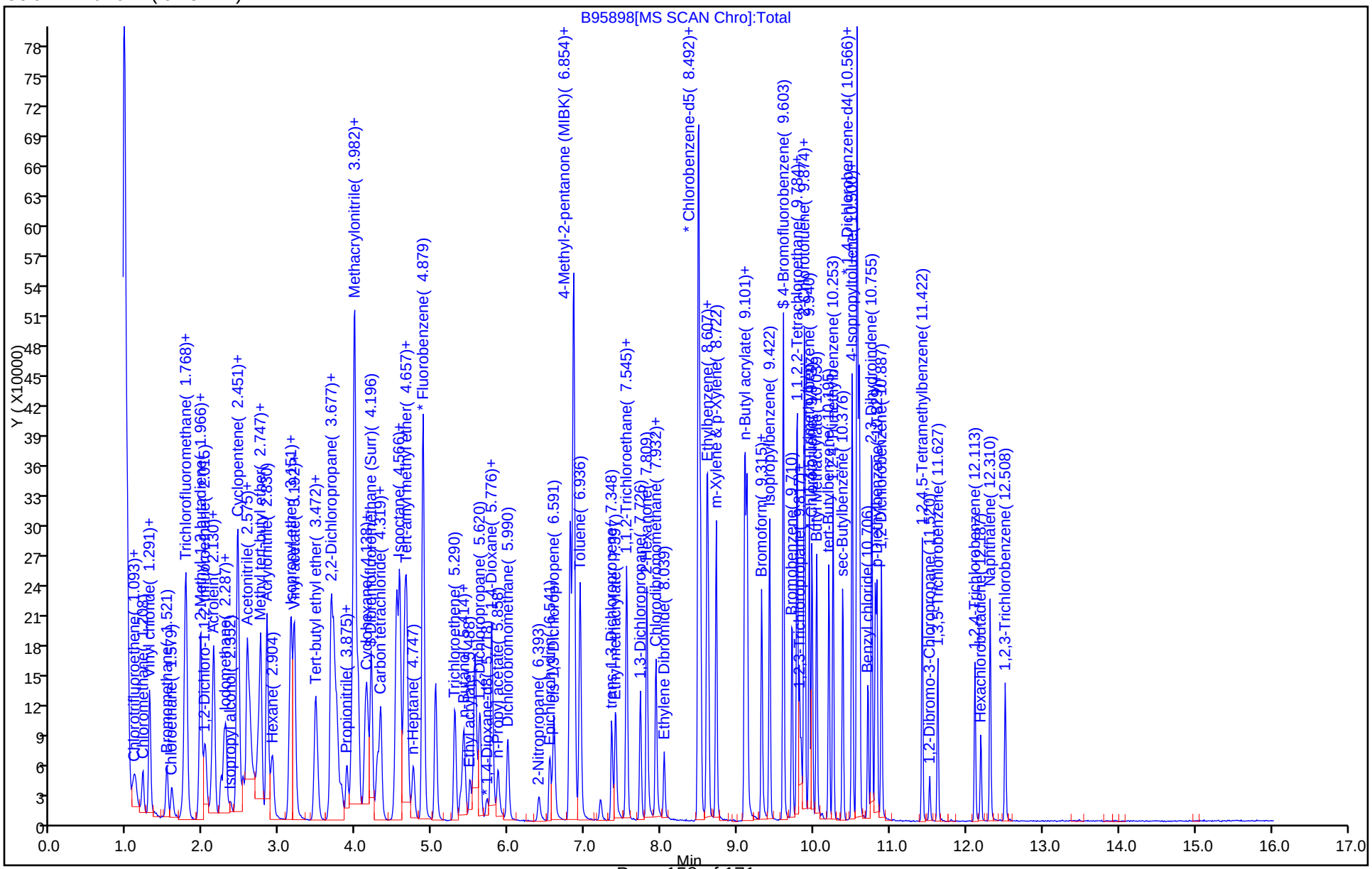
Report Date: 11-Apr-2016 16:09:10 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95898.D

Injection Date:	08-Apr-2016 13:00:30	Instrument ID:	CVOAMS2	Operator ID:	
Lims ID:	460-111295-C-8 MS			Worklist Smp#:	15
Client ID:	MW014G0316				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-111491-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-111295-D-8 MSD

Matrix: Water | Lab File ID: B95899.D

Analysis Method: 8260C | Date Collected: 03/29/2016 13:27

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2016 13:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 361444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	45.1		2.0	0.28
71-55-6	1,1,1-Trichloroethane	22.4		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	22.1		1.0	0.19
79-00-5	1,1,2-Trichloroethane	22.7		1.0	0.080
75-34-3	1,1-Dichloroethane	23.2		1.0	0.24
75-35-4	1,1-Dichloroethene	22.5		1.0	0.34
107-06-2	1,2-Dichloroethane	22.5		1.0	0.25
78-87-5	1,2-Dichloropropane	23.5		1.0	0.18
123-91-1	1,4-Dioxane	510		50	8.7
78-93-3	2-Butanone	122		5.0	2.2
591-78-6	2-Hexanone	113		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	112		5.0	0.63
67-64-1	Acetone	112		5.0	1.1
71-43-2	Benzene	23.8		1.0	0.090
75-27-4	Bromodichloromethane	22.6		1.0	0.15
75-25-2	Bromoform	16.8		1.0	0.18
74-83-9	Bromomethane	24.7		1.0	0.18
75-15-0	Carbon disulfide	15.9		1.0	0.22
56-23-5	Carbon tetrachloride	21.8		1.0	0.33
108-90-7	Chlorobenzene	24.6		1.0	0.24
75-00-3	Chloroethane	21.3		1.0	0.37
67-66-3	Chloroform	25.7		1.0	0.22
74-87-3	Chloromethane	20.1		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	23.6		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	21.9		1.0	0.16
124-48-1	Dibromochloromethane	20.0		1.0	0.22
100-41-4	Ethylbenzene	22.1		1.0	0.30
75-09-2	Methylene Chloride	22.4		1.0	0.21
100-42-5	Styrene	23.0		1.0	0.17
127-18-4	Tetrachloroethene	22.3		1.0	0.12
108-88-3	Toluene	23.1		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	23.1		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	21.7		1.0	0.19
79-01-6	Trichloroethene	21.4		1.0	0.22
75-01-4	Vinyl chloride	22.9		1.0	0.060

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-111295-D-8 MSD

Matrix: Water Lab File ID: B95899.D

Analysis Method: 8260C Date Collected: 03/29/2016 13:27

Sample wt/vol: 5(mL) Date Analyzed: 04/08/2016 13:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 361444 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		70-137
460-00-4	Bromofluorobenzene	102		70-131
1868-53-7	Dibromofluoromethane (Surr)	109		72-136
2037-26-5	Toluene-d8 (Surr)	104		74-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95899.D
Lims ID: 460-111295-D-8 MSD
Client ID: MW014G0316
Sample Type: MSD
Inject. Date: 08-Apr-2016 13:24:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-111295-D-8 MSD
Misc. Info.: 460-0039617-016
Operator ID: Instrument ID: CVOAMS2

Method: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\8260W_2.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 11-Apr-2016 16:01:17 Calib Date: 07-Apr-2016 03:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS2\20160406-39559.b\B95822.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK047

First Level Reviewer: boykink Date: 08-Apr-2016 19:52:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.085	1.085	0.000	52	11152	20.0	17.1	
2 Dichlorodifluoromethane	85	1.101	1.102	-0.001	99	93400	20.0	20.3	
3 Chloromethane	50	1.208	1.200	0.008	99	73558	20.0	20.1	
5 Butadiene	54	1.291	1.291	0.000	81	61617	20.0	21.5	
4 Vinyl chloride	62	1.299	1.291	0.008	97	79205	20.0	22.9	
6 Bromomethane	94	1.521	1.513	0.008	99	56757	20.0	24.7	
7 Chloroethane	64	1.587	1.579	0.008	99	40152	20.0	21.3	
9 Dichlorofluoromethane	67	1.760	1.752	0.008	99	160213	20.0	24.8	
10 Trichlorofluoromethane	101	1.760	1.760	0.000	62	113166	20.0	24.4	
8 Pentane	72	1.776	1.776	0.000	95	18774	40.0	44.9	
11 Ethyl ether	59	1.957	1.949	0.008	95	64673	20.0	23.4	
13 2-Methyl-1,3-butadiene	53	1.965	1.957	0.008	95	62180	20.0	20.7	
12 Ethanol	46	1.957	1.966	-0.009	72	15280	800.0	1035.9	
14 1,2-Dichloro-1,1,2-trifluo	117	2.023	2.023	0.000	87	59878	20.0	22.8	
15 Acrolein	56	2.114	2.114	0.000	75	32518	40.0	47.3	
16 1,1,2-Trichloro-1,2,2-trif	101	2.122	2.114	0.008	95	65573	20.0	23.9	
17 1,1-Dichloroethene	96	2.138	2.138	0.000	98	72823	20.0	22.5	
18 Acetone	43	2.229	2.229	0.000	87	99542	100.0	111.7	
19 Iodomethane	142	2.270	2.270	0.000	97	125699	20.0	22.5	
20 Carbon disulfide	76	2.295	2.295	0.000	98	173019	20.0	15.9	
21 Isopropyl alcohol	45	2.352	2.352	0.000	98	56388	200.0	306.2	
22 3-Chloro-1-propene	76	2.443	2.435	0.008	47	43432	20.0	21.2	
23 Cyclopentene	67	2.451	2.443	0.008	93	174021	20.0	21.8	
24 Methyl acetate	43	2.459	2.459	0.000	100	273595	100.0	110.3	
25 Acetonitrile	41	2.517	2.517	0.000	97	104855	200.0	236.5	
26 Methylene Chloride	84	2.566	2.566	0.000	91	84855	20.0	22.4	
* 27 TBA-d9 (IS)	65	2.599	2.608	-0.009	89	307696	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.665	2.673	-0.008	64	85181	200.0	220.4	
29 Methyl tert-butyl ether	73	2.723	2.731	-0.008	96	218507	20.0	23.0	
30 trans-1,2-Dichloroethene	96	2.747	2.747	0.000	95	76120	20.0	23.1	
31 Acrylonitrile	53	2.830	2.830	0.000	95	296375	200.0	223.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	43	2.904	2.896	0.008	92	33382	20.0	22.1	
34 Isopropyl ether	45	3.134	3.143	-0.009	97	250406	20.0	22.8	
33 1,1-Dichloroethane	63	3.151	3.151	-0.001	98	142129	20.0	23.2	
36 Vinyl acetate	86	3.192	3.184	0.008	100	24224	40.0	41.9	
35 2-Chloro-1,3-butadiene	88	3.192	3.192	0.000	91	67761	20.0	23.8	
38 Tert-butyl ethyl ether	59	3.471	3.472	-0.001	89	236388	20.0	22.8	
37 Allyl alcohol	57	3.471	3.480	-0.009	49	76547		NC	
39 2,2-Dichloropropane	41	3.669	3.669	0.000	61	53346	20.0	21.1	
* 158 2-Butanone-d5	46	3.677	3.677	0.000	96	317692	250.0	250.0	
40 cis-1,2-Dichloroethene	96	3.710	3.710	0.000	98	82850	20.0	23.6	
41 2-Butanone (MEK)	72	3.735	3.735	0.000	97	42823	100.0	122.2	
42 Ethyl acetate	70	3.751	3.752	-0.001	98	16116	40.0	46.5	
43 Methyl acrylate	55	3.801	3.809	-0.008	78	59773	20.0	21.7	
44 Propionitrile	54	3.875	3.875	0.000	98	109571	200.0	245.5	
46 Tetrahydrofuran	72	3.941	3.941	0.000	81	19912	40.0	47.4	
45 Chlorobromomethane	128	3.949	3.949	0.000	94	37380	20.0	23.0	
47 Methacrylonitrile	67	3.982	3.982	0.000	91	325449	200.0	239.6	
48 Chloroform	83	4.023	4.023	0.000	99	142332	20.0	25.7	
49 Cyclohexane	84	4.122	4.122	0.000	90	80829	20.0	23.7	
50 1,1,1-Trichloroethane	97	4.155	4.147	0.008	98	99295	20.0	22.4	
$ 51 Dibromofluoromethane (Surr	113	4.196	4.196	0.000	95	130764	50.0	54.3	
52 Carbon tetrachloride	117	4.278	4.270	0.008	98	72312	20.0	21.8	
53 1,1-Dichloropropene	75	4.319	4.319	0.000	97	93617	20.0	23.3	
54 Isooctane	57	4.517	4.517	0.000	93	113671	20.0	24.4	
55 Benzene	78	4.533	4.533	0.000	95	291921	20.0	23.8	
$ 57 1,2-Dichloroethane-d4 (Sur	65	4.574	4.566	0.008	97	151899	50.0	51.7	
56 Isobutyl alcohol	43	4.566	4.574	-0.008	52	81024	500.0	490.4	M
58 Tert-amyl methyl ether	73	4.640	4.640	0.000	93	264994	20.0	22.4	
59 Isopropyl acetate	87	4.648	4.640	0.008	98	66518	20.0	21.8	
60 1,2-Dichloroethane	62	4.657	4.657	0.000	95	96052	20.0	22.5	
61 n-Heptane	57	4.747	4.747	0.000	88	22470	20.0	22.2	
* 62 Fluorobenzene	96	4.879	4.879	0.000	98	545226	50.0	50.0	
64 Trichloroethene	95	5.290	5.290	0.000	96	65497	20.0	21.4	
65 n-Butanol	56	5.364	5.406	-0.042	87	51878	500.0	614.7	
66 Methylcyclohexane	83	5.414	5.406	0.008	93	66717	20.0	23.6	
67 Ethyl acrylate	55	5.488	5.488	0.000	98	78235	20.0	20.8	
68 1,2-Dichloropropane	63	5.619	5.620	-0.001	94	76843	20.0	23.5	
* 69 1,4-Dioxane-d8	96	5.710	5.710	0.000	94	29722	1000.0	1000.0	
72 Methyl methacrylate	100	5.768	5.776	-0.008	91	34273	40.0	43.0	
70 Dibromomethane	93	5.784	5.776	0.008	92	44626	20.0	23.2	
71 1,4-Dioxane	88	5.776	5.776	0.000	37	17091	400.0	509.7	
73 n-Propyl acetate	43	5.858	5.858	0.000	98	90800	20.0	19.4	
74 Dichlorobromomethane	83	5.990	5.990	0.000	99	92774	20.0	22.6	
75 2-Nitropropane	41	6.393	6.393	0.000	97	28117	40.0	30.9	
77 Epichlorohydrin	57	6.533	6.533	0.000	99	107136	400.0	356.7	
78 cis-1,3-Dichloropropene	75	6.591	6.591	0.000	90	110627	20.0	21.9	
79 4-Methyl-2-pentanone (MIBK	43	6.804	6.805	-0.001	96	376124	100.0	112.2	
$ 80 Toluene-d8 (Surr)	98	6.854	6.854	0.000	97	456679	50.0	51.9	
81 Toluene	91	6.936	6.936	0.000	93	273969	20.0	23.1	
82 trans-1,3-Dichloropropene	75	7.348	7.348	0.000	94	91753	20.0	21.7	
83 Ethyl methacrylate	69	7.397	7.397	0.000	89	94813	20.0	22.4	
84 1,1,2-Trichloroethane	83	7.545	7.545	0.000	95	55121	20.0	22.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Tetrachloroethene	166	7.545	7.554	-0.009	93	48367	20.0	22.3	
86 1,3-Dichloropropane	76	7.726	7.726	0.000	93	109652	20.0	23.5	
87 2-Hexanone	43	7.809	7.809	0.000	95	234953	100.0	112.5	
88 Chlorodibromomethane	129	7.932	7.932	0.000	97	52543	20.0	20.0	
89 n-Butyl acetate	73	7.932	7.932	0.000	99	18540	20.0	21.5	
90 Ethylene Dibromide	107	8.039	8.039	0.000	98	63601	20.0	24.1	
* 91 Chlorobenzene-d5	117	8.483	8.484	-0.001	89	380404	50.0	50.0	
92 Chlorobenzene	112	8.516	8.517	-0.001	92	176980	20.0	24.6	
93 Ethylbenzene	106	8.599	8.599	0.000	99	84838	20.0	22.1	
94 1,1,1,2-Tetrachloroethane	131	8.615	8.624	-0.009	94	58457	20.0	21.4	
95 m-Xylene & p-Xylene	106	8.722	8.722	0.000	98	101482	20.0	22.3	
96 o-Xylene	106	9.092	9.093	-0.001	93	110517	20.0	22.8	
97 n-Butyl acrylate	73	9.109	9.109	0.000	97	58222	20.0	21.5	
98 Styrene	104	9.125	9.126	-0.001	95	180337	20.0	23.0	
100 Amyl acetate (mixed isomer	43	9.315	9.315	0.000	90	139440	20.0	21.1	
99 Bromoform	173	9.315	9.315	0.000	68	25073	20.0	16.8	
101 Isopropylbenzene	105	9.422	9.422	0.000	96	236567	20.0	23.5	
$ 102 4-Bromofluorobenzene	174	9.603	9.603	0.000	84	114135	50.0	50.9	
104 Bromobenzene	156	9.718	9.718	0.000	96	61454	20.0	23.2	
105 1,1,2,2-Tetrachloroethane	83	9.775	9.776	-0.001	98	89737	20.0	22.1	
106 N-Propylbenzene	91	9.784	9.784	0.000	99	268133	20.0	24.5	
107 1,2,3-Trichloropropane	110	9.808	9.809	-0.001	99	24843	20.0	24.0	
108 trans-1,4-Dichloro-2-buten	53	9.833	9.833	0.000	71	21001	20.0	20.7	
109 2-Chlorotoluene	91	9.874	9.874	0.000	96	211006	20.0	24.0	
110 4-Ethyltoluene	105	9.882	9.883	-0.001	97	225452	20.0	24.3	
111 1,3,5-Trimethylbenzene	105	9.940	9.940	0.000	93	191051	20.0	24.2	
112 4-Chlorotoluene	91	9.973	9.973	0.000	98	196408	20.0	24.6	
113 Butyl Methacrylate	87	10.039	10.039	0.000	90	97186	20.0	22.2	
114 tert-Butylbenzene	119	10.195	10.195	0.000	92	133473	20.0	23.2	
115 1,2,4-Trimethylbenzene	105	10.253	10.253	0.000	98	203875	20.0	23.4	
116 sec-Butylbenzene	105	10.376	10.376	0.000	99	194674	20.0	23.8	
118 4-Isopropyltoluene	119	10.500	10.500	0.000	97	161202	20.0	23.2	
117 1,3-Dichlorobenzene	146	10.508	10.508	0.000	92	99710	20.0	22.6	
* 119 1,4-Dichlorobenzene-d4	152	10.565	10.566	-0.001	97	172089	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.582	10.590	-0.008	93	108522	20.0	23.1	
121 Benzyl chloride	91	10.705	10.714	-0.009	98	124733	20.0	17.3	
122 2,3-Dihydroindene	117	10.755	10.763	-0.008	94	224791	20.0	23.7	
123 p-Diethylbenzene	119	10.804	10.804	0.000	92	92484	20.0	23.6	
124 n-Butylbenzene	91	10.829	10.829	0.000	95	180108	20.0	23.4	
125 1,2-Dichlorobenzene	146	10.886	10.887	-0.001	94	108278	20.0	23.2	
126 1,2,4,5-Tetramethylbenzene	119	11.421	11.422	-0.001	97	157361	20.0	22.6	
127 1,2-Dibromo-3-Chloropropan	75	11.520	11.520	0.000	91	13202	20.0	18.7	
128 1,3,5-Trichlorobenzene	180	11.627	11.627	0.000	97	57676	20.0	23.1	
130 1,2,4-Trichlorobenzene	180	12.113	12.113	0.000	94	54495	20.0	23.0	
131 Hexachlorobutadiene	225	12.195	12.195	0.000	91	18784	20.0	19.5	
132 Naphthalene	128	12.310	12.310	0.000	99	200479	20.0	22.3	
133 1,2,3-Trichlorobenzene	180	12.508	12.508	0.000	95	50902	20.0	22.9	
S 134 1,2-Dichloroethene, Total	100				0		40.0	46.7	
S 135 Xylenes, Total	100				0		40.0	45.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00049	Amount Added:	4.00	Units: uL	
GASES Li_00148	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00034	Amount Added:	20.00	Units: uL	
8260ISNEW_00059	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00116	Amount Added:	1.00	Units: uL	Run Reagent

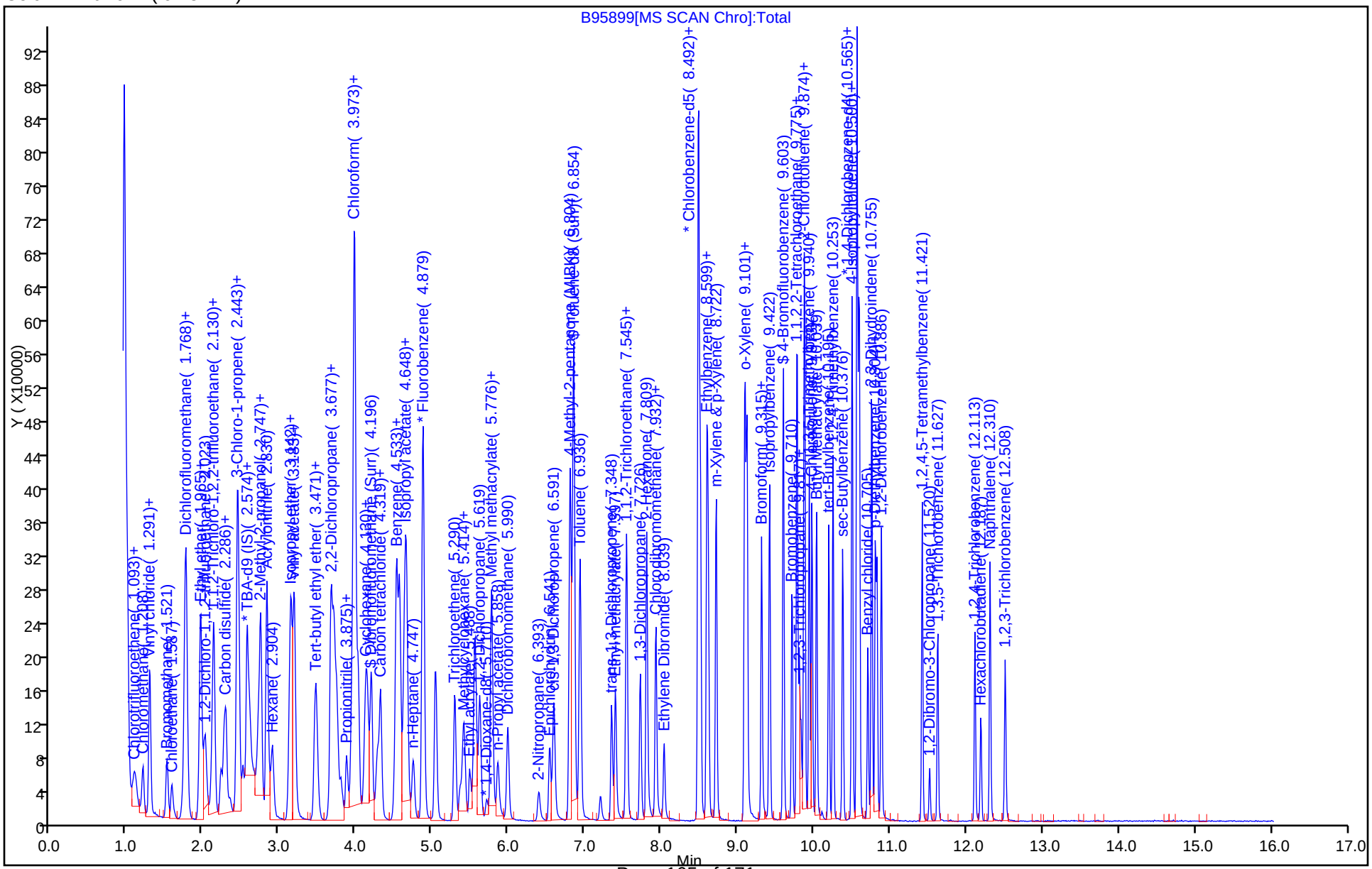
Report Date: 11-Apr-2016 16:01:19 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160408-39617.b\B95899.D

Injection Date:	08-Apr-2016 13:24:30	Instrument ID:	CVOAMS2	Operator ID:	
Lims ID:	460-111295-D-8 MSD			Worklist Smp#:	16
Client ID:	MW014G0316				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8260W_2	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Instrument ID: CVOAMS2 Start Date: 04/07/2016 00:12

Analysis Batch Number: 361163 End Date: 04/07/2016 05:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-361163/1		04/07/2016 00:12	1	B95814.D	Rtx-624 0.25(mm)
STD8 460-361163/2 IC		04/07/2016 00:39	1	B95815.D	Rtx-624 0.25(mm)
STD1 460-361163/4 IC		04/07/2016 01:27	1	B95817.D	Rtx-624 0.25(mm)
STD5 460-361163/5 IC		04/07/2016 01:51	1	B95818.D	Rtx-624 0.25(mm)
STD20 460-361163/6 ICIS		04/07/2016 02:15	1	B95819.D	Rtx-624 0.25(mm)
STD50 460-361163/7 IC		04/07/2016 02:39	1	B95820.D	Rtx-624 0.25(mm)
STD200 460-361163/8 IC		04/07/2016 03:02	1	B95821.D	Rtx-624 0.25(mm)
STD500 460-361163/9 IC		04/07/2016 03:27	1	B95822.D	Rtx-624 0.25(mm)
ICV 460-361163/14		04/07/2016 05:29	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-111491-1

SDG No.:

Instrument ID: CVOAMS2 Start Date: 04/08/2016 06:19

Analysis Batch Number: 361444 End Date: 04/08/2016 17:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-361444/1		04/08/2016 06:19	1	B95884.D	Rtx-624 0.25(mm)
CCVIS 460-361444/2		04/08/2016 07:36	1	B95885.D	Rtx-624 0.25(mm)
LCS 460-361444/3		04/08/2016 08:10	1	B95886.D	Rtx-624 0.25(mm)
ZZZZZ		04/08/2016 08:35	1		Rtx-624 0.25(mm)
MB 460-361444/7		04/08/2016 09:47	1	B95890.D	Rtx-624 0.25(mm)
ZZZZZ		04/08/2016 10:11	1		Rtx-624 0.25(mm)
ZZZZZ		04/08/2016 10:35	1		Rtx-624 0.25(mm)
ZZZZZ		04/08/2016 10:59	1		Rtx-624 0.25(mm)
ZZZZZ		04/08/2016 11:24	1		Rtx-624 0.25(mm)
ZZZZZ		04/08/2016 11:47	1		Rtx-624 0.25(mm)
ZZZZZ		04/08/2016 12:11	1		Rtx-624 0.25(mm)
ZZZZZ		04/08/2016 12:36	1		Rtx-624 0.25(mm)
460-111295-C-8 MS		04/08/2016 13:00	1	B95898.D	Rtx-624 0.25(mm)
460-111295-D-8 MSD		04/08/2016 13:24	1	B95899.D	Rtx-624 0.25(mm)
ZZZZZ		04/08/2016 14:12	1		Rtx-624 0.25(mm)
ZZZZZ		04/08/2016 14:36	1		Rtx-624 0.25(mm)
ZZZZZ		04/08/2016 15:01	1		Rtx-624 0.25(mm)
ZZZZZ		04/08/2016 15:25	1		Rtx-624 0.25(mm)
ZZZZZ		04/08/2016 15:49	1		Rtx-624 0.25(mm)
ZZZZZ		04/08/2016 16:13	1		Rtx-624 0.25(mm)
ZZZZZ		04/08/2016 16:38	1		Rtx-624 0.25(mm)
460-111491-1		04/08/2016 17:02	1	B95908.D	Rtx-624 0.25(mm)
460-111491-2		04/08/2016 17:25	1	B95909.D	Rtx-624 0.25(mm)
460-111491-3		04/08/2016 17:49	1	B95910.D	Rtx-624 0.25(mm)

Shipping and Receiving Documents

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANAI

460-111491 Chain of Custody

irham Road
/ Jersey 08817
) 549-3900 Fax: (732) 549-3679

Page 1 of 1

Name (for report and invoice) Bruce Mangariello	Samplers Name (Printed) N. Murray	1192- Stony Point
Company ECM, INC.	P. O. #	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program: NYSDEC
Address 349 Rt. 206	Analysis Turnaround Time Standard ☒	
City Hillsborough State NJ 08844	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	
Phone 908 874 0990 Fax 908874 0920		

Sample Identification	Date	Time	Matrix	No. of Cont.	NYSDEC TCL VOCs + 1,4-Dioxane w/ Search mib	LAB USE ONLY Project No: Job No: 111491 Sample Numbers
MW-31	3/31/16	1105	GW	3	X	-1
MW-36	↓	1020	↓	3	X	-2
MW-71	↓	1135	↓	3	X	-3

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil:

6 = Other _____, 7 = Other _____ — Water: 1/2

Special Instructions _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1)	ECM, INC.	3/31/16 1330	1)	TFS
Relinquished by 2)	Company	Date / Time	Received by 2)	Company 3/31/16
Relinquished by 3)	Company	Date / Time	Received by 3)	Company 13:30
Relinquished by 4)	Company	Date / Time	Received by 4)	Company 1.6 / 2.c -dc

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0814)

Massachusetts (M-NJ312), North Carolina (No. 578)

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 11491

Number of Coolers: 1 IR Gun # 6

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.6 °C	7.6 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: KA Date: 3/31/16

Login Sample Receipt Checklist

Client: ECM, Inc.

Job Number: 460-111491-1

Login Number: 111491
List Number: 1
Creator: Rivera, Kenneth

List Source: TestAmerica Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6°C, IR #6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 460-121166-1

Job Description: 1192 - AGWM 9/2016

For:
ECM, Inc.
349 Route 206 North
Hillsborough Prof. Bldg.
Hillsborough, NJ 08844

Attention: Mr. Bruce Manganiello

Approved for release.
Elizabeth J Flannery
Project Management Assistant I
10/13/2016 8:26 AM

Designee for
Grace Chang, Project Manager II
777 New Durham Road, Edison, NJ, 08817
(732)593-2579
grace.chang@testamericainc.com
10/13/2016

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

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CASE NARRATIVE

Client: ECM, Inc.

Project: 1192 - AGWM 9/2016

Report Number: 460-121166-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 9/27/2016 2:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.2º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANICS
Samples Trip Blank (460-121166-1), Field Blank (460-121166-2), PZ-23 (460-121166-3), MW-36 (460-121166-4), MW-31 (460-121166-5), MW-24 (460-121166-6) and MW-71 (460-121166-7) were analyzed for Volatile organics in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 10/07/2016.

The continuing calibration verification (CCV) analyzed in batch 460-395562 was outside the method criteria for the following analyte(s): Bromomethane and Bromoform. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-395751 was outside the method criteria for the following analyte(s): Chloroethane, Bromomethane (biased high); 1,1,2-Trichloroethane, Bromoform (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) for analytical batch 460-395751 recovered outside control limits for the following analytes: Chloroethane and Bromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. Bromomethane and Chloroethane failed the recovery criteria high for LCS 460-395751/3. Refer to the QC report for details.

Chlorobenzene and Ethylbenzene failed the recovery criteria low for the MS of sample 460-121091-4 in batch 460-395751. Bromomethane and Chloroethane failed the recovery criteria high.

Ethylbenzene failed the recovery criteria low for the MSD of sample 460-121091-4 in batch 460-395751. Bromomethane failed the recovery criteria high.

Refer to the QC report for details.

No other difficulties were encountered during the Volatile organics analysis.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: ECM, Inc.
Project/Site: 1192 - AGWM 9/2016

TestAmerica Job ID: 460-121166-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-121166-1	Trip Blank	Water	09/27/16 11:50	09/27/16 14:15
460-121166-2	Field Blank	Water	09/27/16 09:15	09/27/16 14:15
460-121166-3	PZ-23	Water	09/27/16 09:20	09/27/16 14:15
460-121166-4	MW-36	Water	09/27/16 12:15	09/27/16 14:15
460-121166-5	MW-31	Water	09/27/16 10:35	09/27/16 14:15
460-121166-6	MW-24	Water	09/27/16 11:30	09/27/16 14:15
460-121166-7	MW-71	Water	09/27/16 11:50	09/27/16 14:15

Detection Summary

Client: ECM, Inc.
Project/Site: 1192 - AGWM 9/2016

TestAmerica Job ID: 460-121166-1

Client Sample ID: Trip Blank — Lab Sample ID: 460-121166-1

No Detections.

Client Sample ID: Field Blank — Lab Sample ID: 460-121166-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.4		5.0	1.1	ug/L	1		8260C	Total/NA
Methylene Chloride	0.34	J	1.0	0.21	ug/L	1		8260C	Total/NA

Client Sample ID: PZ-23 — Lab Sample ID: 460-121166-3

No Detections.

Client Sample ID: MW-36 — Lab Sample ID: 460-121166-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1.1		1.0	0.24	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.18	J	1.0	0.12	ug/L	1		8260C	Total/NA

Client Sample ID: MW-31 — Lab Sample ID: 460-121166-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	8.8		1.0	0.090	ug/L	1		8260C	Total/NA
Chlorobenzene	170		1.0	0.24	ug/L	1		8260C	Total/NA
Chloroethane	130		1.0	0.37	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.20	J	1.0	0.12	ug/L	1		8260C	Total/NA
Toluene	0.67	J	1.0	0.25	ug/L	1		8260C	Total/NA
Xylenes, Total	0.39	J	2.0	0.28	ug/L	1		8260C	Total/NA

Client Sample ID: MW-24 — Lab Sample ID: 460-121166-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.86	J	1.0	0.090	ug/L	1		8260C	Total/NA
Chlorobenzene	46		1.0	0.24	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	36		1.0	0.26	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.70	J	1.0	0.12	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	25		1.0	0.18	ug/L	1		8260C	Total/NA
Trichloroethene	7.3		1.0	0.22	ug/L	1		8260C	Total/NA
Vinyl chloride	5.2		1.0	0.060	ug/L	1		8260C	Total/NA

Client Sample ID: MW-71 — Lab Sample ID: 460-121166-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.5		1.0	0.24	ug/L	1		8260C	Total/NA
Benzene	4.3		1.0	0.090	ug/L	1		8260C	Total/NA
Chlorobenzene	64		1.0	0.24	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: ECM, Inc.
Project/Site: 1192 - AGWM 9/2016

TestAmerica Job ID: 460-121166-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI

Protocol References:

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

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Client Sample ID: Trip Blank

Date Collected: 09/27/16 11:50
Date Received: 09/27/16 14:15

Lab Sample ID: 460-121166-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.28	U	1.0	0.28	ug/L			10/07/16 15:06	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			10/07/16 15:06	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			10/07/16 15:06	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			10/07/16 15:06	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			10/07/16 15:06	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			10/07/16 15:06	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/07/16 15:06	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			10/07/16 15:06	1
2-Butanone	2.2	U	5.0	2.2	ug/L			10/07/16 15:06	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			10/07/16 15:06	1
MIBK	0.63	U	5.0	0.63	ug/L			10/07/16 15:06	1
Acetone	1.1	U	5.0	1.1	ug/L			10/07/16 15:06	1
Benzene	0.090	U	1.0	0.090	ug/L			10/07/16 15:06	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			10/07/16 15:06	1
Bromoform	0.18	U	1.0	0.18	ug/L			10/07/16 15:06	1
Bromomethane	0.18	U	1.0	0.18	ug/L			10/07/16 15:06	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			10/07/16 15:06	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			10/07/16 15:06	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			10/07/16 15:06	1
Chloroethane	0.37	U	1.0	0.37	ug/L			10/07/16 15:06	1
Chloroform	0.22	U	1.0	0.22	ug/L			10/07/16 15:06	1
Chloromethane	0.22	U	1.0	0.22	ug/L			10/07/16 15:06	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			10/07/16 15:06	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			10/07/16 15:06	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			10/07/16 15:06	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			10/07/16 15:06	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			10/07/16 15:06	1
Styrene	0.17	U	1.0	0.17	ug/L			10/07/16 15:06	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			10/07/16 15:06	1
Toluene	0.25	U	1.0	0.25	ug/L			10/07/16 15:06	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			10/07/16 15:06	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			10/07/16 15:06	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			10/07/16 15:06	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			10/07/16 15:06	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			10/07/16 15:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/07/16 15:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*74 - 132*		*10/07/16 15:06*	*1*
Bromofluorobenzene	*96*		*77 - 124*		*10/07/16 15:06*	*1*
Dibromofluoromethane (Surr)	*100*		*72 - 131*		*10/07/16 15:06*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/07/16 15:06*	*1*

Client Sample ID: Field Blank

Date Collected: 09/27/16 09:15
Date Received: 09/27/16 14:15

Lab Sample ID: 460-121166-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.28	U	1.0	0.28	ug/L			10/07/16 20:26	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			10/07/16 20:26	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			10/07/16 20:26	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			10/07/16 20:26	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			10/07/16 20:26	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			10/07/16 20:26	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/07/16 20:26	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			10/07/16 20:26	1
2-Butanone	2.2	U	5.0	2.2	ug/L			10/07/16 20:26	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			10/07/16 20:26	1
MIBK	0.63	U	5.0	0.63	ug/L			10/07/16 20:26	1
Acetone	**6.4**		5.0	1.1	ug/L			10/07/16 20:26	1
Benzene	0.090	U	1.0	0.090	ug/L			10/07/16 20:26	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			10/07/16 20:26	1
Bromoform	0.18	U	1.0	0.18	ug/L			10/07/16 20:26	1
Bromomethane	0.18	U *	1.0	0.18	ug/L			10/07/16 20:26	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			10/07/16 20:26	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			10/07/16 20:26	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			10/07/16 20:26	1
Chloroethane	0.37	U *	1.0	0.37	ug/L			10/07/16 20:26	1
Chloroform	0.22	U	1.0	0.22	ug/L			10/07/16 20:26	1
Chloromethane	0.22	U	1.0	0.22	ug/L			10/07/16 20:26	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			10/07/16 20:26	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			10/07/16 20:26	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			10/07/16 20:26	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			10/07/16 20:26	1
Methylene Chloride	**0.34**	**J**	1.0	0.21	ug/L			10/07/16 20:26	1
Styrene	0.17	U	1.0	0.17	ug/L			10/07/16 20:26	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			10/07/16 20:26	1
Toluene	0.25	U	1.0	0.25	ug/L			10/07/16 20:26	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			10/07/16 20:26	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			10/07/16 20:26	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			10/07/16 20:26	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			10/07/16 20:26	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			10/07/16 20:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/07/16 20:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*74 - 132*		*10/07/16 20:26*	*1*
Bromofluorobenzene	*99*		*77 - 124*		*10/07/16 20:26*	*1*
Dibromofluoromethane (Surr)	*96*		*72 - 131*		*10/07/16 20:26*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/07/16 20:26*	*1*

Client Sample ID: PZ-23

Date Collected: 09/27/16 09:20
Date Received: 09/27/16 14:15

Lab Sample ID: 460-121166-3

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.28	U	1.0	0.28	ug/L			10/07/16 16:01	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			10/07/16 16:01	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			10/07/16 16:01	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			10/07/16 16:01	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			10/07/16 16:01	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			10/07/16 16:01	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/07/16 16:01	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			10/07/16 16:01	1
2-Butanone	2.2	U	5.0	2.2	ug/L			10/07/16 16:01	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			10/07/16 16:01	1
MIBK	0.63	U	5.0	0.63	ug/L			10/07/16 16:01	1
Acetone	1.1	U	5.0	1.1	ug/L			10/07/16 16:01	1
Benzene	0.090	U	1.0	0.090	ug/L			10/07/16 16:01	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			10/07/16 16:01	1
Bromoform	0.18	U	1.0	0.18	ug/L			10/07/16 16:01	1
Bromomethane	0.18	U	1.0	0.18	ug/L			10/07/16 16:01	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			10/07/16 16:01	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			10/07/16 16:01	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			10/07/16 16:01	1
Chloroethane	0.37	U	1.0	0.37	ug/L			10/07/16 16:01	1
Chloroform	0.22	U	1.0	0.22	ug/L			10/07/16 16:01	1
Chloromethane	0.22	U	1.0	0.22	ug/L			10/07/16 16:01	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			10/07/16 16:01	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			10/07/16 16:01	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			10/07/16 16:01	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			10/07/16 16:01	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			10/07/16 16:01	1
Styrene	0.17	U	1.0	0.17	ug/L			10/07/16 16:01	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			10/07/16 16:01	1
Toluene	0.25	U	1.0	0.25	ug/L			10/07/16 16:01	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			10/07/16 16:01	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			10/07/16 16:01	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			10/07/16 16:01	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			10/07/16 16:01	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			10/07/16 16:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethyl ether	*7.3*	*J N*	*ug/L*		*1.75*	*60-29-7*		*10/07/16 16:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*74 - 132*		*10/07/16 16:01*	*1*
Bromofluorobenzene	*93*		*77 - 124*		*10/07/16 16:01*	*1*
Dibromofluoromethane (Surr)	*95*		*72 - 131*		*10/07/16 16:01*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/07/16 16:01*	*1*

Client Sample ID: MW-36

Date Collected: 09/27/16 12:15
Date Received: 09/27/16 14:15

Lab Sample ID: 460-121166-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.28	U	1.0	0.28	ug/L			10/07/16 16:29	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			10/07/16 16:29	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			10/07/16 16:29	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			10/07/16 16:29	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			10/07/16 16:29	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			10/07/16 16:29	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/07/16 16:29	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			10/07/16 16:29	1
2-Butanone	2.2	U	5.0	2.2	ug/L			10/07/16 16:29	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			10/07/16 16:29	1
MIBK	0.63	U	5.0	0.63	ug/L			10/07/16 16:29	1
Acetone	1.1	U	5.0	1.1	ug/L			10/07/16 16:29	1
Benzene	0.090	U	1.0	0.090	ug/L			10/07/16 16:29	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			10/07/16 16:29	1
Bromoform	0.18	U	1.0	0.18	ug/L			10/07/16 16:29	1
Bromomethane	0.18	U	1.0	0.18	ug/L			10/07/16 16:29	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			10/07/16 16:29	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			10/07/16 16:29	1
Chlorobenzene	**1.1**		1.0	0.24	ug/L			10/07/16 16:29	1
Chloroethane	0.37	U	1.0	0.37	ug/L			10/07/16 16:29	1
Chloroform	0.22	U	1.0	0.22	ug/L			10/07/16 16:29	1
Chloromethane	0.22	U	1.0	0.22	ug/L			10/07/16 16:29	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			10/07/16 16:29	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			10/07/16 16:29	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			10/07/16 16:29	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			10/07/16 16:29	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			10/07/16 16:29	1
Styrene	0.17	U	1.0	0.17	ug/L			10/07/16 16:29	1
Tetrachloroethene	**0.18**	**J**	1.0	0.12	ug/L			10/07/16 16:29	1
Toluene	0.25	U	1.0	0.25	ug/L			10/07/16 16:29	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			10/07/16 16:29	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			10/07/16 16:29	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			10/07/16 16:29	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			10/07/16 16:29	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			10/07/16 16:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/07/16 16:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*74 - 132*		*10/07/16 16:29*	*1*
Bromofluorobenzene	*97*		*77 - 124*		*10/07/16 16:29*	*1*
Dibromofluoromethane (Surr)	*100*		*72 - 131*		*10/07/16 16:29*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/07/16 16:29*	*1*

Client Sample ID: MW-31

Date Collected: 09/27/16 10:35
Date Received: 09/27/16 14:15

Lab Sample ID: 460-121166-5

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.28	U	1.0	0.28	ug/L			10/07/16 16:57	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			10/07/16 16:57	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			10/07/16 16:57	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			10/07/16 16:57	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			10/07/16 16:57	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			10/07/16 16:57	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/07/16 16:57	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			10/07/16 16:57	1
2-Butanone	2.2	U	5.0	2.2	ug/L			10/07/16 16:57	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			10/07/16 16:57	1
MIBK	0.63	U	5.0	0.63	ug/L			10/07/16 16:57	1
Acetone	1.1	U	5.0	1.1	ug/L			10/07/16 16:57	1
Benzene	**8.8**		1.0	0.090	ug/L			10/07/16 16:57	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			10/07/16 16:57	1
Bromoform	0.18	U	1.0	0.18	ug/L			10/07/16 16:57	1
Bromomethane	0.18	U	1.0	0.18	ug/L			10/07/16 16:57	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			10/07/16 16:57	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			10/07/16 16:57	1
Chlorobenzene	**170**		1.0	0.24	ug/L			10/07/16 16:57	1
Chloroethane	**130**		1.0	0.37	ug/L			10/07/16 16:57	1
Chloroform	0.22	U	1.0	0.22	ug/L			10/07/16 16:57	1
Chloromethane	0.22	U	1.0	0.22	ug/L			10/07/16 16:57	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			10/07/16 16:57	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			10/07/16 16:57	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			10/07/16 16:57	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			10/07/16 16:57	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			10/07/16 16:57	1
Styrene	0.17	U	1.0	0.17	ug/L			10/07/16 16:57	1
Tetrachloroethene	**0.20**	**J**	1.0	0.12	ug/L			10/07/16 16:57	1
Toluene	**0.67**	**J**	1.0	0.25	ug/L			10/07/16 16:57	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			10/07/16 16:57	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			10/07/16 16:57	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			10/07/16 16:57	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			10/07/16 16:57	1
Xylenes, Total	**0.39**	**J**	2.0	0.28	ug/L			10/07/16 16:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethyl ether	*49*	*J N*	*ug/L*		*1.75*	*60-29-7*		*10/07/16 16:57*	*1*
2-Butene, 1-chloro-	*5.3*	*J N*	*ug/L*		*7.81*	*591-97-9*		*10/07/16 16:57*	*1*
Benzene, 1-chloro-2-methyl-	*34*	*J N*	*ug/L*		*10.31*	*95-49-8*		*10/07/16 16:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*74 - 132*		*10/07/16 16:57*	*1*
Bromofluorobenzene	*103*		*77 - 124*		*10/07/16 16:57*	*1*
Dibromofluoromethane (Surr)	*104*		*72 - 131*		*10/07/16 16:57*	*1*
Toluene-d8 (Surr)	*112*		*80 - 120*		*10/07/16 16:57*	*1*

Client Sample ID: MW-24

Date Collected: 09/27/16 11:30
Date Received: 09/27/16 14:15

Lab Sample ID: 460-121166-6

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.28	U	1.0	0.28	ug/L			10/07/16 21:21	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			10/07/16 21:21	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			10/07/16 21:21	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			10/07/16 21:21	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			10/07/16 21:21	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			10/07/16 21:21	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/07/16 21:21	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			10/07/16 21:21	1
2-Butanone	2.2	U	5.0	2.2	ug/L			10/07/16 21:21	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			10/07/16 21:21	1
MIBK	0.63	U	5.0	0.63	ug/L			10/07/16 21:21	1
Acetone	1.1	U	5.0	1.1	ug/L			10/07/16 21:21	1
Benzene	**0.86**	**J**	1.0	0.090	ug/L			10/07/16 21:21	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			10/07/16 21:21	1
Bromoform	0.18	U	1.0	0.18	ug/L			10/07/16 21:21	1
Bromomethane	0.18	U *	1.0	0.18	ug/L			10/07/16 21:21	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			10/07/16 21:21	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			10/07/16 21:21	1
Chlorobenzene	**46**		1.0	0.24	ug/L			10/07/16 21:21	1
Chloroethane	0.37	U *	1.0	0.37	ug/L			10/07/16 21:21	1
Chloroform	0.22	U	1.0	0.22	ug/L			10/07/16 21:21	1
Chloromethane	0.22	U	1.0	0.22	ug/L			10/07/16 21:21	1
cis-1,2-Dichloroethene	**36**		1.0	0.26	ug/L			10/07/16 21:21	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			10/07/16 21:21	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			10/07/16 21:21	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			10/07/16 21:21	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			10/07/16 21:21	1
Styrene	0.17	U	1.0	0.17	ug/L			10/07/16 21:21	1
Tetrachloroethene	**0.70**	**J**	1.0	0.12	ug/L			10/07/16 21:21	1
Toluene	0.25	U	1.0	0.25	ug/L			10/07/16 21:21	1
trans-1,2-Dichloroethene	**25**		1.0	0.18	ug/L			10/07/16 21:21	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			10/07/16 21:21	1
Trichloroethene	**7.3**		1.0	0.22	ug/L			10/07/16 21:21	1
Vinyl chloride	**5.2**		1.0	0.060	ug/L			10/07/16 21:21	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			10/07/16 21:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/07/16 21:21*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*74 - 132*		*10/07/16 21:21*	*1*
Bromofluorobenzene	*94*		*77 - 124*		*10/07/16 21:21*	*1*
Dibromofluoromethane (Surr)	*93*		*72 - 131*		*10/07/16 21:21*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/07/16 21:21*	*1*

Client Sample ID: MW-71

Date Collected: 09/27/16 11:50
Date Received: 09/27/16 14:15

Lab Sample ID: 460-121166-7

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.28	U	1.0	0.28	ug/L			10/07/16 21:48	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			10/07/16 21:48	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			10/07/16 21:48	1
1,1-Dichloroethane	**2.5**		1.0	0.24	ug/L			10/07/16 21:48	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			10/07/16 21:48	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			10/07/16 21:48	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/07/16 21:48	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			10/07/16 21:48	1
2-Butanone	2.2	U	5.0	2.2	ug/L			10/07/16 21:48	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			10/07/16 21:48	1
MIBK	0.63	U	5.0	0.63	ug/L			10/07/16 21:48	1
Acetone	1.1	U	5.0	1.1	ug/L			10/07/16 21:48	1
Benzene	**4.3**		1.0	0.090	ug/L			10/07/16 21:48	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			10/07/16 21:48	1
Bromoform	0.18	U	1.0	0.18	ug/L			10/07/16 21:48	1
Bromomethane	0.18	U *	1.0	0.18	ug/L			10/07/16 21:48	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			10/07/16 21:48	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			10/07/16 21:48	1
Chlorobenzene	**64**		1.0	0.24	ug/L			10/07/16 21:48	1
Chloroethane	0.37	U *	1.0	0.37	ug/L			10/07/16 21:48	1
Chloroform	0.22	U	1.0	0.22	ug/L			10/07/16 21:48	1
Chloromethane	0.22	U	1.0	0.22	ug/L			10/07/16 21:48	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			10/07/16 21:48	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			10/07/16 21:48	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			10/07/16 21:48	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			10/07/16 21:48	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			10/07/16 21:48	1
Styrene	0.17	U	1.0	0.17	ug/L			10/07/16 21:48	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			10/07/16 21:48	1
Toluene	0.25	U	1.0	0.25	ug/L			10/07/16 21:48	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			10/07/16 21:48	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			10/07/16 21:48	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			10/07/16 21:48	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			10/07/16 21:48	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			10/07/16 21:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethyl ether	*19*	*J N*	*ug/L*		*1.75*	*60-29-7*		*10/07/16 21:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*74 - 132*		*10/07/16 21:48*	*1*
Bromofluorobenzene	*100*		*77 - 124*		*10/07/16 21:48*	*1*
Dibromofluoromethane (Surr)	*98*		*72 - 131*		*10/07/16 21:48*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/07/16 21:48*	*1*

Surrogate Summary

Client: ECM, Inc.
Project/Site: 1192 - AGWM 9/2016

TestAmerica Job ID: 460-121166-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (74-132)	BFB (77-124)	DBFM (72-131)	TOL (80-120)
460-121091-A-4 MS	Matrix Spike	103	96	102	102
460-121091-A-4 MSD	Matrix Spike Duplicate	97	98	101	106
460-121166-1	Trip Blank	103	96	100	101
460-121166-2	Field Blank	95	99	96	106
460-121166-3	PZ-23	100	93	95	96
460-121166-4	MW-36	103	97	100	99
460-121166-5	MW-31	105	103	104	112
460-121166-6	MW-24	99	94	93	102
460-121166-7	MW-71	95	100	98	101
LCS 460-395562/3	Lab Control Sample	92	94	94	103
LCS 460-395751/3	Lab Control Sample	100	91	99	104
LCSD 460-395562/4	Lab Control Sample Dup	98	100	97	106
MB 460-395562/7	Method Blank	102	98	102	104
MB 460-395751/7	Method Blank	107	99	104	105

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-395562/7
Matrix: Water
Analysis Batch: 395562

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.28	U	1.0	0.28	ug/L			10/07/16 08:38	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			10/07/16 08:38	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			10/07/16 08:38	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			10/07/16 08:38	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			10/07/16 08:38	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			10/07/16 08:38	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/07/16 08:38	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			10/07/16 08:38	1
2-Butanone	2.2	U	5.0	2.2	ug/L			10/07/16 08:38	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			10/07/16 08:38	1
MIBK	0.63	U	5.0	0.63	ug/L			10/07/16 08:38	1
Acetone	1.1	U	5.0	1.1	ug/L			10/07/16 08:38	1
Benzene	0.090	U	1.0	0.090	ug/L			10/07/16 08:38	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			10/07/16 08:38	1
Bromoform	0.18	U	1.0	0.18	ug/L			10/07/16 08:38	1
Bromomethane	0.18	U	1.0	0.18	ug/L			10/07/16 08:38	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			10/07/16 08:38	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			10/07/16 08:38	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			10/07/16 08:38	1
Chloroethane	0.37	U	1.0	0.37	ug/L			10/07/16 08:38	1
Chloroform	0.22	U	1.0	0.22	ug/L			10/07/16 08:38	1
Chloromethane	0.22	U	1.0	0.22	ug/L			10/07/16 08:38	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			10/07/16 08:38	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			10/07/16 08:38	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			10/07/16 08:38	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			10/07/16 08:38	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			10/07/16 08:38	1
Styrene	0.17	U	1.0	0.17	ug/L			10/07/16 08:38	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			10/07/16 08:38	1
Toluene	0.25	U	1.0	0.25	ug/L			10/07/16 08:38	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			10/07/16 08:38	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			10/07/16 08:38	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			10/07/16 08:38	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			10/07/16 08:38	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			10/07/16 08:38	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/07/16 08:38*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*74 - 132*		*10/07/16 08:38*	*1*
Bromofluorobenzene	*98*		*77 - 124*		*10/07/16 08:38*	*1*
Dibromofluoromethane (Surr)	*102*		*72 - 131*		*10/07/16 08:38*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/07/16 08:38*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-395562/3
Matrix: Water
Analysis Batch: 395562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	17.8		ug/L		89	75 - 125
1,1,2,2-Tetrachloroethane	20.0	21.6		ug/L		108	74 - 120
1,1,2-Trichloroethane	20.0	21.0		ug/L		105	78 - 120
1,1-Dichloroethane	20.0	20.4		ug/L		102	77 - 123
1,1-Dichloroethene	20.0	18.3		ug/L		92	74 - 123
1,2-Dichloroethane	20.0	19.8		ug/L		99	76 - 121
1,2-Dichloropropane	20.0	20.0		ug/L		100	77 - 123
1,4-Dioxane	400	408		ug/L		102	10 - 150
2-Butanone	100	94.2		ug/L		94	64 - 120
2-Hexanone	100	101		ug/L		101	71 - 125
MIBK	100	102		ug/L		102	78 - 124
Acetone	100	76.7		ug/L		77	39 - 150
Benzene	20.0	20.9		ug/L		104	77 - 121
Bromodichloromethane	20.0	18.6		ug/L		93	76 - 120
Bromoform	20.0	16.0		ug/L		80	53 - 120
Bromomethane	20.0	9.64		ug/L		48	10 - 150
Carbon disulfide	20.0	16.3		ug/L		82	69 - 133
Carbon tetrachloride	20.0	17.6		ug/L		88	70 - 132
Chlorobenzene	20.0	20.8		ug/L		104	80 - 120
Chloroethane	20.0	14.5		ug/L		72	52 - 150
Chloroform	20.0	19.3		ug/L		96	80 - 120
Chloromethane	20.0	16.4		ug/L		82	56 - 131
cis-1,2-Dichloroethene	20.0	19.3		ug/L		96	80 - 120
cis-1,3-Dichloropropene	20.0	19.2		ug/L		96	77 - 120
Dibromochloromethane	20.0	18.5		ug/L		93	73 - 120
Ethylbenzene	20.0	20.3		ug/L		101	80 - 120
Methylene Chloride	20.0	19.9		ug/L		99	77 - 123
Styrene	20.0	21.6		ug/L		108	80 - 120
Tetrachloroethene	20.0	19.9		ug/L		100	78 - 122
Toluene	20.0	21.1		ug/L		106	80 - 120
trans-1,2-Dichloroethene	20.0	20.2		ug/L		101	79 - 120
trans-1,3-Dichloropropene	20.0	19.5		ug/L		98	76 - 120
Trichloroethene	20.0	19.3		ug/L		96	77 - 120
Vinyl chloride	20.0	17.1		ug/L		85	62 - 138
Xylenes, Total	40.0	41.2		ug/L		103	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*74 - 132*
Bromofluorobenzene	*94*		*77 - 124*
Dibromofluoromethane (Surr)	*94*		*72 - 131*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LCSD 460-395562/4
Matrix: Water
Analysis Batch: 395562

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	19.3		ug/L		97	75 - 125	8	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-395562/4
Matrix: Water
Analysis Batch: 395562

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	20.0	21.4		ug/L		107	74 - 120	1	30
1,1,2-Trichloroethane	20.0	21.9		ug/L		110	78 - 120	4	30
1,1-Dichloroethane	20.0	20.6		ug/L		103	77 - 123	1	30
1,1-Dichloroethene	20.0	19.3		ug/L		96	74 - 123	5	30
1,2-Dichloroethane	20.0	18.7		ug/L		93	76 - 121	6	30
1,2-Dichloropropane	20.0	20.4		ug/L		102	77 - 123	2	30
1,4-Dioxane	400	395		ug/L		99	10 - 150	3	30
2-Butanone	100	93.3		ug/L		93	64 - 120	1	30
2-Hexanone	100	96.3		ug/L		96	71 - 125	5	30
MIBK	100	101		ug/L		101	78 - 124	1	30
Acetone	100	72.2		ug/L		72	39 - 150	6	30
Benzene	20.0	20.0		ug/L		100	77 - 121	4	30
Bromodichloromethane	20.0	18.0		ug/L		90	76 - 120	3	30
Bromoform	20.0	16.2		ug/L		81	53 - 120	1	30
Bromomethane	20.0	9.76		ug/L		49	10 - 150	1	30
Carbon disulfide	20.0	18.2		ug/L		91	69 - 133	11	30
Carbon tetrachloride	20.0	17.8		ug/L		89	70 - 132	1	30
Chlorobenzene	20.0	20.7		ug/L		103	80 - 120	1	30
Chloroethane	20.0	16.9		ug/L		84	52 - 150	15	30
Chloroform	20.0	19.9		ug/L		99	80 - 120	3	30
Chloromethane	20.0	17.3		ug/L		86	56 - 131	5	30
cis-1,2-Dichloroethene	20.0	19.9		ug/L		100	80 - 120	3	30
cis-1,3-Dichloropropene	20.0	20.0		ug/L		100	77 - 120	4	30
Dibromochloromethane	20.0	18.1		ug/L		90	73 - 120	3	30
Ethylbenzene	20.0	20.2		ug/L		101	80 - 120	0	30
Methylene Chloride	20.0	20.6		ug/L		103	77 - 123	3	30
Styrene	20.0	21.6		ug/L		108	80 - 120	0	30
Tetrachloroethene	20.0	20.0		ug/L		100	78 - 122	0	30
Toluene	20.0	21.8		ug/L		109	80 - 120	3	30
trans-1,2-Dichloroethene	20.0	20.0		ug/L		100	79 - 120	1	30
trans-1,3-Dichloropropene	20.0	20.1		ug/L		100	76 - 120	3	30
Trichloroethene	20.0	19.8		ug/L		99	77 - 120	3	30
Vinyl chloride	20.0	17.6		ug/L		88	62 - 138	3	30
Xylenes, Total	40.0	40.7		ug/L		102	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*74 - 132*
Bromofluorobenzene	*100*		*77 - 124*
Dibromofluoromethane (Surr)	*97*		*72 - 131*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: MB 460-395751/7
Matrix: Water
Analysis Batch: 395751

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.28	U	1.0	0.28	ug/L			10/07/16 19:58	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			10/07/16 19:58	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-395751/7
Matrix: Water
Analysis Batch: 395751

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			10/07/16 19:58	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			10/07/16 19:58	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			10/07/16 19:58	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			10/07/16 19:58	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/07/16 19:58	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			10/07/16 19:58	1
2-Butanone	2.2	U	5.0	2.2	ug/L			10/07/16 19:58	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			10/07/16 19:58	1
MIBK	0.63	U	5.0	0.63	ug/L			10/07/16 19:58	1
Acetone	1.1	U	5.0	1.1	ug/L			10/07/16 19:58	1
Benzene	0.090	U	1.0	0.090	ug/L			10/07/16 19:58	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			10/07/16 19:58	1
Bromoform	0.18	U	1.0	0.18	ug/L			10/07/16 19:58	1
Bromomethane	0.18	U	1.0	0.18	ug/L			10/07/16 19:58	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			10/07/16 19:58	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			10/07/16 19:58	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			10/07/16 19:58	1
Chloroethane	0.37	U	1.0	0.37	ug/L			10/07/16 19:58	1
Chloroform	0.22	U	1.0	0.22	ug/L			10/07/16 19:58	1
Chloromethane	0.22	U	1.0	0.22	ug/L			10/07/16 19:58	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			10/07/16 19:58	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			10/07/16 19:58	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			10/07/16 19:58	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			10/07/16 19:58	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			10/07/16 19:58	1
Styrene	0.17	U	1.0	0.17	ug/L			10/07/16 19:58	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			10/07/16 19:58	1
Toluene	0.25	U	1.0	0.25	ug/L			10/07/16 19:58	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			10/07/16 19:58	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			10/07/16 19:58	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			10/07/16 19:58	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			10/07/16 19:58	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			10/07/16 19:58	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/07/16 19:58*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*74 - 132*		*10/07/16 19:58*	*1*
Bromofluorobenzene	*99*		*77 - 124*		*10/07/16 19:58*	*1*
Dibromofluoromethane (Surr)	*104*		*72 - 131*		*10/07/16 19:58*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/07/16 19:58*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-395751/3
Matrix: Water
Analysis Batch: 395751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	18.0		ug/L		90	75 - 125
1,1,2,2-Tetrachloroethane	20.0	20.5		ug/L		103	74 - 120
1,1,2-Trichloroethane	20.0	19.9		ug/L		100	78 - 120
1,1-Dichloroethane	20.0	18.7		ug/L		93	77 - 123
1,1-Dichloroethene	20.0	17.7		ug/L		89	74 - 123
1,2-Dichloroethane	20.0	18.8		ug/L		94	76 - 121
1,2-Dichloropropane	20.0	18.6		ug/L		93	77 - 123
1,4-Dioxane	400	393		ug/L		98	10 - 150
2-Butanone	100	89.9		ug/L		90	64 - 120
2-Hexanone	100	97.2		ug/L		97	71 - 125
MIBK	100	102		ug/L		102	78 - 124
Acetone	100	75.3		ug/L		75	39 - 150
Benzene	20.0	19.9		ug/L		100	77 - 121
Bromodichloromethane	20.0	18.5		ug/L		92	76 - 120
Bromoform	20.0	16.8		ug/L		84	53 - 120
Bromomethane	20.0	34.0	*	ug/L		170	10 - 150
Carbon disulfide	20.0	18.9		ug/L		95	69 - 133
Carbon tetrachloride	20.0	17.0		ug/L		85	70 - 132
Chlorobenzene	20.0	18.8		ug/L		94	80 - 120
Chloroethane	20.0	30.3	*	ug/L		151	52 - 150
Chloroform	20.0	18.8		ug/L		94	80 - 120
Chloromethane	20.0	18.9		ug/L		95	56 - 131
cis-1,2-Dichloroethene	20.0	18.7		ug/L		93	80 - 120
cis-1,3-Dichloropropene	20.0	18.8		ug/L		94	77 - 120
Dibromochloromethane	20.0	18.6		ug/L		93	73 - 120
Ethylbenzene	20.0	19.0		ug/L		95	80 - 120
Methylene Chloride	20.0	18.3		ug/L		92	77 - 123
Styrene	20.0	20.2		ug/L		101	80 - 120
Tetrachloroethene	20.0	18.8		ug/L		94	78 - 122
Toluene	20.0	19.3		ug/L		97	80 - 120
trans-1,2-Dichloroethene	20.0	18.7		ug/L		94	79 - 120
trans-1,3-Dichloropropene	20.0	18.8		ug/L		94	76 - 120
Trichloroethene	20.0	17.8		ug/L		89	77 - 120
Vinyl chloride	20.0	18.8		ug/L		94	62 - 138
Xylenes, Total	40.0	39.8		ug/L		99	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*74 - 132*
Bromofluorobenzene	*91*		*77 - 124*
Dibromofluoromethane (Surr)	*99*		*72 - 131*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: 460-121091-A-4 MS
Matrix: Water
Analysis Batch: 395751

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.28	U	20.0	18.1		ug/L		90	75 - 125

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-121091-A-4 MS
Matrix: Water
Analysis Batch: 395751

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	0.19	U	20.0	19.2		ug/L		96	74 - 120
1,1,2-Trichloroethane	0.080	U	20.0	18.8		ug/L		94	78 - 120
1,1-Dichloroethane	0.24	U	20.0	19.5		ug/L		98	77 - 123
1,1-Dichloroethene	0.34	U	20.0	19.4		ug/L		97	74 - 123
1,2-Dichloroethane	1.1		20.0	19.4		ug/L		92	76 - 121
1,2-Dichloropropane	0.18	U	20.0	19.1		ug/L		96	77 - 123
1,4-Dioxane	650		400	1040		ug/L		96	10 - 150
2-Butanone	2.2	U	100	85.4		ug/L		85	64 - 120
2-Hexanone	0.72	U	100	86.6		ug/L		87	71 - 125
MIBK	0.63	U	100	89.2		ug/L		89	78 - 124
Acetone	7.9		100	78.1		ug/L		70	39 - 150
Benzene	42		20.0	61.3		ug/L		97	77 - 121
Bromodichloromethane	0.15	U	20.0	18.4		ug/L		92	76 - 120
Bromoform	0.18	U	20.0	14.4		ug/L		72	53 - 120
Bromomethane	0.18	U * F1	20.0	30.6	F1	ug/L		153	10 - 150
Carbon disulfide	0.22	U	20.0	19.9		ug/L		99	69 - 133
Carbon tetrachloride	0.33	U	20.0	18.3		ug/L		92	70 - 132
Chlorobenzene	61	F1	20.0	76.4	F1	ug/L		77	80 - 120
Chloroethane	0.37	U * F1	20.0	32.1	F1	ug/L		160	52 - 150
Chloroform	0.22	U	20.0	18.9		ug/L		95	80 - 120
Chloromethane	0.22	U	20.0	19.3		ug/L		97	56 - 131
cis-1,2-Dichloroethene	0.26	U	20.0	19.1		ug/L		95	80 - 120
cis-1,3-Dichloropropene	0.16	U	20.0	17.7		ug/L		89	77 - 120
Dibromochloromethane	0.22	U	20.0	17.1		ug/L		85	73 - 120
Ethylbenzene	41	F1	20.0	55.5	F1	ug/L		74	80 - 120
Methylene Chloride	0.21	U	20.0	19.4		ug/L		97	77 - 123
Styrene	0.17	U	20.0	19.5		ug/L		97	80 - 120
Tetrachloroethene	0.12	U	20.0	17.6		ug/L		88	78 - 122
Toluene	1.9		20.0	21.2		ug/L		96	80 - 120
trans-1,2-Dichloroethene	0.18	U	20.0	18.9		ug/L		94	79 - 120
trans-1,3-Dichloropropene	0.19	U	20.0	17.2		ug/L		86	76 - 120
Trichloroethene	0.22	U	20.0	18.6		ug/L		93	77 - 120
Vinyl chloride	0.060	U	20.0	18.9		ug/L		95	62 - 138
Xylenes, Total	28		40.0	67.1		ug/L		98	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*74 - 132*
Bromofluorobenzene	*96*		*77 - 124*
Dibromofluoromethane (Surr)	*102*		*72 - 131*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 460-121091-A-4 MSD
Matrix: Water
Analysis Batch: 395751

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.28	U	20.0	17.6		ug/L		88	75 - 125	3	30
1,1,2,2-Tetrachloroethane	0.19	U	20.0	19.5		ug/L		97	74 - 120	2	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-121091-A-4 MSD
Matrix: Water
Analysis Batch: 395751

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2-Trichloroethane	0.080	U	20.0	18.5		ug/L		92	78 - 120	2	30
1,1-Dichloroethane	0.24	U	20.0	19.5		ug/L		97	77 - 123	0	30
1,1-Dichloroethene	0.34	U	20.0	19.0		ug/L		95	74 - 123	2	30
1,2-Dichloroethane	1.1		20.0	17.7		ug/L		83	76 - 121	9	30
1,2-Dichloropropane	0.18	U	20.0	18.2		ug/L		91	77 - 123	5	30
1,4-Dioxane	650		400	1060		ug/L		100	10 - 150	2	30
2-Butanone	2.2	U	100	85.2		ug/L		85	64 - 120	0	30
2-Hexanone	0.72	U	100	89.7		ug/L		90	71 - 125	3	30
MIBK	0.63	U	100	98.6		ug/L		99	78 - 124	10	30
Acetone	7.9		100	81.5		ug/L		74	39 - 150	4	30
Benzene	42		20.0	58.3		ug/L		82	77 - 121	5	30
Bromodichloromethane	0.15	U	20.0	17.6		ug/L		88	76 - 120	5	30
Bromoform	0.18	U	20.0	14.0		ug/L		70	53 - 120	2	30
Bromomethane	0.18	U * F1	20.0	33.4	F1	ug/L		167	10 - 150	9	30
Carbon disulfide	0.22	U	20.0	20.0		ug/L		100	69 - 133	0	30
Carbon tetrachloride	0.33	U	20.0	17.5		ug/L		87	70 - 132	5	30
Chlorobenzene	61	F1	20.0	77.2		ug/L		81	80 - 120	1	30
Chloroethane	0.37	U * F1	20.0	27.6		ug/L		138	52 - 150	15	30
Chloroform	0.22	U	20.0	18.5		ug/L		92	80 - 120	3	30
Chloromethane	0.22	U	20.0	18.6		ug/L		93	56 - 131	4	30
cis-1,2-Dichloroethene	0.26	U	20.0	18.7		ug/L		94	80 - 120	2	30
cis-1,3-Dichloropropene	0.16	U	20.0	16.5		ug/L		83	77 - 120	7	30
Dibromochloromethane	0.22	U	20.0	15.5		ug/L		78	73 - 120	9	30
Ethylbenzene	41	F1	20.0	54.5	F1	ug/L		69	80 - 120	2	30
Methylene Chloride	0.21	U	20.0	18.2		ug/L		91	77 - 123	6	30
Styrene	0.17	U	20.0	19.7		ug/L		99	80 - 120	1	30
Tetrachloroethene	0.12	U	20.0	18.3		ug/L		92	78 - 122	4	30
Toluene	1.9		20.0	20.1		ug/L		91	80 - 120	5	30
trans-1,2-Dichloroethene	0.18	U	20.0	18.7		ug/L		94	79 - 120	1	30
trans-1,3-Dichloropropene	0.19	U	20.0	17.2		ug/L		86	76 - 120	0	30
Trichloroethene	0.22	U	20.0	18.3		ug/L		91	77 - 120	2	30
Vinyl chloride	0.060	U	20.0	18.7		ug/L		94	62 - 138	1	30
Xylenes, Total	28		40.0	64.9		ug/L		92	80 - 120	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*74 - 132*
Bromofluorobenzene	*98*		*77 - 124*
Dibromofluoromethane (Surr)	*101*		*72 - 131*
Toluene-d8 (Surr)	*106*		*80 - 120*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
U	Indicates the analyte was analyzed for but not detected.
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: ECM, Inc.
Project/Site: 1192 - AGWM 9/2016

TestAmerica Job ID: 460-121166-1

GC/MS VOA

Analysis Batch: 395562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-121166-1	Trip Blank	Total/NA	Water	8260C	
460-121166-3	PZ-23	Total/NA	Water	8260C	
460-121166-4	MW-36	Total/NA	Water	8260C	
460-121166-5	MW-31	Total/NA	Water	8260C	
MB 460-395562/7	Method Blank	Total/NA	Water	8260C	
LCS 460-395562/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-395562/4	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 395751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-121166-2	Field Blank	Total/NA	Water	8260C	
460-121166-6	MW-24	Total/NA	Water	8260C	
460-121166-7	MW-71	Total/NA	Water	8260C	
MB 460-395751/7	Method Blank	Total/NA	Water	8260C	
LCS 460-395751/3	Lab Control Sample	Total/NA	Water	8260C	
460-121091-A-4 MS	Matrix Spike	Total/NA	Water	8260C	
460-121091-A-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Lab Chronicle

Client: ECM, Inc.
Project/Site: 1192 - AGWM 9/2016

TestAmerica Job ID: 460-121166-1

Client Sample ID: Trip Blank — Lab Sample ID: 460-121166-1

Date Collected: 09/27/16 11:50 — **Matrix: Water**
Date Received: 09/27/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	395562	10/07/16 15:06	AAT	TAL EDI

Client Sample ID: Field Blank — Lab Sample ID: 460-121166-2

Date Collected: 09/27/16 09:15 — **Matrix: Water**
Date Received: 09/27/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	395751	10/07/16 20:26	AAT	TAL EDI

Client Sample ID: PZ-23 — Lab Sample ID: 460-121166-3

Date Collected: 09/27/16 09:20 — **Matrix: Water**
Date Received: 09/27/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	395562	10/07/16 16:01	AAT	TAL EDI

Client Sample ID: MW-36 — Lab Sample ID: 460-121166-4

Date Collected: 09/27/16 12:15 — **Matrix: Water**
Date Received: 09/27/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	395562	10/07/16 16:29	AAT	TAL EDI

Client Sample ID: MW-31 — Lab Sample ID: 460-121166-5

Date Collected: 09/27/16 10:35 — **Matrix: Water**
Date Received: 09/27/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	395562	10/07/16 16:57	AAT	TAL EDI

Client Sample ID: MW-24 — Lab Sample ID: 460-121166-6

Date Collected: 09/27/16 11:30 — **Matrix: Water**
Date Received: 09/27/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	395751	10/07/16 21:21	AAT	TAL EDI

Lab Chronicle

Client: ECM, Inc.
Project/Site: 1192 - AGWM 9/2016

TestAmerica Job ID: 460-121166-1

Client Sample ID: MW-71

Date Collected: 09/27/16 11:50
Date Received: 09/27/16 14:15

Lab Sample ID: 460-121166-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	395751	10/07/16 21:48	AAT	TAL EDI

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Certification Summary

Client: ECM, Inc.
Project/Site: 1192 - AGWM 9/2016

TestAmerica Job ID: 460-121166-1

Laboratory: TestAmerica Edison

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New Jersey	NELAP	2	12028	06-30-17
New York	NELAP	2	11452	03-31-17
Pennsylvania	NELAP	3	68-00522	02-28-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	cis-1,2-Dichloroethene

8260C

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
Trip Blank	460-121166-1	100	103	101	96
Field Blank	460-121166-2	96	95	106	99
PZ-23	460-121166-3	95	100	96	93
MW-36	460-121166-4	100	103	99	97
MW-31	460-121166-5	104	105	112	103
MW-24	460-121166-6	93	99	102	94
MW-71	460-121166-7	98	95	101	100
	MB 460-395562/7	102	102	104	98
	MB 460-395751/7	104	107	105	99
	LCS 460-395562/3	94	92	103	94
	LCS 460-395751/3	99	100	104	91
	LCSD 460-395562/4	97	98	106	100
	460-121091-A-4 MS	102	103	102	96
	460-121091-A-4 MSD	101	97	106	98

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	72-131
DCA = 1,2-Dichloroethane-d4 (Surr)	74-132
TOL = Toluene-d8 (Surr)	80-120
BFB = Bromofluorobenzene	77-124

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Matrix: Water Level: Low Lab File ID: O15947.D

Lab ID: LCS 460-395562/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	17.8	89	75-125	
1,1,2,2-Tetrachloroethane	20.0	21.6	108	74-120	
1,1,2-Trichloroethane	20.0	21.0	105	78-120	
1,1-Dichloroethane	20.0	20.4	102	77-123	
1,1-Dichloroethene	20.0	18.3	92	74-123	
1,2-Dichloroethane	20.0	19.8	99	76-121	
1,2-Dichloropropane	20.0	20.0	100	77-123	
1,4-Dioxane	400	408	102	10-150	
2-Butanone	100	94.2	94	64-120	
2-Hexanone	100	101	101	71-125	
MIBK	100	102	102	78-124	
Acetone	100	76.7	77	39-150	
Benzene	20.0	20.9	104	77-121	
Bromodichloromethane	20.0	18.6	93	76-120	
Bromoform	20.0	16.0	80	53-120	
Bromomethane	20.0	9.64	48	10-150	
Carbon disulfide	20.0	16.3	82	69-133	
Carbon tetrachloride	20.0	17.6	88	70-132	
Chlorobenzene	20.0	20.8	104	80-120	
Chloroethane	20.0	14.5	72	52-150	
Chloroform	20.0	19.3	96	80-120	
Chloromethane	20.0	16.4	82	56-131	
cis-1,2-Dichloroethene	20.0	19.3	96	80-120	
cis-1,3-Dichloropropene	20.0	19.2	96	77-120	
Dibromochloromethane	20.0	18.5	93	73-120	
Ethylbenzene	20.0	20.3	101	80-120	
Methylene Chloride	20.0	19.9	99	77-123	
Styrene	20.0	21.6	108	80-120	
Tetrachloroethene	20.0	19.9	100	78-122	
Toluene	20.0	21.1	106	80-120	
trans-1,2-Dichloroethene	20.0	20.2	101	79-120	
trans-1,3-Dichloropropene	20.0	19.5	98	76-120	
Trichloroethene	20.0	19.3	96	77-120	
Vinyl chloride	20.0	17.1	85	62-138	
Xylenes, Total	40.0	41.2	103	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Matrix: Water Level: Low Lab File ID: O15972.D

Lab ID: LCS 460-395751/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	18.0	90	75-125	
1,1,2,2-Tetrachloroethane	20.0	20.5	103	74-120	
1,1,2-Trichloroethane	20.0	19.9	100	78-120	
1,1-Dichloroethane	20.0	18.7	93	77-123	
1,1-Dichloroethene	20.0	17.7	89	74-123	
1,2-Dichloroethane	20.0	18.8	94	76-121	
1,2-Dichloropropane	20.0	18.6	93	77-123	
1,4-Dioxane	400	393	98	10-150	
2-Butanone	100	89.9	90	64-120	
2-Hexanone	100	97.2	97	71-125	
MIBK	100	102	102	78-124	
Acetone	100	75.3	75	39-150	
Benzene	20.0	19.9	100	77-121	
Bromodichloromethane	20.0	18.5	92	76-120	
Bromoform	20.0	16.8	84	53-120	
Bromomethane	20.0	34.0	170	10-150	*
Carbon disulfide	20.0	18.9	95	69-133	
Carbon tetrachloride	20.0	17.0	85	70-132	
Chlorobenzene	20.0	18.8	94	80-120	
Chloroethane	20.0	30.3	151	52-150	*
Chloroform	20.0	18.8	94	80-120	
Chloromethane	20.0	18.9	95	56-131	
cis-1,2-Dichloroethene	20.0	18.7	93	80-120	
cis-1,3-Dichloropropene	20.0	18.8	94	77-120	
Dibromochloromethane	20.0	18.6	93	73-120	
Ethylbenzene	20.0	19.0	95	80-120	
Methylene Chloride	20.0	18.3	92	77-123	
Styrene	20.0	20.2	101	80-120	
Tetrachloroethene	20.0	18.8	94	78-122	
Toluene	20.0	19.3	97	80-120	
trans-1,2-Dichloroethene	20.0	18.7	94	79-120	
trans-1,3-Dichloropropene	20.0	18.8	94	76-120	
Trichloroethene	20.0	17.8	89	77-120	
Vinyl chloride	20.0	18.8	94	62-138	
Xylenes, Total	40.0	39.8	99	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Matrix: Water Level: Low Lab File ID: O15948.D

Lab ID: LCSD 460-395562/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	19.3	97	8	30	75-125	
1,1,2,2-Tetrachloroethane	20.0	21.4	107	1	30	74-120	
1,1,2-Trichloroethane	20.0	21.9	110	4	30	78-120	
1,1-Dichloroethane	20.0	20.6	103	1	30	77-123	
1,1-Dichloroethene	20.0	19.3	96	5	30	74-123	
1,2-Dichloroethane	20.0	18.7	93	6	30	76-121	
1,2-Dichloropropane	20.0	20.4	102	2	30	77-123	
1,4-Dioxane	400	395	99	3	30	10-150	
2-Butanone	100	93.3	93	1	30	64-120	
2-Hexanone	100	96.3	96	5	30	71-125	
MIBK	100	101	101	1	30	78-124	
Acetone	100	72.2	72	6	30	39-150	
Benzene	20.0	20.0	100	4	30	77-121	
Bromodichloromethane	20.0	18.0	90	3	30	76-120	
Bromoform	20.0	16.2	81	1	30	53-120	
Bromomethane	20.0	9.76	49	1	30	10-150	
Carbon disulfide	20.0	18.2	91	11	30	69-133	
Carbon tetrachloride	20.0	17.8	89	1	30	70-132	
Chlorobenzene	20.0	20.7	103	1	30	80-120	
Chloroethane	20.0	16.9	84	15	30	52-150	
Chloroform	20.0	19.9	99	3	30	80-120	
Chloromethane	20.0	17.3	86	5	30	56-131	
cis-1,2-Dichloroethene	20.0	19.9	100	3	30	80-120	
cis-1,3-Dichloropropene	20.0	20.0	100	4	30	77-120	
Dibromochloromethane	20.0	18.1	90	3	30	73-120	
Ethylbenzene	20.0	20.2	101	0	30	80-120	
Methylene Chloride	20.0	20.6	103	3	30	77-123	
Styrene	20.0	21.6	108	0	30	80-120	
Tetrachloroethene	20.0	20.0	100	0	30	78-122	
Toluene	20.0	21.8	109	3	30	80-120	
trans-1,2-Dichloroethene	20.0	20.0	100	1	30	79-120	
trans-1,3-Dichloropropene	20.0	20.1	100	3	30	76-120	
Trichloroethene	20.0	19.8	99	3	30	77-120	
Vinyl chloride	20.0	17.6	88	3	30	62-138	
Xylenes, Total	40.0	40.7	102	1	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Matrix: Water Level: Low Lab File ID: O15983.D

Lab ID: 460-121091-A-4 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	0.28 U	18.1	90	75-125	
1,1,2,2-Tetrachloroethane	20.0	0.19 U	19.2	96	74-120	
1,1,2-Trichloroethane	20.0	0.080 U	18.8	94	78-120	
1,1-Dichloroethane	20.0	0.24 U	19.5	98	77-123	
1,1-Dichloroethene	20.0	0.34 U	19.4	97	74-123	
1,2-Dichloroethane	20.0	1.1	19.4	92	76-121	
1,2-Dichloropropane	20.0	0.18 U	19.1	96	77-123	
1,4-Dioxane	400	650	1040	96	10-150	
2-Butanone	100	2.2 U	85.4	85	64-120	
2-Hexanone	100	0.72 U	86.6	87	71-125	
MIBK	100	0.63 U	89.2	89	78-124	
Acetone	100	7.9	78.1	70	39-150	
Benzene	20.0	42	61.3	97	77-121	
Bromodichloromethane	20.0	0.15 U	18.4	92	76-120	
Bromoform	20.0	0.18 U	14.4	72	53-120	
Bromomethane	20.0	0.18 U	30.6	153	10-150	F1
Carbon disulfide	20.0	0.22 U	19.9	99	69-133	
Carbon tetrachloride	20.0	0.33 U	18.3	92	70-132	
Chlorobenzene	20.0	61	76.4	77	80-120	F1
Chloroethane	20.0	0.37 U	32.1	160	52-150	F1
Chloroform	20.0	0.22 U	18.9	95	80-120	
Chloromethane	20.0	0.22 U	19.3	97	56-131	
cis-1,2-Dichloroethene	20.0	0.26 U	19.1	95	80-120	
cis-1,3-Dichloropropene	20.0	0.16 U	17.7	89	77-120	
Dibromochloromethane	20.0	0.22 U	17.1	85	73-120	
Ethylbenzene	20.0	41	55.5	74	80-120	F1
Methylene Chloride	20.0	0.21 U	19.4	97	77-123	
Styrene	20.0	0.17 U	19.5	97	80-120	
Tetrachloroethene	20.0	0.12 U	17.6	88	78-122	
Toluene	20.0	1.9	21.2	96	80-120	
trans-1,2-Dichloroethene	20.0	0.18 U	18.9	94	79-120	
trans-1,3-Dichloropropene	20.0	0.19 U	17.2	86	76-120	
Trichloroethene	20.0	0.22 U	18.6	93	77-120	
Vinyl chloride	20.0	0.060 U	18.9	95	62-138	
Xylenes, Total	40.0	28	67.1	98	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Matrix: Water Level: Low Lab File ID: O15984.D

Lab ID: 460-121091-A-4 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	17.6	88	3	30	75-125	
1,1,2,2-Tetrachloroethane	20.0	19.5	97	2	30	74-120	
1,1,2-Trichloroethane	20.0	18.5	92	2	30	78-120	
1,1-Dichloroethane	20.0	19.5	97	0	30	77-123	
1,1-Dichloroethene	20.0	19.0	95	2	30	74-123	
1,2-Dichloroethane	20.0	17.7	83	9	30	76-121	
1,2-Dichloropropane	20.0	18.2	91	5	30	77-123	
1,4-Dioxane	400	1060	100	2	30	10-150	
2-Butanone	100	85.2	85	0	30	64-120	
2-Hexanone	100	89.7	90	3	30	71-125	
MIBK	100	98.6	99	10	30	78-124	
Acetone	100	81.5	74	4	30	39-150	
Benzene	20.0	58.3	82	5	30	77-121	
Bromodichloromethane	20.0	17.6	88	5	30	76-120	
Bromoform	20.0	14.0	70	2	30	53-120	
Bromomethane	20.0	33.4	167	9	30	10-150	F1
Carbon disulfide	20.0	20.0	100	0	30	69-133	
Carbon tetrachloride	20.0	17.5	87	5	30	70-132	
Chlorobenzene	20.0	77.2	81	1	30	80-120	
Chloroethane	20.0	27.6	138	15	30	52-150	
Chloroform	20.0	18.5	92	3	30	80-120	
Chloromethane	20.0	18.6	93	4	30	56-131	
cis-1,2-Dichloroethene	20.0	18.7	94	2	30	80-120	
cis-1,3-Dichloropropene	20.0	16.5	83	7	30	77-120	
Dibromochloromethane	20.0	15.5	78	9	30	73-120	
Ethylbenzene	20.0	54.5	69	2	30	80-120	F1
Methylene Chloride	20.0	18.2	91	6	30	77-123	
Styrene	20.0	19.7	99	1	30	80-120	
Tetrachloroethene	20.0	18.3	92	4	30	78-122	
Toluene	20.0	20.1	91	5	30	80-120	
trans-1,2-Dichloroethene	20.0	18.7	94	1	30	79-120	
trans-1,3-Dichloropropene	20.0	17.2	86	0	30	76-120	
Trichloroethene	20.0	18.3	91	2	30	77-120	
Vinyl chloride	20.0	18.7	94	1	30	62-138	
Xylenes, Total	40.0	64.9	92	3	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Lab File ID: O15951.D Lab Sample ID: MB 460-395562/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: CVOAMS12 Date Analyzed: 10/07/2016 08:38

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-395562/3	O15947.D	10/07/2016 06:47
	LCSD 460-395562/4	O15948.D	10/07/2016 07:15
Trip Blank	460-121166-1	O15965.D	10/07/2016 15:06
PZ-23	460-121166-3	O15967.D	10/07/2016 16:01
MW-36	460-121166-4	O15968.D	10/07/2016 16:29
MW-31	460-121166-5	O15969.D	10/07/2016 16:57

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Lab File ID: O15976.D Lab Sample ID: MB 460-395751/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: CVOAMS12 Date Analyzed: 10/07/2016 19:58

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-395751/3	O15972.D	10/07/2016 18:08
Field Blank	460-121166-2	O15977.D	10/07/2016 20:26
MW-24	460-121166-6	O15979.D	10/07/2016 21:21
MW-71	460-121166-7	O15980.D	10/07/2016 21:48
	460-121091-A-4 MS	O15983.D	10/07/2016 23:11
	460-121091-A-4 MSD	O15984.D	10/07/2016 23:38

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

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Lab File ID: O15605.D BFB Injection Date: 09/30/2016

Instrument ID: CVOAMS12 BFB Injection Time: 15:48

Analysis Batch No.: 394051

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	52.1	
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	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	91.6	
175	5.0 - 9.0 % of mass 174	7.0	(7.6) 1
176	95.0 - 101.0 % of mass 174	89.6	(97.8) 1
177	5.0 - 9.0 % of mass 176	5.8	(6.5) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD7 460-394051/2	O15606.D	09/30/2016	16:16
	STD1 460-394051/3	O15607.D	09/30/2016	16:44
	STD5 460-394051/4	O15608.D	09/30/2016	17:12
	STD20 460-394051/5	O15609.D	09/30/2016	17:40
	STD50 460-394051/6	O15610.D	09/30/2016	18:07
	STD200 460-394051/7	O15611.D	09/30/2016	18:35
	STD500 460-394051/8	O15612.D	09/30/2016	19:03

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

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Lab File ID: O15945.D BFB Injection Date: 10/07/2016

Instrument ID: CVOAMS12 BFB Injection Time: 05:27

Analysis Batch No.: 395562

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.8	
75	30.0 - 60.0 % of mass 95	48.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.2	
173	Less than 2.0 % of mass 174	0.1	(0.1) 1
174	50.0 - 120.00 % of mass 95	75.1	
175	5.0 - 9.0 % of mass 174	6.2	(8.2) 1
176	95.0 - 101.0 % of mass 174	72.8	(96.9) 1
177	5.0 - 9.0 % of mass 176	4.6	(6.3) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-395562/2	O15946.D	10/07/2016	06:19
	LCS 460-395562/3	O15947.D	10/07/2016	06:47
	LCSD 460-395562/4	O15948.D	10/07/2016	07:15
	MB 460-395562/7	O15951.D	10/07/2016	08:38
Trip Blank	460-121166-1	O15965.D	10/07/2016	15:06
PZ-23	460-121166-3	O15967.D	10/07/2016	16:01
MW-36	460-121166-4	O15968.D	10/07/2016	16:29
MW-31	460-121166-5	O15969.D	10/07/2016	16:57

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

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Lab File ID: O15970.D BFB Injection Date: 10/07/2016

Instrument ID: CVOAMS12 BFB Injection Time: 17:16

Analysis Batch No.: 395751

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.9	
75	30.0 - 60.0 % of mass 95	54.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	70.0	
175	5.0 - 9.0 % of mass 174	5.7	(8.1) 1
176	95.0 - 101.0 % of mass 174	67.0	(95.7) 1
177	5.0 - 9.0 % of mass 176	5.4	(8.1) 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
	CCVIS 460-395751/2	O15971.D	10/07/2016	17:40
	LCS 460-395751/3	O15972.D	10/07/2016	18:08
	MB 460-395751/7	O15976.D	10/07/2016	19:58
Field Blank	460-121166-2	O15977.D	10/07/2016	20:26
MW-24	460-121166-6	O15979.D	10/07/2016	21:21
MW-71	460-121166-7	O15980.D	10/07/2016	21:48
	460-121091-A-4 MS	O15983.D	10/07/2016	23:11
	460-121091-A-4 MSD	O15984.D	10/07/2016	23:38

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

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Sample No.: CCVIS 460-395562/2 Date Analyzed: 10/07/2016 06:19

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): O15946.D Heated Purge: (Y/N) N

Calibration ID: 58136

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		374387	2.25	460010	3.13	589246	4.20
UPPER LIMIT		748774	2.75	920020	3.63	1178492	4.70
LOWER LIMIT		187194	1.75	230005	2.63	294623	3.70
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-395562/3		394210	2.25	474314	3.13	602560	4.20
LCSD 460-395562/4		393577	2.25	470919	3.13	601520	4.20
MB 460-395562/7		367589	2.23	446443	3.12	568478	4.20
460-121166-1	Trip Blank	374673	2.23	446263	3.12	577596	4.20
460-121166-3	PZ-23	335980	2.23	412164	3.12	579261	4.20
460-121166-4	MW-36	336592	2.23	430610	3.12	592546	4.20
460-121166-5	MW-31	354933	2.23	430762	3.12	578155	4.20

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Sample No.: CCVIS 460-395562/2 Date Analyzed: 10/07/2016 06:19

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): O15946.D Heated Purge: (Y/N) N

Calibration ID: 58136

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		42679	4.93	420277	7.93	219419	11.60
UPPER LIMIT		85358	5.43	840554	8.43	438838	12.10
LOWER LIMIT		21340	4.43	210139	7.43	109710	11.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-395562/3		46565	4.92	424021	7.93	214799	11.60
LCSD 460-395562/4		44373	4.92	416905	7.93	220272	11.60
MB 460-395562/7		42053	4.92	416849	7.94	203954	11.60
460-121166-1	Trip Blank	41290	4.92	422664	7.93	198375	11.60
460-121166-3	PZ-23	39810	4.92	418444	7.94	202736	11.60
460-121166-4	MW-36	38373	4.92	422197	7.93	191540	11.60
460-121166-5	MW-31	42632	4.92	398176	7.93	210003	11.60

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Sample No.: CCVIS 460-395751/2 Date Analyzed: 10/07/2016 17:40

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): O15971.D Heated Purge: (Y/N) N

Calibration ID: 58136

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		329148	2.23	430744	3.12	616039	4.20
UPPER LIMIT		658296	2.73	861488	3.62	1232078	4.70
LOWER LIMIT		164574	1.73	215372	2.62	308020	3.70
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-395751/3		358097	2.23	438697	3.12	603210	4.20
MB 460-395751/7		340153	2.23	405061	3.12	558362	4.20
460-121166-2	Field Blank	313769	2.23	401769	3.12	594441	4.20
460-121166-6	MW-24	306949	2.23	392452	3.12	586066	4.20
460-121166-7	MW-71	305648	2.23	394404	3.12	574716	4.20
460-121091-A-4 MS		312364	2.24	421737	3.12	558592	4.20
460-121091-A-4 MSD		340777	2.23	419097	3.12	587765	4.20

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Sample No.: CCVIS 460-395751/2 Date Analyzed: 10/07/2016 17:40

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): O15971.D Heated Purge: (Y/N) N

Calibration ID: 58136

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		41937	4.92	432006	7.93	203565	11.60
UPPER LIMIT		83874	5.42	864012	8.43	407130	12.10
LOWER LIMIT		20969	4.42	216003	7.43	101783	11.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-395751/3		41414	4.92	420338	7.93	217510	11.60
MB 460-395751/7		39888	4.92	402739	7.93	193208	11.60
460-121166-2	Field Blank	36981	4.92	399429	7.93	214249	11.60
460-121166-6	MW-24	36313	4.92	409493	7.93	204154	11.60
460-121166-7	MW-71	36935	4.93	405510	7.93	198809	11.60
460-121091-A-4 MS		42051	4.92	410610	7.94	213064	11.60
460-121091-A-4 MSD		41528	4.92	421083	7.94	210217	11.60

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: Trip Blank | Lab Sample ID: 460-121166-1

Matrix: Water | Lab File ID: O15965.D

Analysis Method: 8260C | Date Collected: 09/27/2016 11:50

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 15:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395562 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	MIBK	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	0.24	U	1.0	0.24
75-00-3	Chloroethane	0.37	U	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
124-48-1	Dibromochloromethane	0.22	U	1.0	0.22
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-01-4	Vinyl chloride	0.060	U	1.0	0.060
1330-20-7	Xylenes, Total	0.28	U	2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 460-121166-1

Matrix: Water Lab File ID: O15965.D

Analysis Method: 8260C Date Collected: 09/27/2016 11:50

Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 15:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 395562 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		74-132
460-00-4	Bromofluorobenzene	96		77-124
1868-53-7	Dibromofluoromethane (Surr)	100		72-131
2037-26-5	Toluene-d8 (Surr)	101		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 460-121166-1

Matrix: Water Lab File ID: O15965.D

Analysis Method: 8260C Date Collected: 09/27/2016 11:50

Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 15:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 395562 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I-TIC 8260C

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15965.D
Lims ID: 460-121166-B-1
Client ID: Trip Blank
Sample Type: Client
Inject. Date: 07-Oct-2016 15:06:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-121166-B-1
Misc. Info.: 460-0046552-021
Operator ID: Instrument ID: CVOAMS12

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Oct-2016 17:34:19 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: starzecm Date: 07-Oct-2016 17:34:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	2.232	2.247	-0.015	97	374673	1000.0	
* 38 2-Butanone-d5	46	3.119	3.126	-0.007	30	446263	250.0	
$ 49 Dibromofluoromethane (Surr	113	3.568	3.568	0.000	97	139971	50.0	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.871	3.871	0.000	97	197798	51.7	
* 61 Fluorobenzene	96	4.204	4.204	0.000	98	577596	50.0	
* 68 1,4-Dioxane-d8	96	4.923	4.930	-0.007	90	41290	1000.0	
$ 79 Toluene-d8 (Surr)	98	5.985	5.982	0.003	99	526349	50.7	
* 90 Chlorobenzene-d5	117	7.931	7.931	0.000	89	422664	50.0	
$ 101 4-Bromofluorobenzene	174	9.765	9.769	-0.004	91	158868	48.1	
* 116 1,4-Dichlorobenzene-d4	152	11.599	11.595	0.004	97	198375	50.0	

Reagents:

8260ISNEW_00090 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00139 Amount Added: 1.00 Units: uL Run Reagent

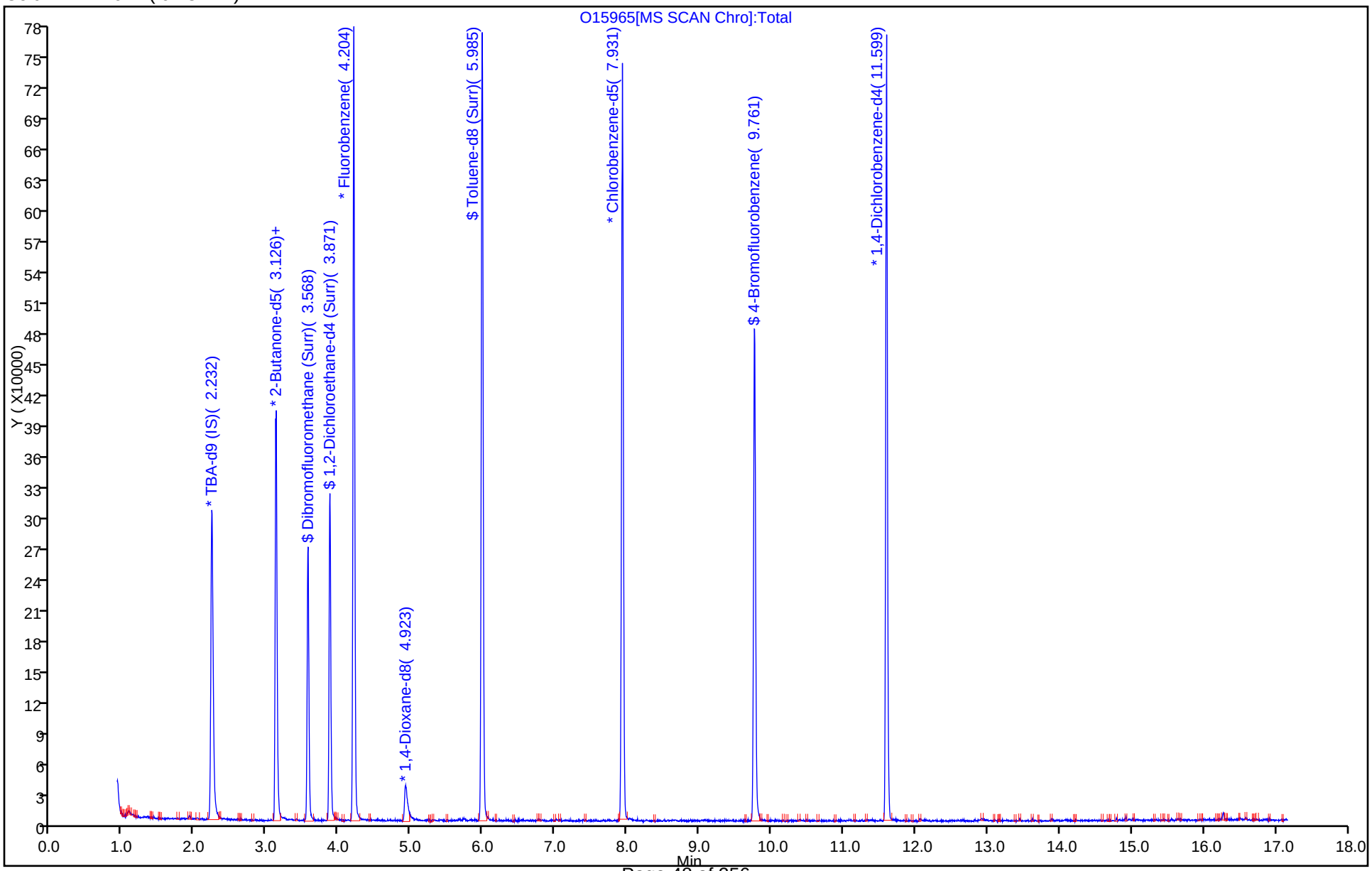
Report Date: 07-Oct-2016 17:34:20 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15965.D

Injection Date:	07-Oct-2016 15:06:30	Instrument ID:	CVOAMS12	Operator ID:	
Lims ID:	460-121166-B-1	Lab Sample ID:	460-121166-1	Worklist Smp#:	21
Client ID:	Trip Blank				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: Field Blank | Lab Sample ID: 460-121166-2

Matrix: Water | Lab File ID: O15977.D

Analysis Method: 8260C | Date Collected: 09/27/2016 09:15

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 20:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395751 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	MIBK	0.63	U	5.0	0.63
67-64-1	Acetone	6.4		5.0	1.1
71-43-2	Benzene	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U *	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	0.24	U	1.0	0.24
75-00-3	Chloroethane	0.37	U *	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
124-48-1	Dibromochloromethane	0.22	U	1.0	0.22
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
75-09-2	Methylene Chloride	0.34	J	1.0	0.21
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-01-4	Vinyl chloride	0.060	U	1.0	0.060
1330-20-7	Xylenes, Total	0.28	U	2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Client Sample ID: Field Blank Lab Sample ID: 460-121166-2

Matrix: Water Lab File ID: O15977.D

Analysis Method: 8260C Date Collected: 09/27/2016 09:15

Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 20:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 395751 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		74-132
460-00-4	Bromofluorobenzene	99		77-124
1868-53-7	Dibromofluoromethane (Surr)	96		72-131
2037-26-5	Toluene-d8 (Surr)	106		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: Field Blank | Lab Sample ID: 460-121166-2

Matrix: Water | Lab File ID: O15977.D

Analysis Method: 8260C | Date Collected: 09/27/2016 09:15

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 20:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395751 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15977.D
Lims ID: 460-121166-A-2
Client ID: Field Blank
Sample Type: Client
Inject. Date: 07-Oct-2016 20:26:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-121166-A-2
Misc. Info.: 460-0046589-008
Operator ID: Instrument ID: CVOAMS12

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Oct-2016 20:56:58 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: starzecm Date: 07-Oct-2016 20:56:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	58	1.918	1.918	0.000	84	2790	6.40	
26 Methylene Chloride	84	2.202	2.202	0.000	73	1143	0.3353	
* 27 TBA-d9 (IS)	65	2.228	2.232	-0.004	98	313769	1000.0	
* 38 2-Butanone-d5	46	3.119	3.123	-0.004	30	401769	250.0	
$ 49 Dibromofluoromethane (Surr	113	3.564	3.568	-0.004	97	138445	48.1	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.875	3.875	0.000	97	186059	47.3	
* 61 Fluorobenzene	96	4.204	4.204	0.000	98	594441	50.0	
* 68 1,4-Dioxane-d8	96	4.923	4.923	0.000	92	36981	1000.0	
$ 79 Toluene-d8 (Surr)	98	5.985	5.985	0.000	99	518079	52.9	
* 90 Chlorobenzene-d5	117	7.928	7.931	-0.003	90	399429	50.0	
$ 101 4-Bromofluorobenzene	174	9.765	9.769	-0.004	92	154914	49.6	
* 116 1,4-Dichlorobenzene-d4	152	11.595	11.599	-0.004	96	214249	50.0	

Reagents:

8260ISNEW_00090 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00139 Amount Added: 1.00 Units: uL Run Reagent

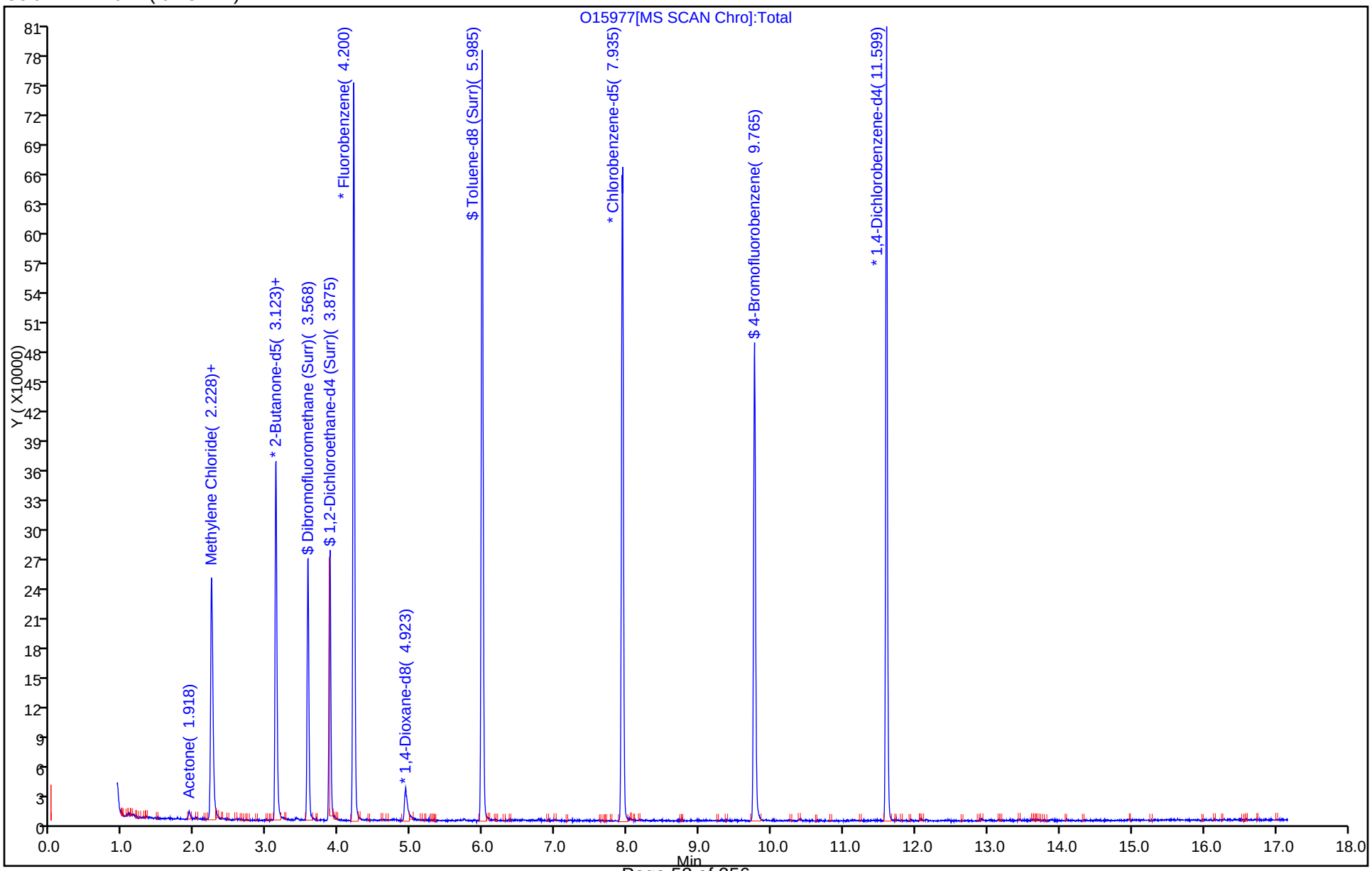
Report Date: 07-Oct-2016 20:56:59 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15977.D

Injection Date:	07-Oct-2016 20:26:30	Instrument ID:	CVOAMS12	Operator ID:	
Lims ID:	460-121166-A-2	Lab Sample ID:	460-121166-2	Worklist Smp#:	8
Client ID:	Field Blank				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



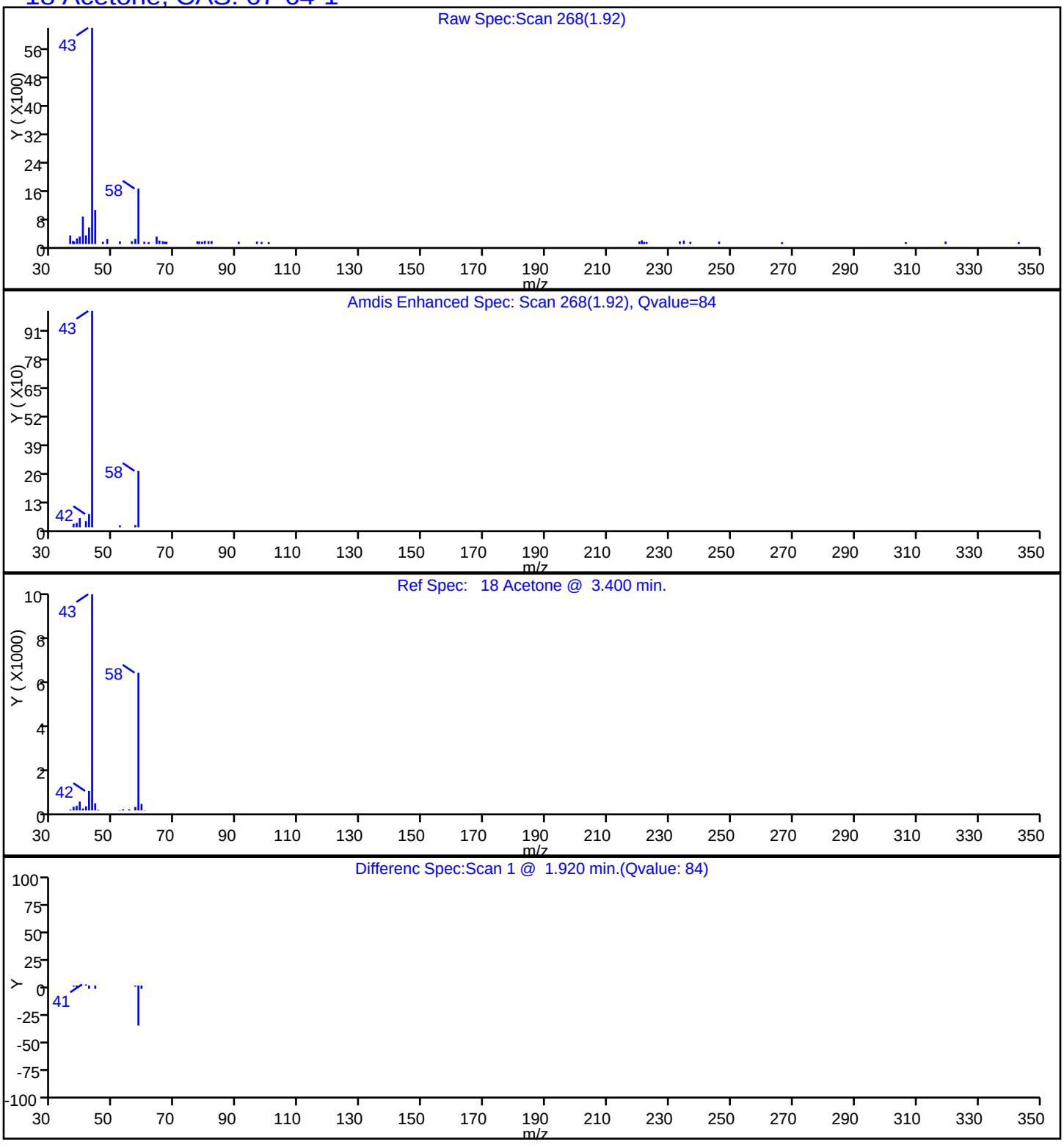
Report Date: 07-Oct-2016 20:56:59 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15977.D

Injection Date:	07-Oct-2016 20:26:30	Instrument ID:	CVOAMS12		
Lims ID:	460-121166-A-2	Lab Sample ID:	460-121166-2		
Client ID:	Field Blank				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

18 Acetone, CAS: 67-64-1



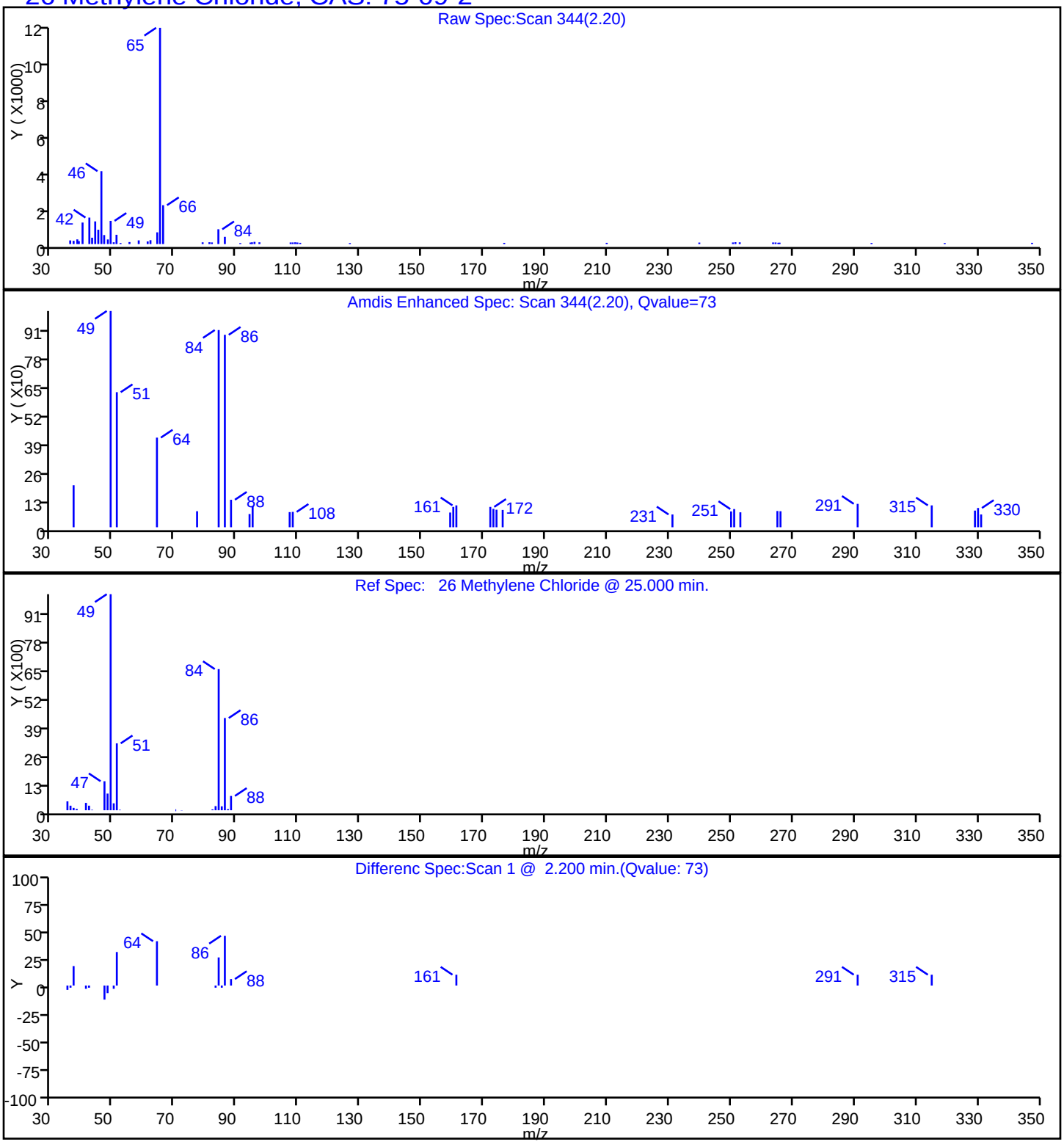
Report Date: 07-Oct-2016 20:56:59 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15977.D

Injection Date:	07-Oct-2016 20:26:30	Instrument ID:	CVOAMS12		
Lims ID:	460-121166-A-2	Lab Sample ID:	460-121166-2		
Client ID:	Field Blank				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

26 Methylene Chloride, CAS: 75-09-2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: PZ-23 | Lab Sample ID: 460-121166-3

Matrix: Water | Lab File ID: O15967.D

Analysis Method: 8260C | Date Collected: 09/27/2016 09:20

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 16:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395562 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	MIBK	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	0.24	U	1.0	0.24
75-00-3	Chloroethane	0.37	U	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
124-48-1	Dibromochloromethane	0.22	U	1.0	0.22
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-01-4	Vinyl chloride	0.060	U	1.0	0.060
1330-20-7	Xylenes, Total	0.28	U	2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Client Sample ID: PZ-23 Lab Sample ID: 460-121166-3

Matrix: Water Lab File ID: O15967.D

Analysis Method: 8260C Date Collected: 09/27/2016 09:20

Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 16:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 395562 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		74-132
460-00-4	Bromofluorobenzene	93		77-124
1868-53-7	Dibromofluoromethane (Surr)	95		72-131
2037-26-5	Toluene-d8 (Surr)	96		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: PZ-23 | Lab Sample ID: 460-121166-3

Matrix: Water | Lab File ID: O15967.D

Analysis Method: 8260C | Date Collected: 09/27/2016 09:20

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 16:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395562 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 7.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
60-29-7	Ethyl ether	1.75	7.3	J N	90%

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15967.D
Lims ID: 460-121166-B-3
Client ID: PZ-23
Sample Type: Client
Inject. Date: 07-Oct-2016 16:01:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-121166-B-3
Misc. Info.: 460-0046552-023
Operator ID: Instrument ID: CVOAMS12

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Oct-2016 17:35:53 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: starzecm Date: 07-Oct-2016 17:35:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	2.232	2.247	-0.015	97	335980	1000.0	
* 38 2-Butanone-d5	46	3.122	3.126	-0.004	30	412164	250.0	
$ 49 Dibromofluoromethane (Surr	113	3.564	3.568	-0.004	97	133073	47.4	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.871	3.871	0.000	97	192229	50.1	
* 61 Fluorobenzene	96	4.204	4.204	0.000	98	579261	50.0	
* 68 1,4-Dioxane-d8	96	4.919	4.930	-0.011	92	39810	1000.0	
$ 79 Toluene-d8 (Surr)	98	5.981	5.982	-0.001	99	494992	48.2	
* 90 Chlorobenzene-d5	117	7.935	7.931	0.004	89	418444	50.0	
$ 101 4-Bromofluorobenzene	174	9.765	9.769	-0.004	89	152146	46.5	
* 116 1,4-Dichlorobenzene-d4	152	11.599	11.595	0.003	97	202736	50.0	

Reagents:

8260ISNEW_00090 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00139 Amount Added: 1.00 Units: uL Run Reagent

TestAmerica Edison
Tentatively Identified Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15967.D				
Lims ID:	460-121166-B-3				
Client ID:	PZ-23				
Sample Type:	Client				
Inject. Date:	07-Oct-2016 16:01:30	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-121166-B-3				
Misc. Info.:	460-0046552-023				
Operator ID:		Instrument ID:	CVOAMS12		
Method:	\\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\8260W_12.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	07-Oct-2016 17:35:53	Calib Date:	30-Sep-2016 19:03:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\ChromNA\Edison\Database\NIST02.L				
Min. Match:	80				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	XAWRK019				
First Level Reviewer: starzecm		Date:	07-Oct-2016 17:35:53		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
60-29-7 Ethyl ether								
1.749	183120	7.32	61	90	824	C4H10O	74	

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 61 Fluorobenzene	4.204	1250765	50.0

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00090	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00139	Amount Added:	1.00	Units: uL	Run Reagent

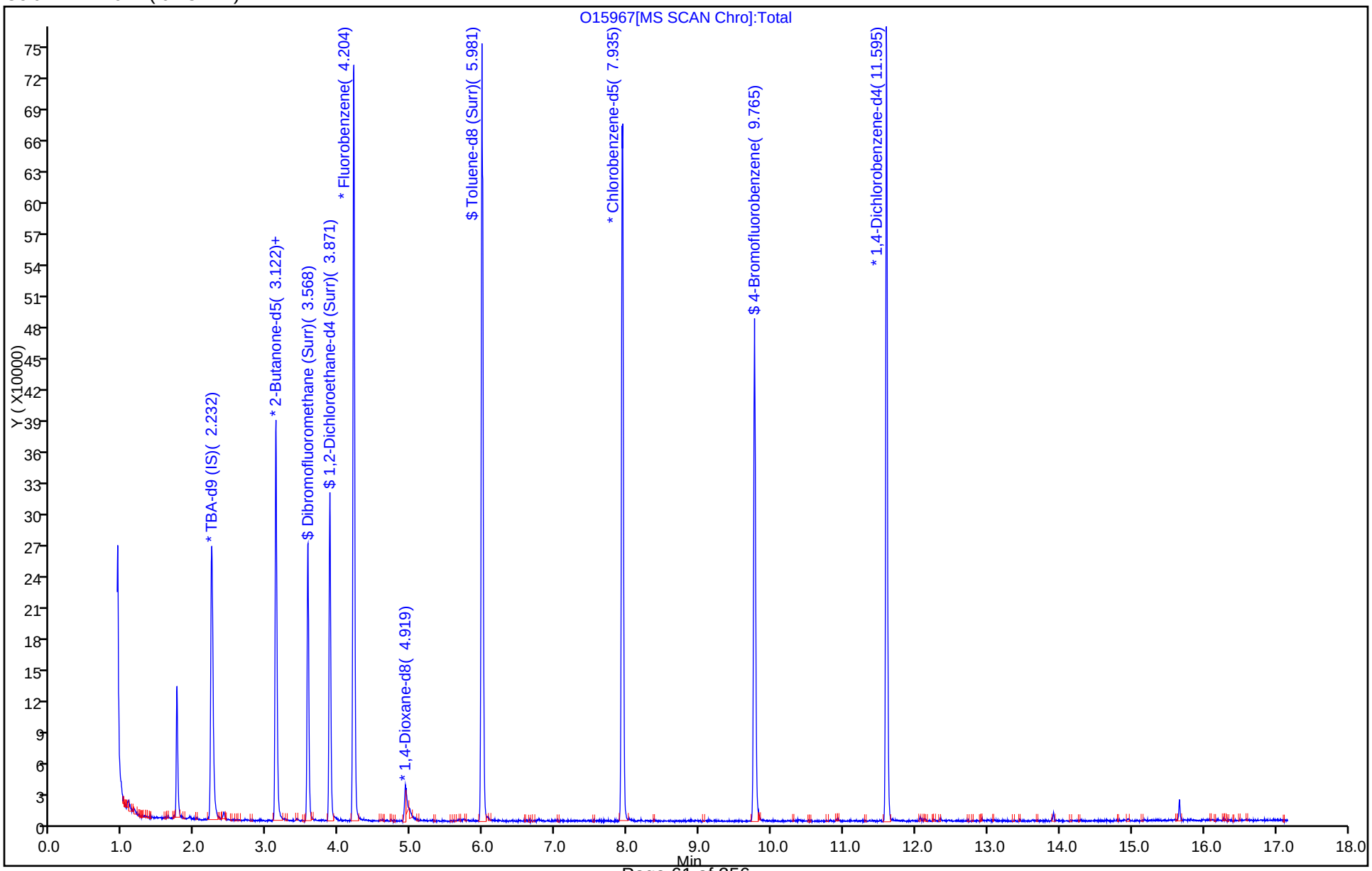
Report Date: 07-Oct-2016 17:35:54 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15967.D

Injection Date:	07-Oct-2016 16:01:30	Instrument ID:	CVOAMS12	Operator ID:	
Lims ID:	460-121166-B-3	Lab Sample ID:	460-121166-3	Worklist Smp#:	23
Client ID:	PZ-23				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



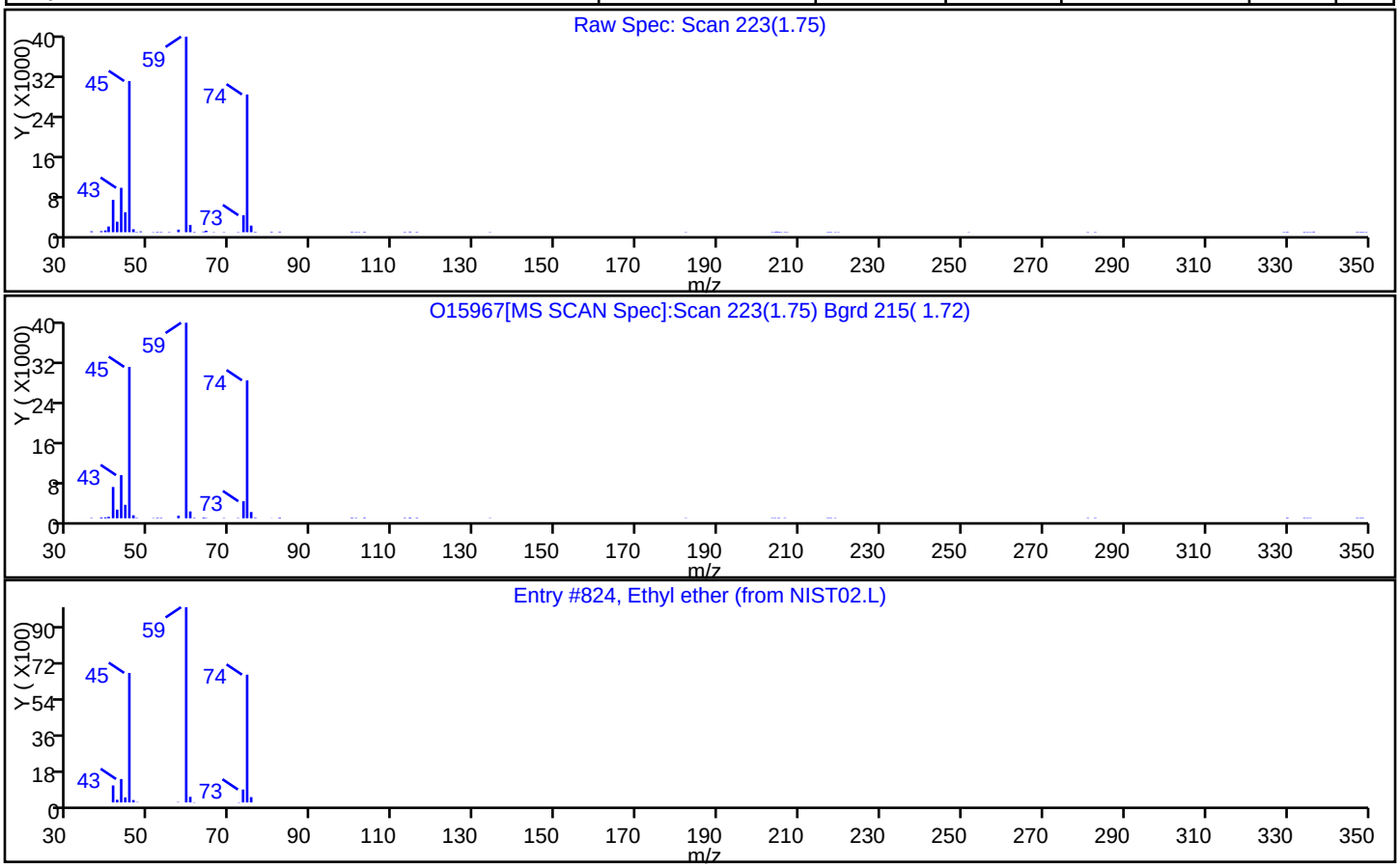
Report Date: 07-Oct-2016 17:35:54 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15967.D

Injection Date:	07-Oct-2016 16:01:30	Instrument ID:	CVOAMS12
Lims ID:	460-121166-B-3	Lab Sample ID:	460-121166-3
Client ID:	PZ-23		
Operator ID:		ALS Bottle#:	22 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid
Column:		Detector	MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Ethyl ether	60-29-7	NIST02.L	824	C4H10O	74	90



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: MW-36 | Lab Sample ID: 460-121166-4

Matrix: Water | Lab File ID: O15968.D

Analysis Method: 8260C | Date Collected: 09/27/2016 12:15

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 16:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395562 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	MIBK	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	1.1		1.0	0.24
75-00-3	Chloroethane	0.37	U	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
124-48-1	Dibromochloromethane	0.22	U	1.0	0.22
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.18	J	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-01-4	Vinyl chloride	0.060	U	1.0	0.060
1330-20-7	Xylenes, Total	0.28	U	2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Client Sample ID: MW-36 Lab Sample ID: 460-121166-4

Matrix: Water Lab File ID: O15968.D

Analysis Method: 8260C Date Collected: 09/27/2016 12:15

Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 16:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 395562 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		74-132
460-00-4	Bromofluorobenzene	97		77-124
1868-53-7	Dibromofluoromethane (Surr)	100		72-131
2037-26-5	Toluene-d8 (Surr)	99		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: MW-36 | Lab Sample ID: 460-121166-4

Matrix: Water | Lab File ID: O15968.D

Analysis Method: 8260C | Date Collected: 09/27/2016 12:15

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 16:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395562 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15968.D
Lims ID: 460-121166-B-4
Client ID: MW-36
Sample Type: Client
Inject. Date: 07-Oct-2016 16:29:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-121166-B-4
Misc. Info.: 460-0046552-024
Operator ID: Instrument ID: CVOAMS12

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Oct-2016 17:36:29 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: starzecm Date: 07-Oct-2016 17:36:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	2.232	2.247	-0.015	98	336592	1000.0	
* 38 2-Butanone-d5	46	3.123	3.126	-0.004	30	430610	250.0	
$ 49 Dibromofluoromethane (Surr	113	3.568	3.568	0.000	97	143186	49.9	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.871	3.871	0.000	98	202547	51.6	
* 61 Fluorobenzene	96	4.204	4.204	0.000	98	592546	50.0	
* 68 1,4-Dioxane-d8	96	4.923	4.930	-0.007	94	38373	1000.0	
$ 79 Toluene-d8 (Surr)	98	5.985	5.982	0.003	98	513922	49.6	
84 Tetrachloroethene	166	6.775	6.771	0.004	53	487	0.1752	
* 90 Chlorobenzene-d5	117	7.931	7.931	0.000	89	422197	50.0	
91 Chlorobenzene	112	7.972	7.972	0.000	95	8298	1.08	
$ 101 4-Bromofluorobenzene	174	9.765	9.769	-0.004	92	160246	48.5	
* 116 1,4-Dichlorobenzene-d4	152	11.595	11.595	0.000	97	191540	50.0	

Reagents:

8260ISNEW_00090 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00139 Amount Added: 1.00 Units: uL Run Reagent

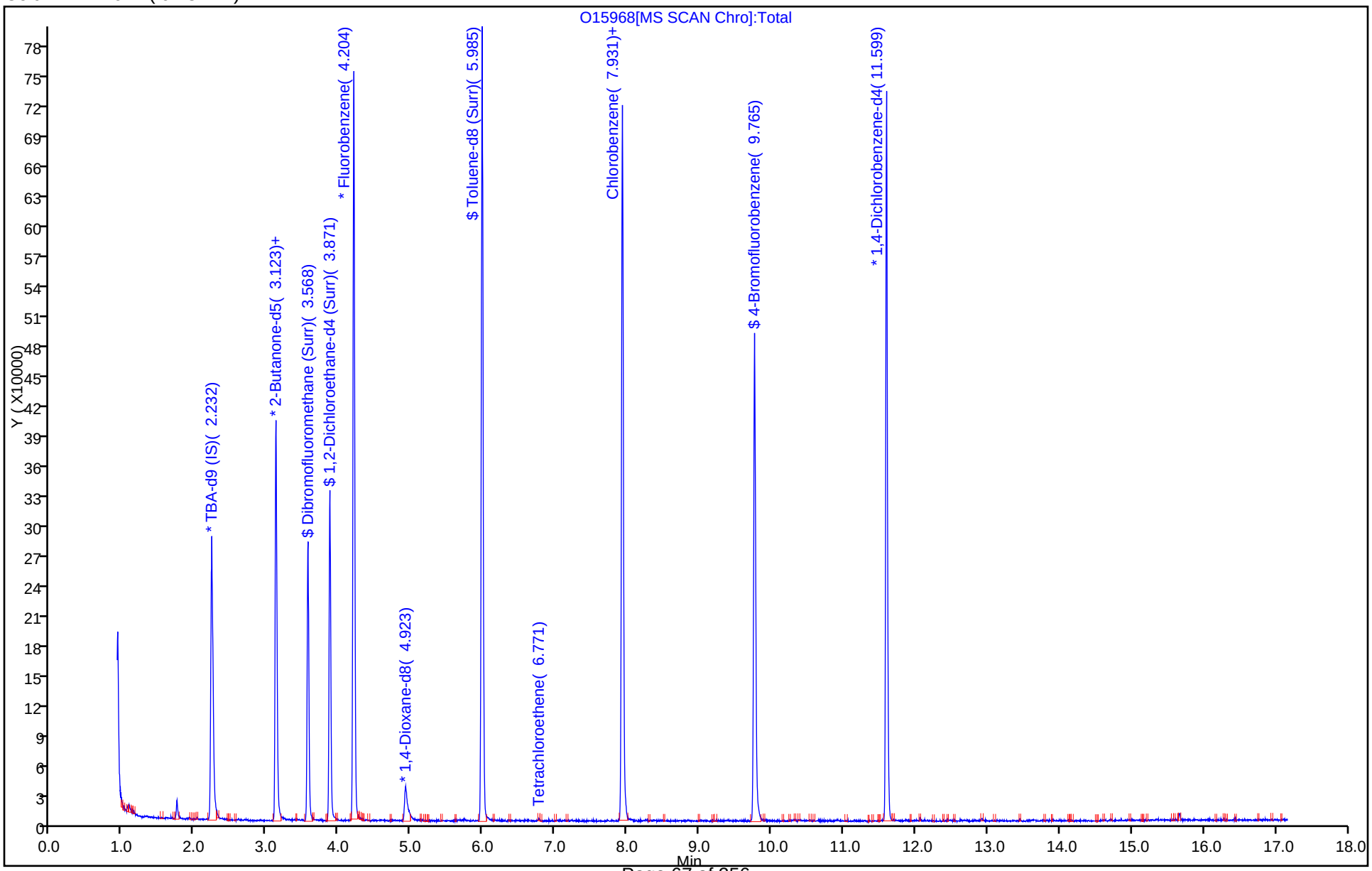
Report Date: 07-Oct-2016 17:36:30 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15968.D

Injection Date:	07-Oct-2016 16:29:30	Instrument ID:	CVOAMS12	Operator ID:	
Lims ID:	460-121166-B-4	Lab Sample ID:	460-121166-4	Worklist Smp#:	24
Client ID:	MW-36				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



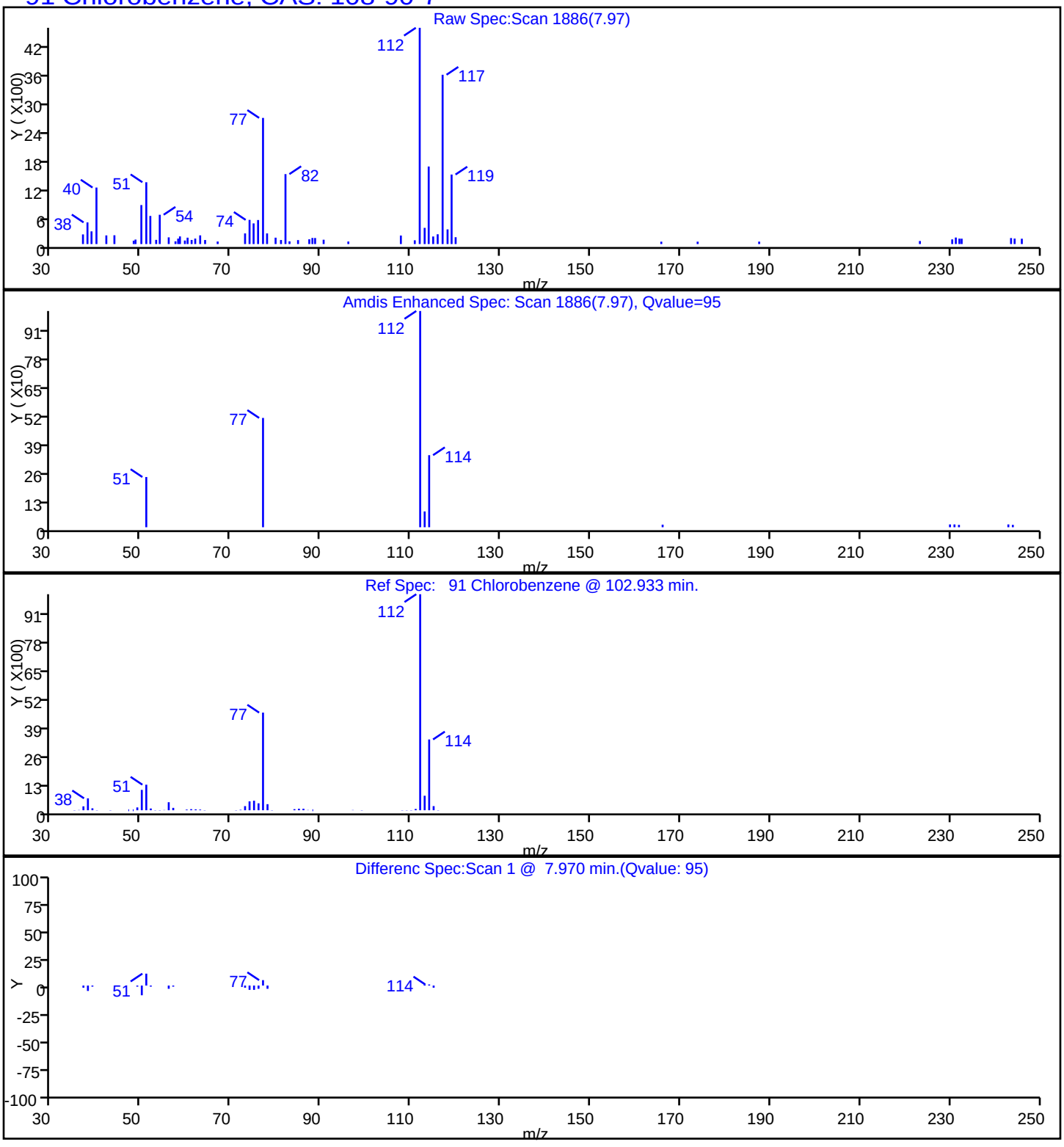
Report Date: 07-Oct-2016 17:36:30 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15968.D

Injection Date:	07-Oct-2016 16:29:30	Instrument ID:	CVOAMS12
Lims ID:	460-121166-B-4	Lab Sample ID:	460-121166-4
Client ID:	MW-36		
Operator ID:		ALS Bottle#:	23 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

91 Chlorobenzene, CAS: 108-90-7



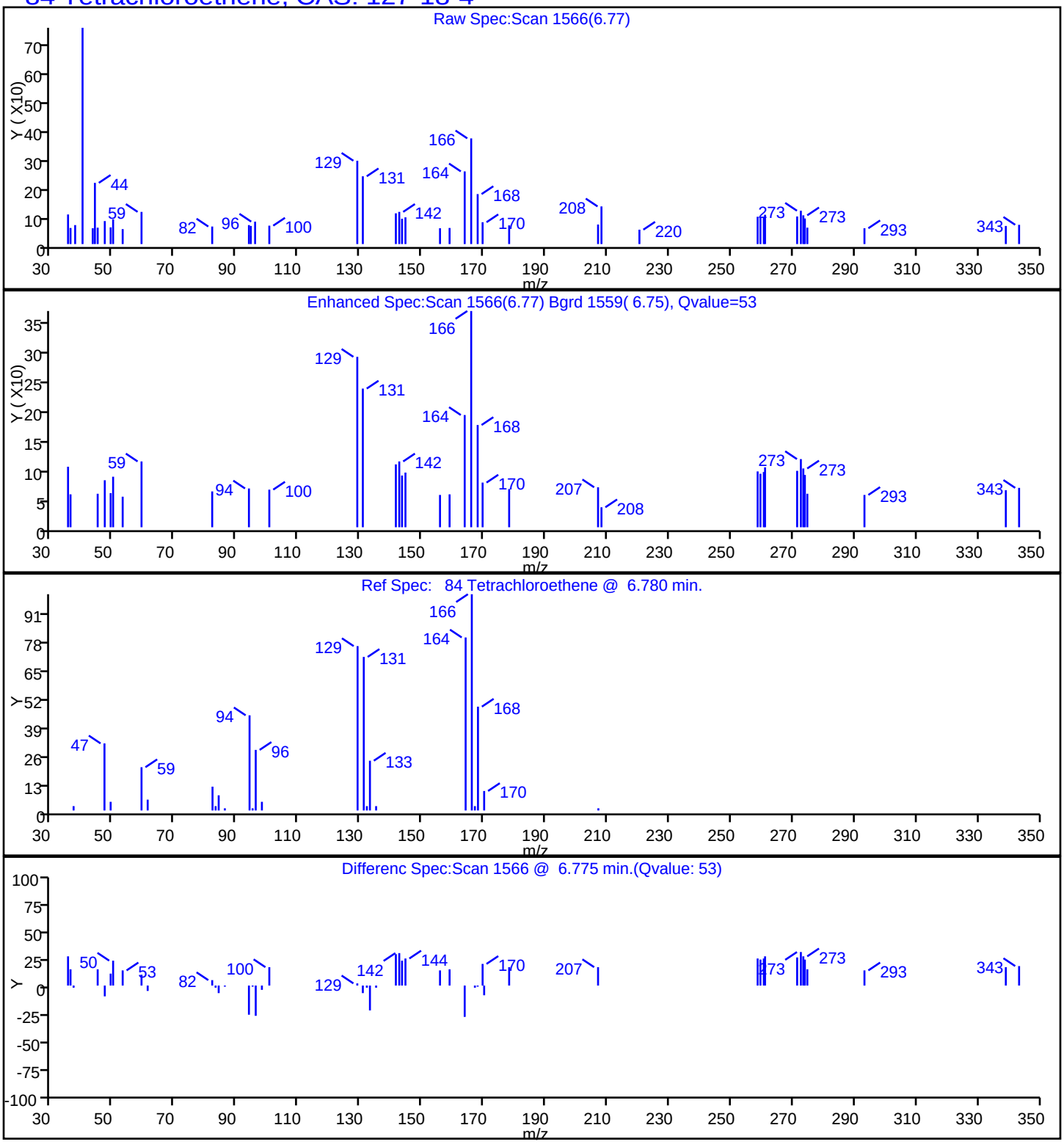
Report Date: 07-Oct-2016 17:36:30 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15968.D

Injection Date:	07-Oct-2016 16:29:30	Instrument ID:	CVOAMS12		
Lims ID:	460-121166-B-4	Lab Sample ID:	460-121166-4		
Client ID:	MW-36				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

84 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: MW-31 | Lab Sample ID: 460-121166-5

Matrix: Water | Lab File ID: O15969.D

Analysis Method: 8260C | Date Collected: 09/27/2016 10:35

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 16:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395562 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	MIBK	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	8.8		1.0	0.090
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	170		1.0	0.24
75-00-3	Chloroethane	130		1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
124-48-1	Dibromochloromethane	0.22	U	1.0	0.22
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.20	J	1.0	0.12
108-88-3	Toluene	0.67	J	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-01-4	Vinyl chloride	0.060	U	1.0	0.060
1330-20-7	Xylenes, Total	0.39	J	2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Client Sample ID: MW-31 Lab Sample ID: 460-121166-5

Matrix: Water Lab File ID: O15969.D

Analysis Method: 8260C Date Collected: 09/27/2016 10:35

Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 16:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 395562 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		74-132
460-00-4	Bromofluorobenzene	103		77-124
1868-53-7	Dibromofluoromethane (Surr)	104		72-131
2037-26-5	Toluene-d8 (Surr)	112		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: MW-31 | Lab Sample ID: 460-121166-5

Matrix: Water | Lab File ID: O15969.D

Analysis Method: 8260C | Date Collected: 09/27/2016 10:35

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 16:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395562 | Units: ug/L

Number TICs Found: 3 | TIC Result Total: 88.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
60-29-7	Ethyl ether	1.75	49	J N	90%
591-97-9	2-Butene, 1-chloro-	7.81	5.3	J N	83%
95-49-8	Benzene, 1-chloro-2-methyl-	10.31	34	J N	96%

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15969.D
Lims ID: 460-121166-B-5
Client ID: MW-31
Sample Type: Client
Inject. Date: 07-Oct-2016 16:57:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-121166-B-5
Misc. Info.: 460-0046552-025
Operator ID: Instrument ID: CVOAMS12

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Oct-2016 17:52:44 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: starzecm Date: 07-Oct-2016 17:52:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
7 Chloroethane	64	1.420	1.412	0.008	100	214848	131.9	
* 27 TBA-d9 (IS)	65	2.228	2.247	-0.019	97	354933	1000.0	
* 38 2-Butanone-d5	46	3.123	3.126	-0.003	30	430762	250.0	
$ 49 Dibromofluoromethane (Surr	113	3.568	3.568	0.000	97	145375	51.9	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.871	3.871	0.000	97	201712	52.7	
56 Benzene	78	3.927	3.927	0.000	96	107218	8.79	
* 61 Fluorobenzene	96	4.204	4.204	0.000	98	578155	50.0	
* 68 1,4-Dioxane-d8	96	4.923	4.930	-0.007	94	42632	1000.0	
$ 79 Toluene-d8 (Surr)	98	5.985	5.982	0.003	99	546091	55.9	
80 Toluene	91	6.072	6.068	0.004	94	7582	0.6669	
84 Tetrachloroethene	166	6.779	6.771	0.008	27	512	0.1953	
* 90 Chlorobenzene-d5	117	7.931	7.931	0.000	89	398176	50.0	
91 Chlorobenzene	112	7.969	7.972	-0.003	94	1255157	173.6	
95 o-Xylene	106	8.953	8.953	0.000	93	1761	0.3939	
$ 101 4-Bromofluorobenzene	174	9.765	9.769	-0.004	93	159653	51.3	
* 116 1,4-Dichlorobenzene-d4	152	11.599	11.595	0.004	97	210003	50.0	
S 132 Xylenes, Total	100				0		0.3939	

Reagents:

8260ISNEW_00090	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00139	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Edison
Tentatively Identified Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15969.D
Lims ID: 460-121166-B-5
Client ID: MW-31
Sample Type: Client
Inject. Date: 07-Oct-2016 16:57:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-121166-B-5
Misc. Info.: 460-0046552-025
Operator ID: Instrument ID: CVOAMS12

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Oct-2016 17:52:44 Calib Date: 30-Sep-2016 19:03:30
Tic RT Window: 0.000 -0.000 Response: area
Quant By: Nearest ISTD Quant LOD: 10.00000
MS Library: \\ChromNA\Edison\Database\NIST02.L
Min. Match: 80

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: starzecm Date: 07-Oct-2016 17:52:44

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
	60-29-7	Ethyl ether						
1.749	1245181	48.6	61	90	824	C4H10O	74	
	591-97-9	2-Butene, 1-chloro-						
7.812	130353	5.32	90	83	2305	C4H7Cl	90	
	95-49-8	Benzene, 1-chloro-2-methyl-						
10.308	878832	33.6	116	96	10920	C7H7Cl	126	

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 61 Fluorobenzene	4.204	1281608	50.0
* 90 Chlorobenzene-d5	7.931	1224271	50.0
* 116 1,4-Dichlorobenzene-d4	11.599	1309568	50.0

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00090	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00139	Amount Added:	1.00	Units: uL	Run Reagent

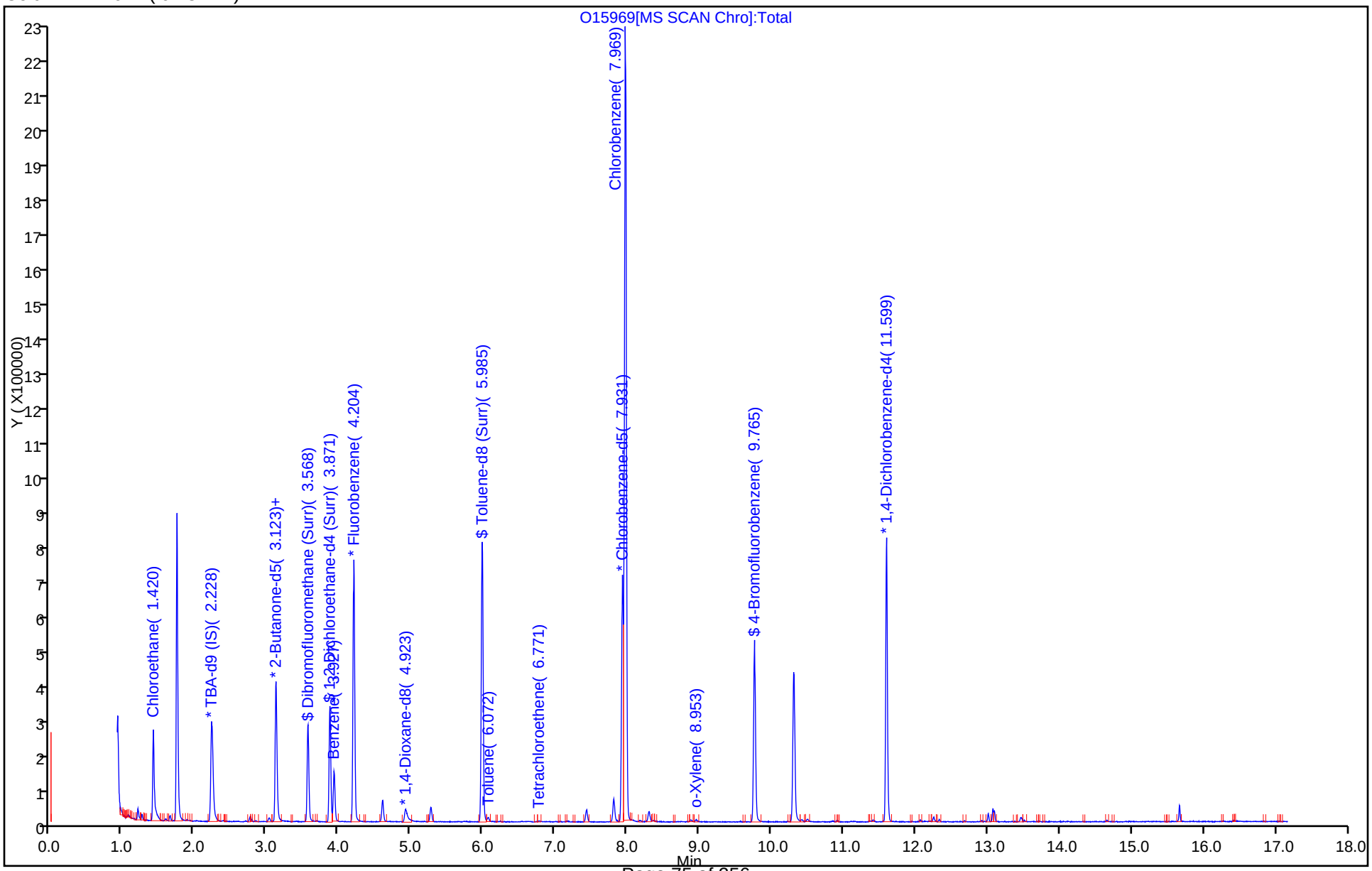
Report Date: 07-Oct-2016 17:52:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15969.D

Injection Date:	07-Oct-2016 16:57:30	Instrument ID:	CVOAMS12	Operator ID:	
Lims ID:	460-121166-B-5	Lab Sample ID:	460-121166-5	Worklist Smp#:	25
Client ID:	MW-31				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



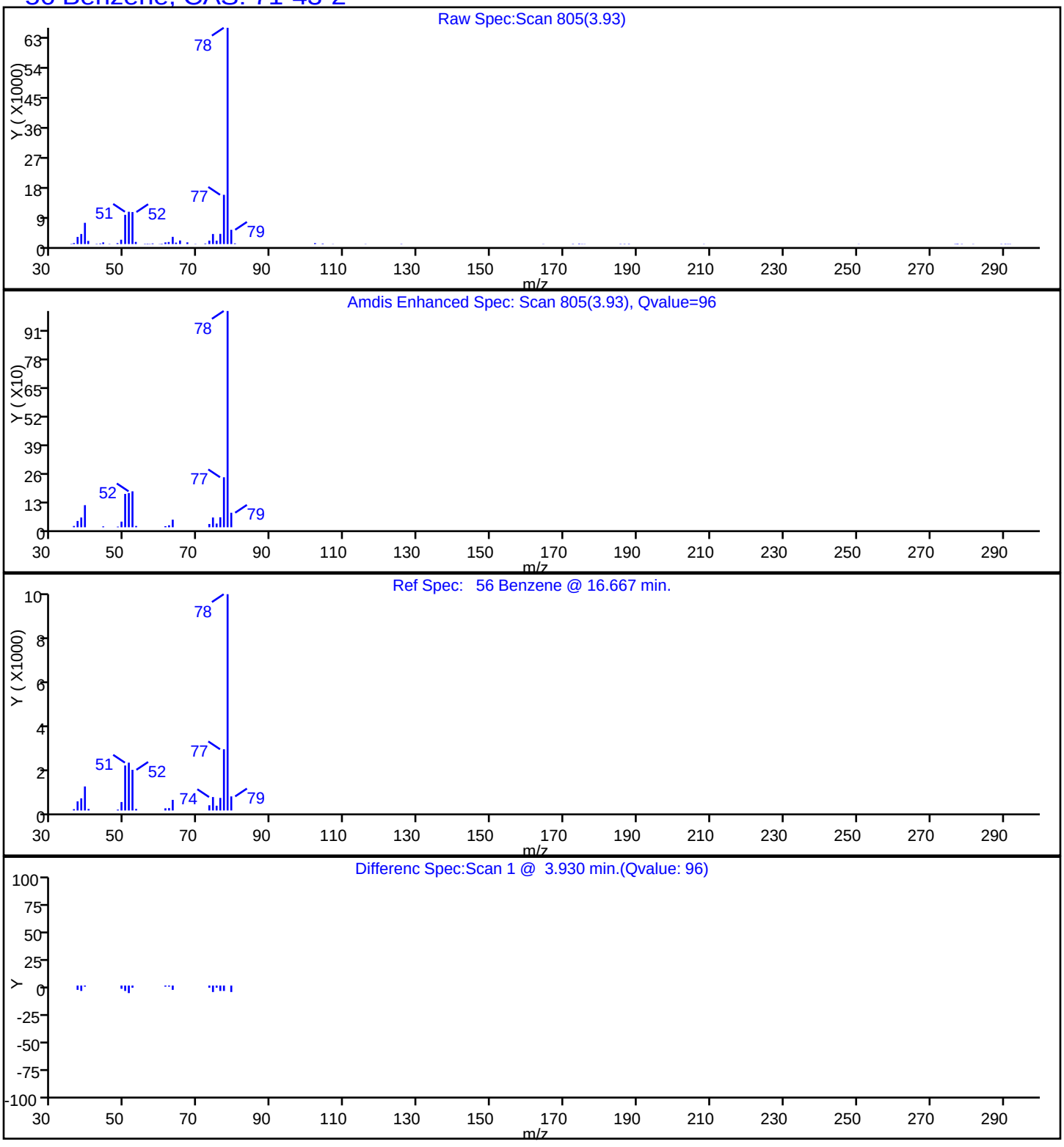
Report Date: 07-Oct-2016 17:52:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15969.D

Injection Date:	07-Oct-2016 16:57:30	Instrument ID:	CVOAMS12
Lims ID:	460-121166-B-5	Lab Sample ID:	460-121166-5
Client ID:	MW-31		
Operator ID:		ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

56 Benzene, CAS: 71-43-2



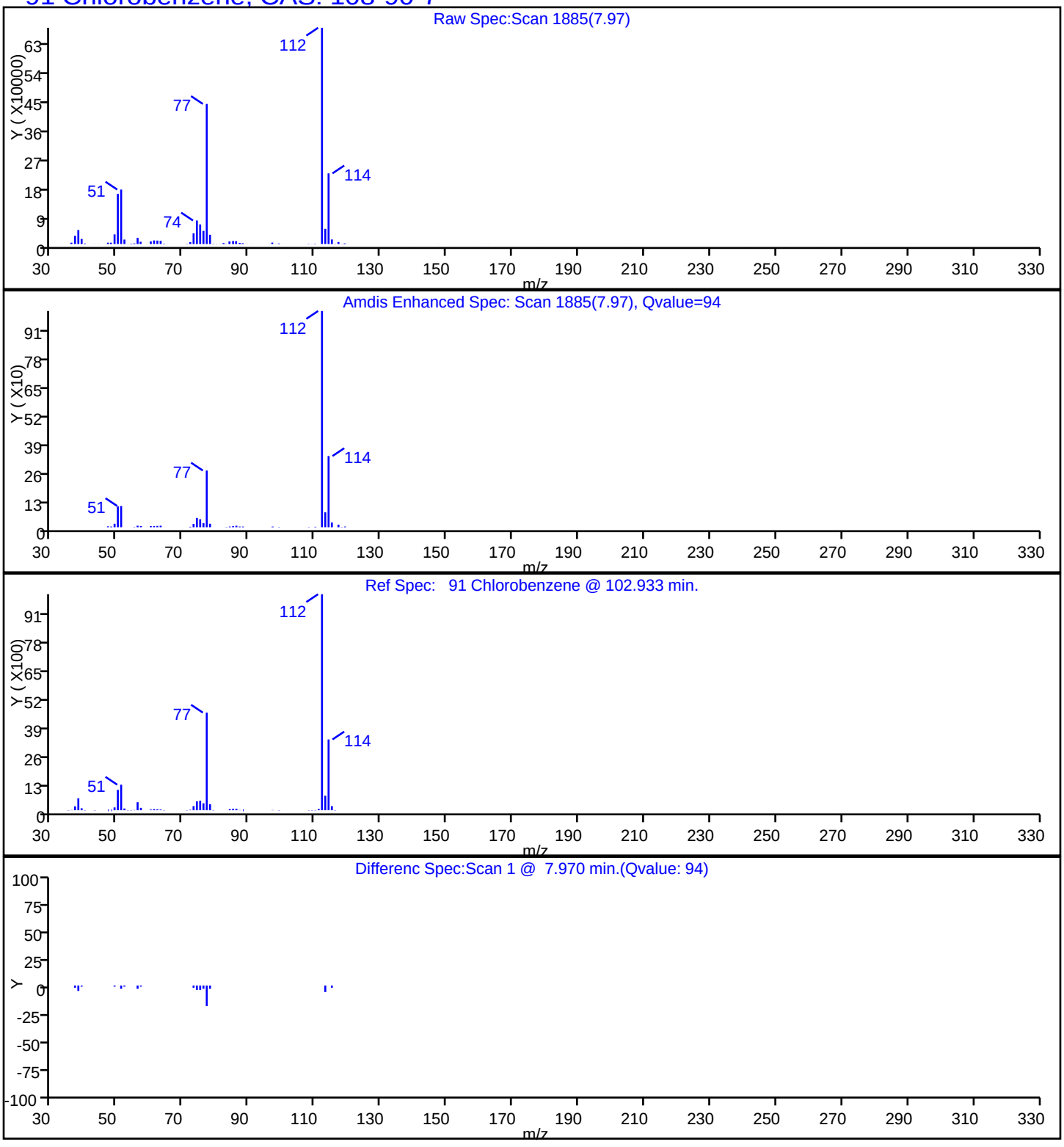
Report Date: 07-Oct-2016 17:52:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15969.D

Injection Date:	07-Oct-2016 16:57:30	Instrument ID:	CVOAMS12
Lims ID:	460-121166-B-5	Lab Sample ID:	460-121166-5
Client ID:	MW-31		
Operator ID:		ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

91 Chlorobenzene, CAS: 108-90-7



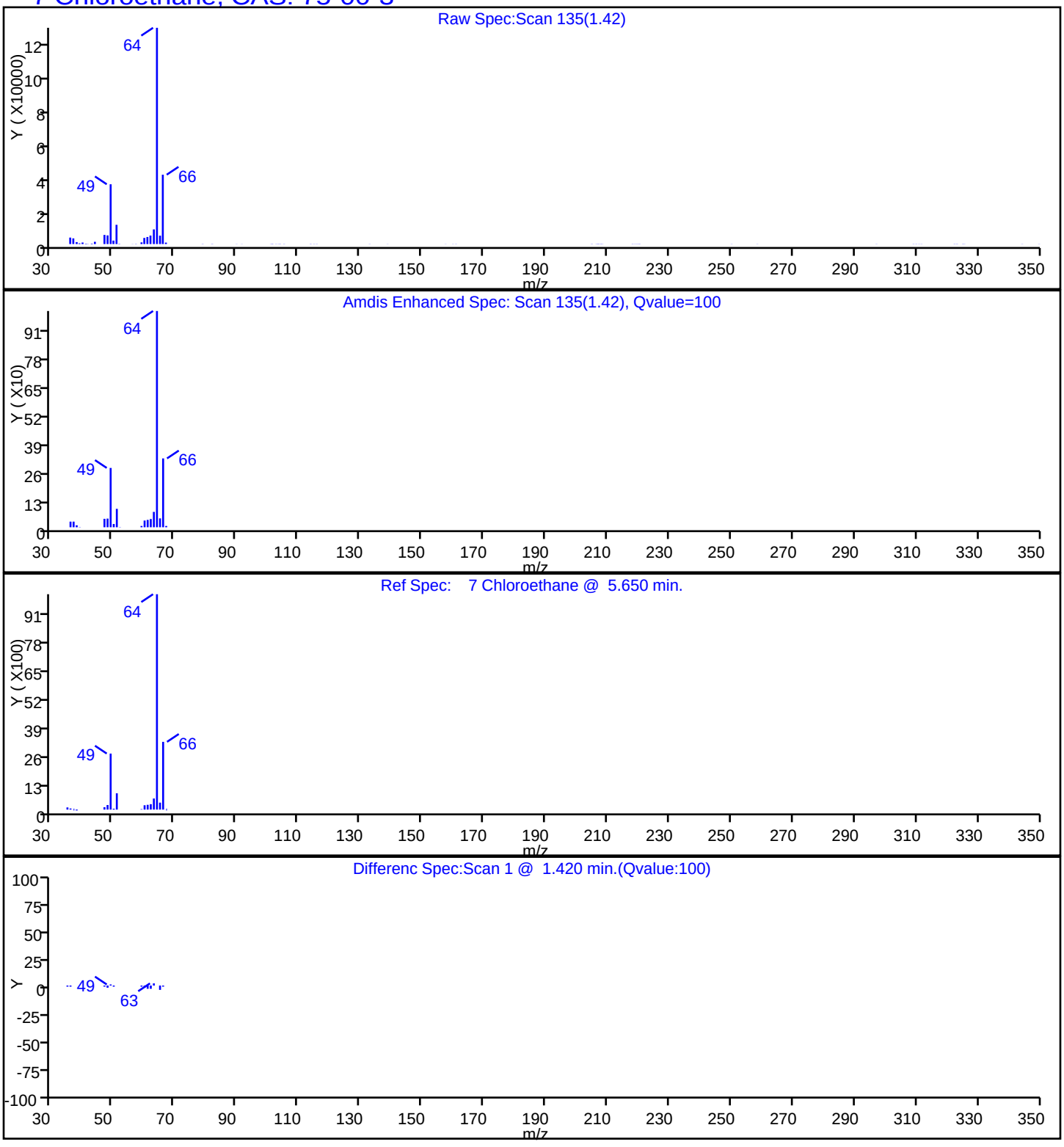
Report Date: 07-Oct-2016 17:52:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15969.D

Injection Date:	07-Oct-2016 16:57:30	Instrument ID:	CVOAMS12		
Lims ID:	460-121166-B-5	Lab Sample ID:	460-121166-5		
Client ID:	MW-31				
Operator ID:		ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

7 Chloroethane, CAS: 75-00-3



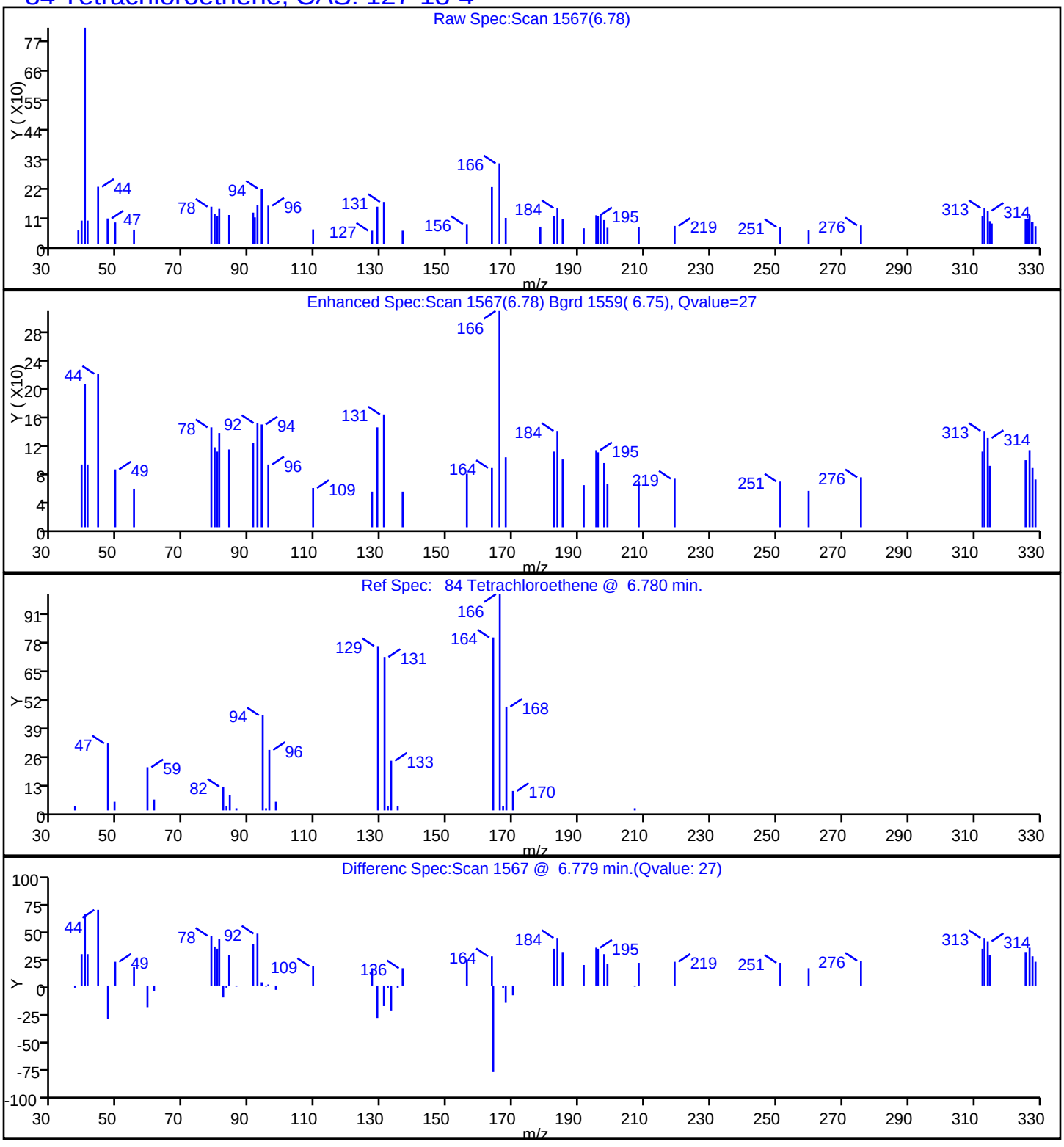
Report Date: 07-Oct-2016 17:52:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15969.D

Injection Date:	07-Oct-2016 16:57:30	Instrument ID:	CVOAMS12		
Lims ID:	460-121166-B-5	Lab Sample ID:	460-121166-5		
Client ID:	MW-31				
Operator ID:		ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

84 Tetrachloroethene, CAS: 127-18-4



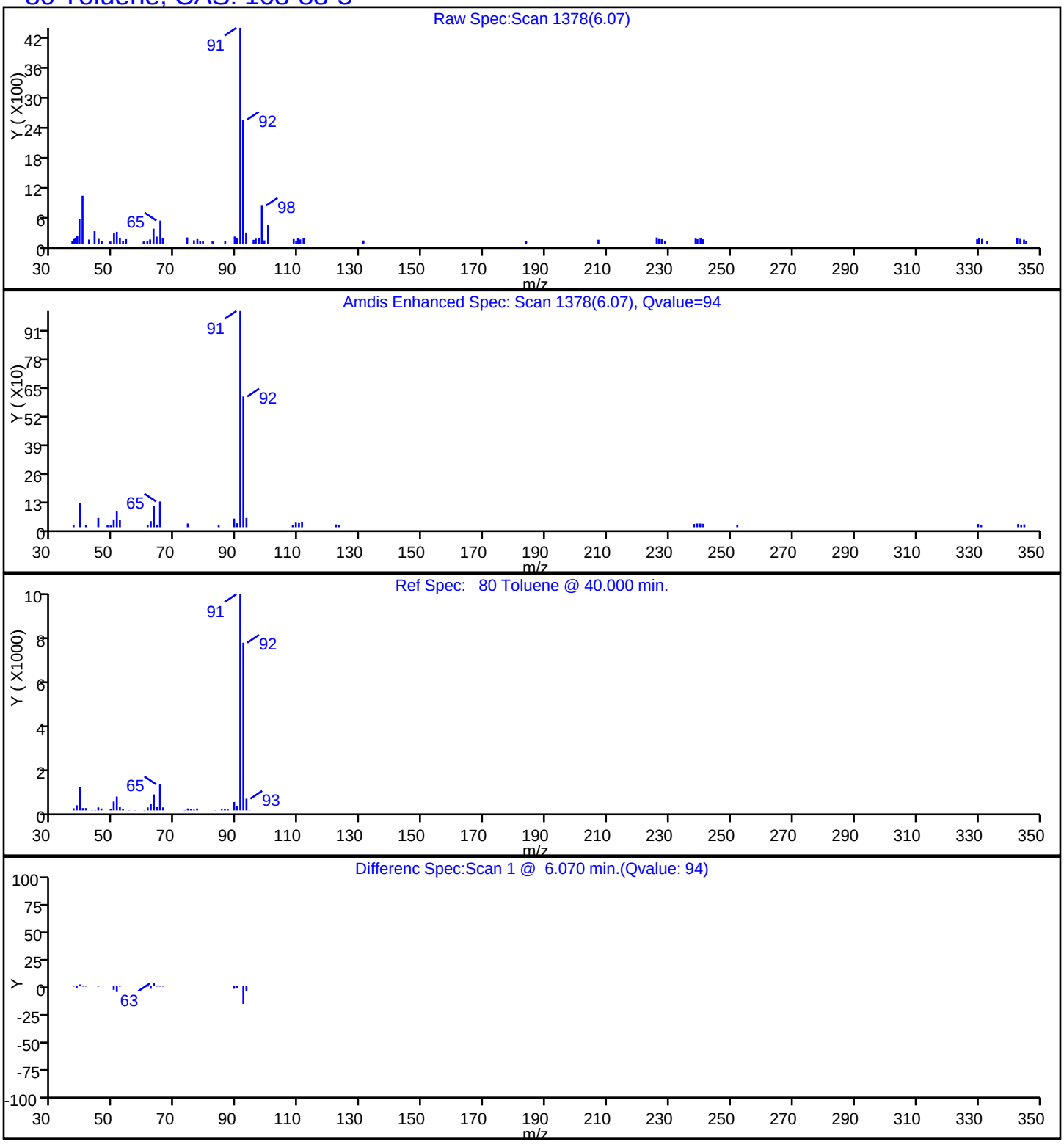
Report Date: 07-Oct-2016 17:52:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15969.D

Injection Date:	07-Oct-2016 16:57:30	Instrument ID:	CVOAMS12		
Lims ID:	460-121166-B-5	Lab Sample ID:	460-121166-5		
Client ID:	MW-31				
Operator ID:		ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

80 Toluene, CAS: 108-88-3



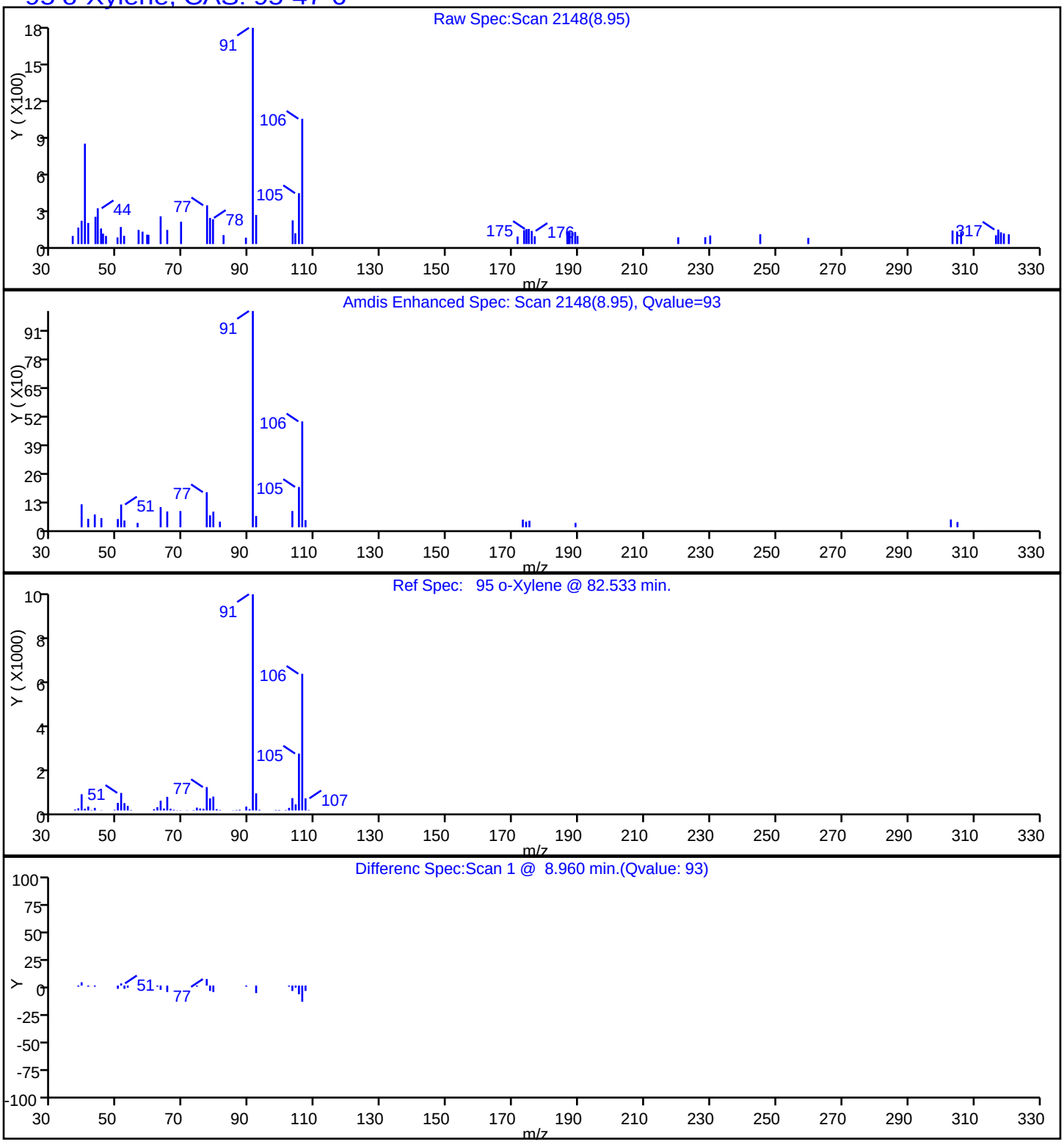
Report Date: 07-Oct-2016 17:52:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15969.D

Injection Date:	07-Oct-2016 16:57:30	Instrument ID:	CVOAMS12
Lims ID:	460-121166-B-5	Lab Sample ID:	460-121166-5
Client ID:	MW-31		
Operator ID:		ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

95 o-Xylene, CAS: 95-47-6



Report Date: 07-Oct-2016 17:52:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15969.D

Injection Date: 07-Oct-2016 16:57:30 Instrument ID: CVOAMS12

Lims ID: 460-121166-B-5 Lab Sample ID: 460-121166-5

Client ID: MW-31

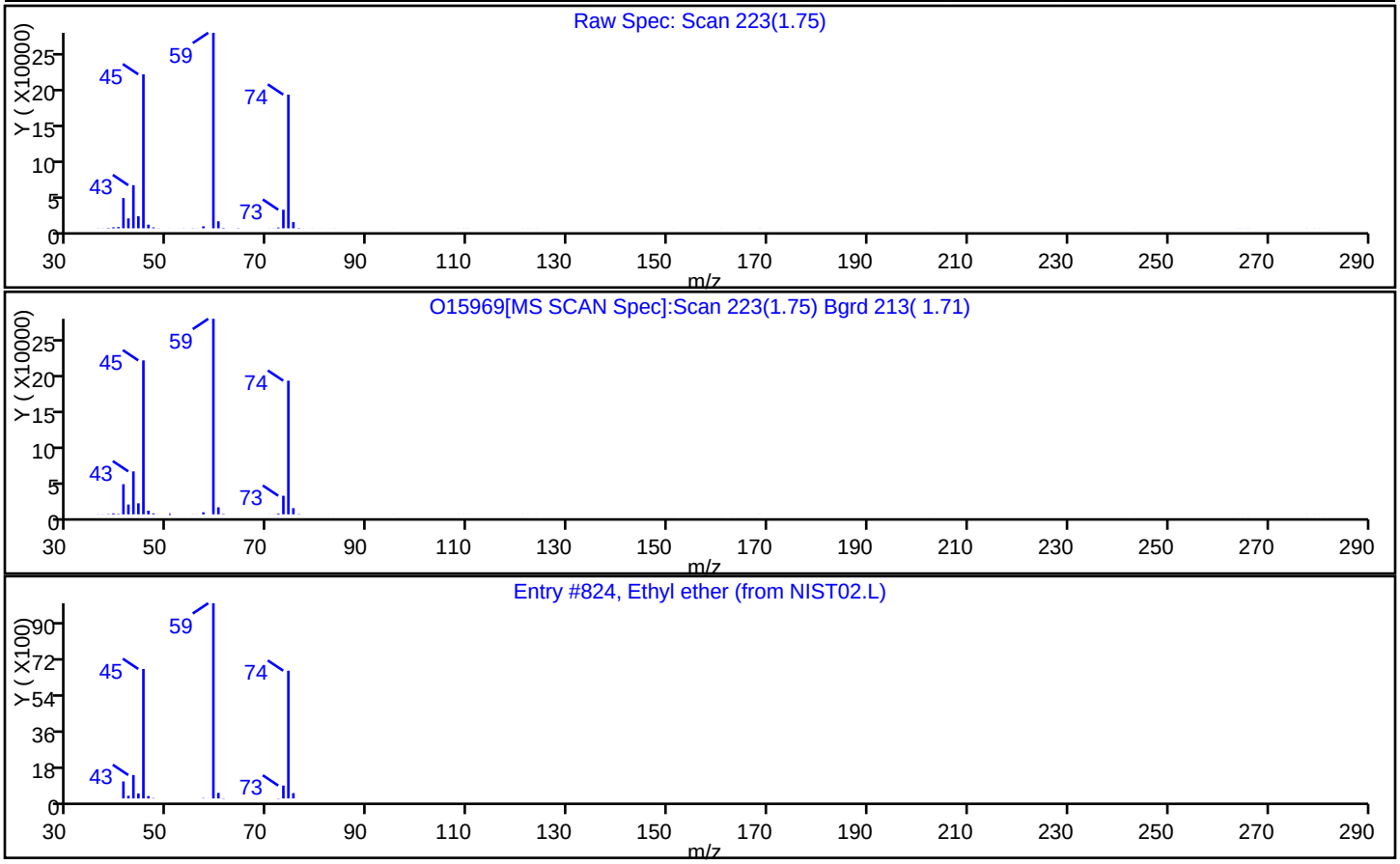
Operator ID: ALS Bottle#: 24 Worklist Smp#: 25

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Ethyl ether	60-29-7	NIST02.L	824	C4H10O	74	90



Report Date: 07-Oct-2016 17:52:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15969.D

Injection Date: 07-Oct-2016 16:57:30 Instrument ID: CVOAMS12

Lims ID: 460-121166-B-5 Lab Sample ID: 460-121166-5

Client ID: MW-31

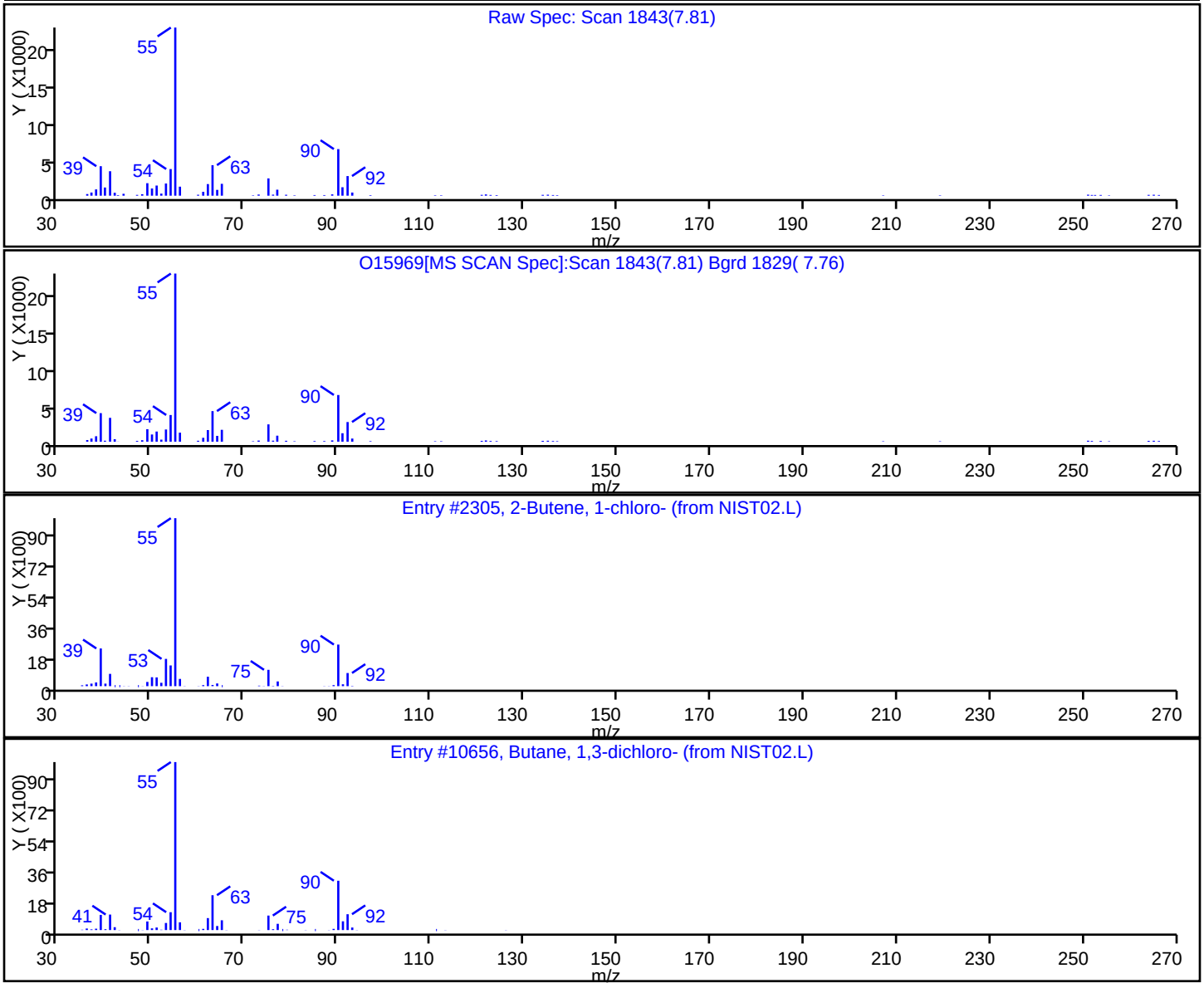
Operator ID: ALS Bottle#: 24 Worklist Smp#: 25

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
2-Butene, 1-chloro-	591-97-9	NIST02.L	2305	C4H7Cl	90	83
Butane, 1,3-dichloro-	1190-22-3	NIST02.L	10656	C4H8Cl2	126	83



Report Date: 07-Oct-2016 17:52:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15969.D

Injection Date: 07-Oct-2016 16:57:30 Instrument ID: CVOAMS12

Lims ID: 460-121166-B-5 Lab Sample ID: 460-121166-5

Client ID: MW-31

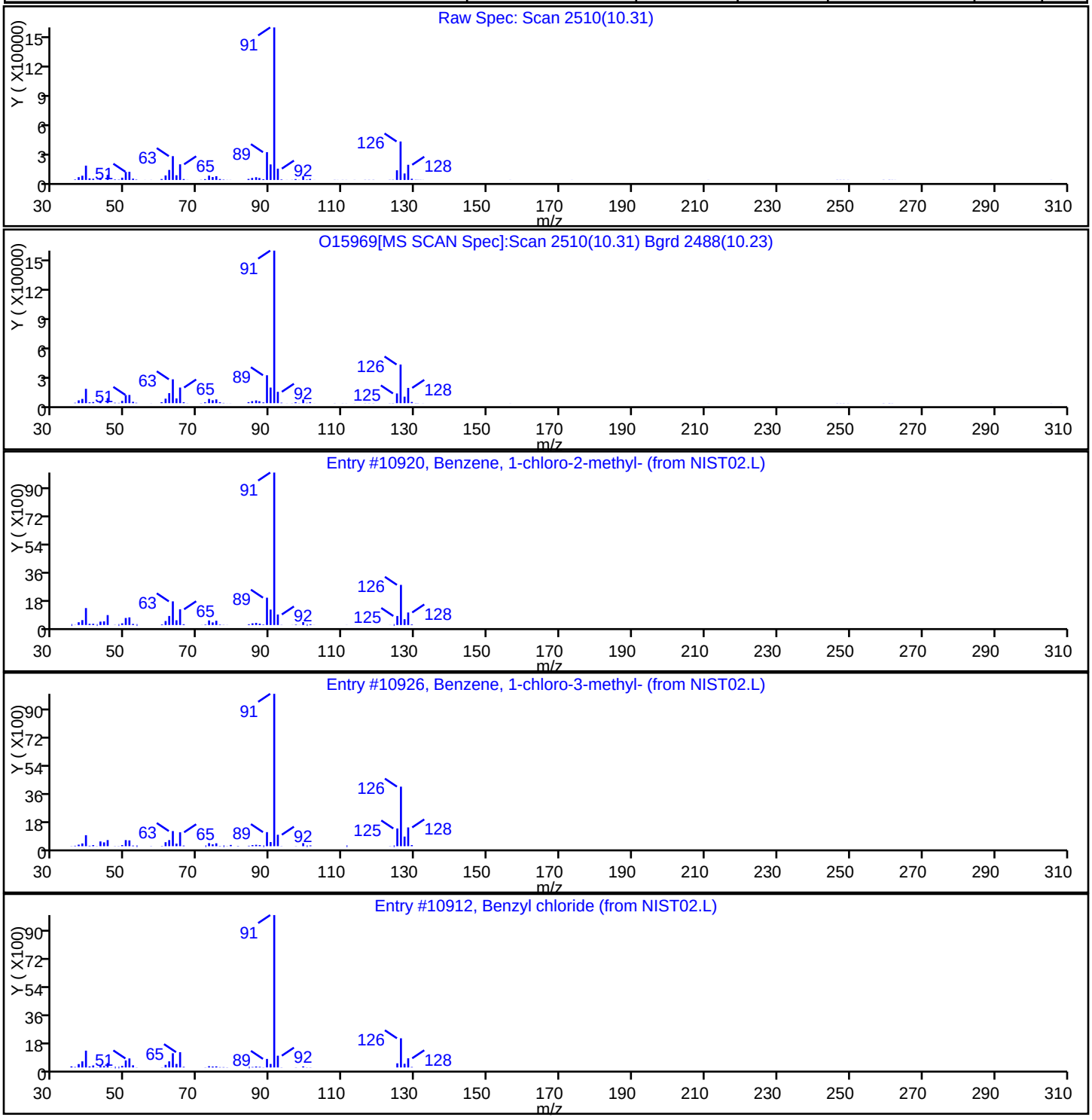
Operator ID: ALS Bottle#: 24 Worklist Smp#: 25

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Benzene, 1-chloro-2-methyl-	95-49-8	NIST02.L	10920	C7H7Cl	126	96
Benzene, 1-chloro-3-methyl-	108-41-8	NIST02.L	10926	C7H7Cl	126	87
Benzyl chloride	100-44-7	NIST02.L	10912	C7H7Cl	126	87



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: MW-24 | Lab Sample ID: 460-121166-6

Matrix: Water | Lab File ID: O15979.D

Analysis Method: 8260C | Date Collected: 09/27/2016 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 21:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395751 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	MIBK	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	0.86	J	1.0	0.090
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U *	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	46		1.0	0.24
75-00-3	Chloroethane	0.37	U *	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	36		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
124-48-1	Dibromochloromethane	0.22	U	1.0	0.22
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.70	J	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	25		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	7.3		1.0	0.22
75-01-4	Vinyl chloride	5.2		1.0	0.060
1330-20-7	Xylenes, Total	0.28	U	2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Client Sample ID: MW-24 Lab Sample ID: 460-121166-6

Matrix: Water Lab File ID: O15979.D

Analysis Method: 8260C Date Collected: 09/27/2016 11:30

Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 21:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 395751 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		74-132
460-00-4	Bromofluorobenzene	94		77-124
1868-53-7	Dibromofluoromethane (Surr)	93		72-131
2037-26-5	Toluene-d8 (Surr)	102		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Client Sample ID: MW-24 Lab Sample ID: 460-121166-6

Matrix: Water Lab File ID: O15979.D

Analysis Method: 8260C Date Collected: 09/27/2016 11:30

Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 21:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 395751 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15979.D
Lims ID: 460-121166-B-6
Client ID: MW-24
Sample Type: Client
Inject. Date: 07-Oct-2016 21:21:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-121166-B-6
Misc. Info.: 460-0046589-010
Operator ID: Instrument ID: CVOAMS12

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Oct-2016 22:02:30 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: starzecm Date: 07-Oct-2016 22:02:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Vinyl chloride	62	1.165	1.162	0.003	98	21922	5.15	
* 27 TBA-d9 (IS)	65	2.228	2.232	-0.004	98	306949	1000.0	
30 trans-1,2-Dichloroethene	96	2.393	2.393	0.000	98	80064	24.7	
* 38 2-Butanone-d5	46	3.123	3.123	-0.001	30	392452	250.0	
40 cis-1,2-Dichloroethene	96	3.152	3.152	0.000	92	132487	36.1	
$ 49 Dibromofluoromethane (Surr	113	3.564	3.568	-0.004	95	132012	46.5	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.871	3.875	-0.004	97	191902	49.4	
56 Benzene	78	3.927	3.931	-0.004	97	10789	0.8600	
* 61 Fluorobenzene	96	4.200	4.204	-0.004	98	586066	50.0	
64 Trichloroethene	95	4.578	4.578	0.000	97	22780	7.28	
* 68 1,4-Dioxane-d8	96	4.923	4.923	0.000	92	36313	1000.0	
$ 79 Toluene-d8 (Surr)	98	5.985	5.985	0.000	100	514856	51.2	
84 Tetrachloroethene	166	6.771	6.771	0.000	97	1884	0.6989	
* 90 Chlorobenzene-d5	117	7.931	7.931	0.000	88	409493	50.0	
91 Chlorobenzene	112	7.969	7.969	0.000	92	343527	46.2	
$ 101 4-Bromofluorobenzene	174	9.765	9.769	-0.004	90	151006	47.2	
* 116 1,4-Dichlorobenzene-d4	152	11.599	11.599	0.000	97	204154	50.0	

Reagents:

8260ISNEW_00090	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00139	Amount Added:	1.00	Units: uL	Run Reagent

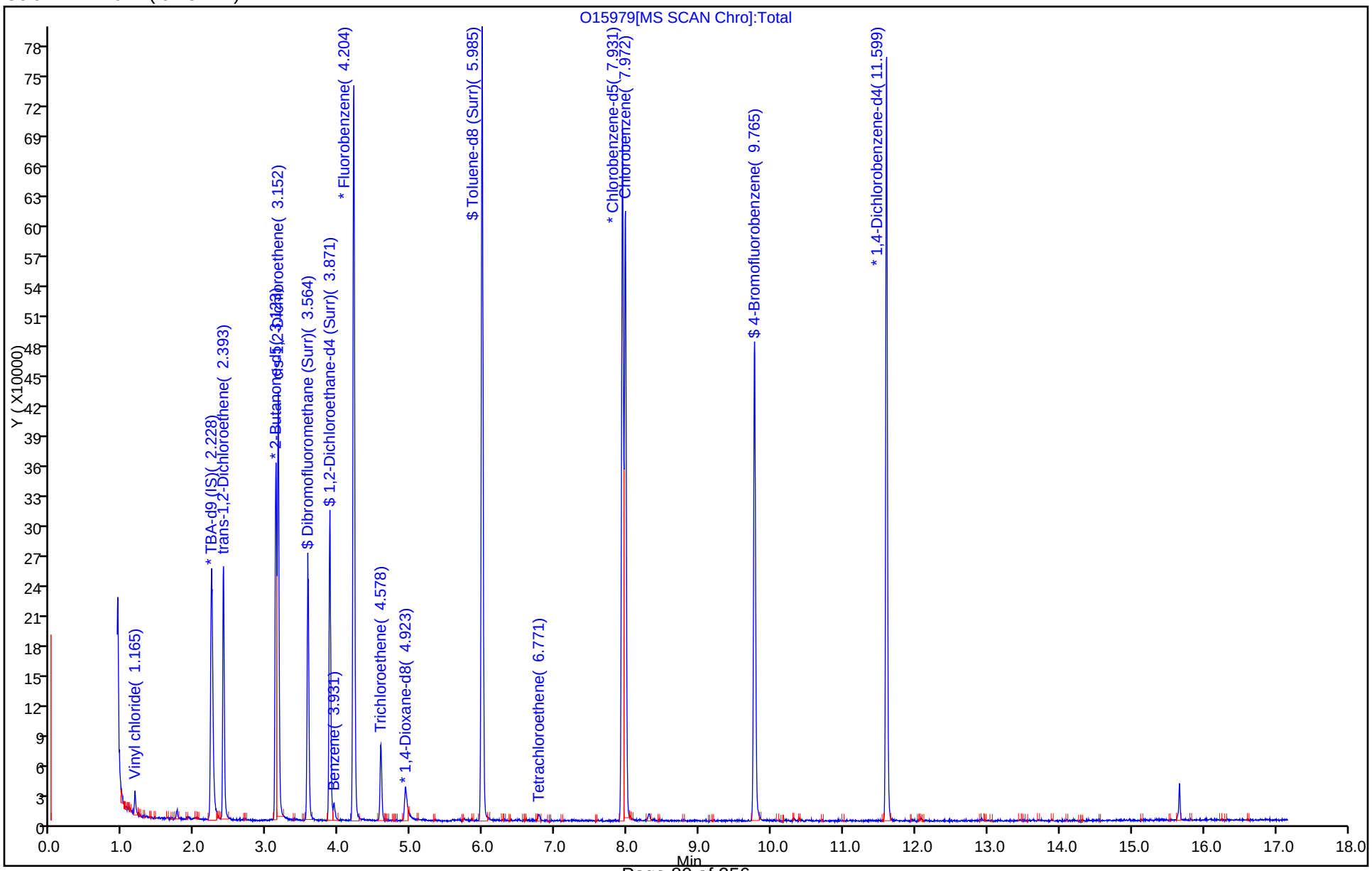
Report Date: 07-Oct-2016 22:02:31 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15979.D

Injection Date:	07-Oct-2016 21:21:30	Instrument ID:	CVOAMS12	Operator ID:	
Lims ID:	460-121166-B-6	Lab Sample ID:	460-121166-6	Worklist Smp#:	10
Client ID:	MW-24				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



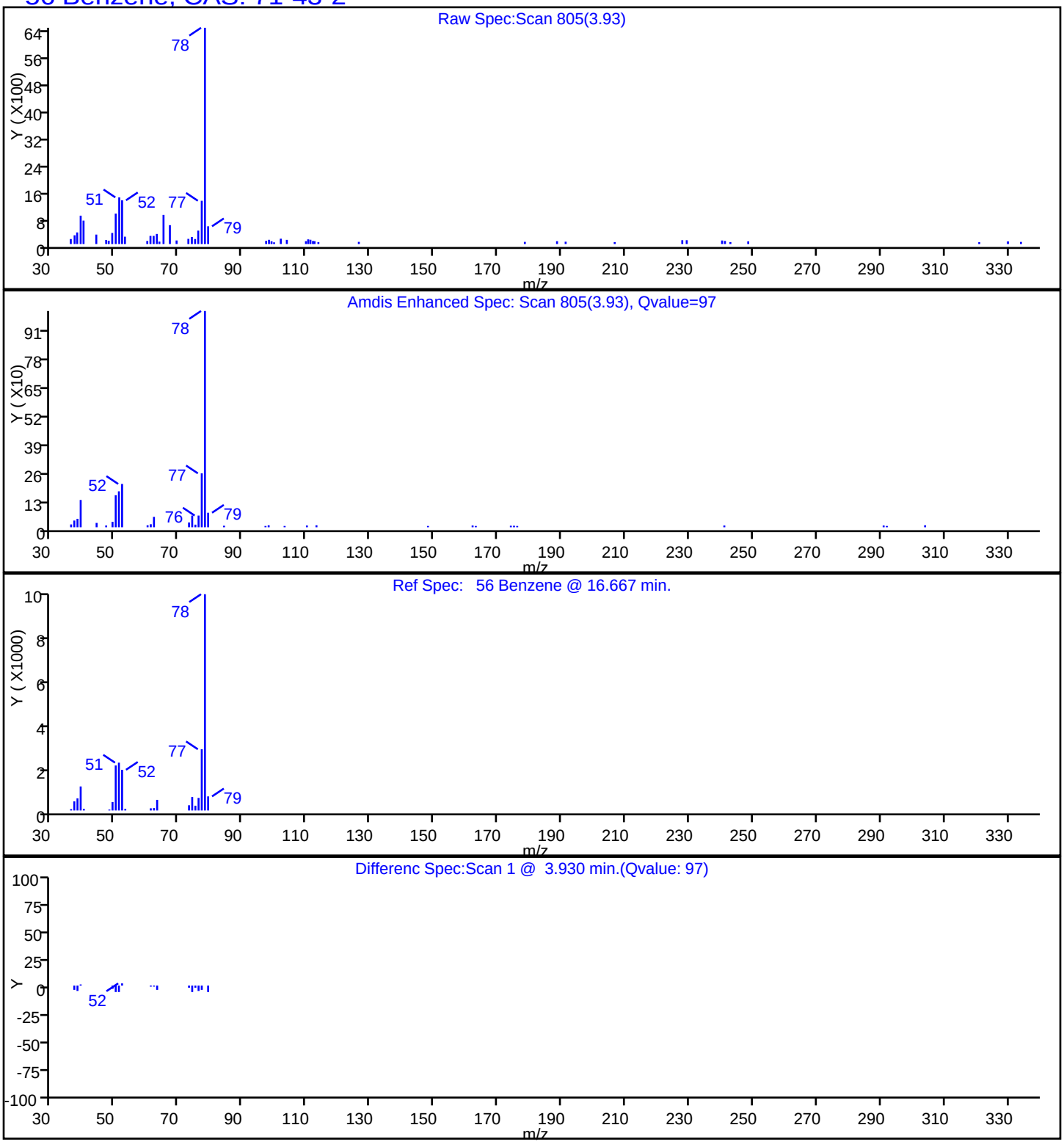
Report Date: 07-Oct-2016 22:02:31 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15979.D

Injection Date:	07-Oct-2016 21:21:30	Instrument ID:	CVOAMS12		
Lims ID:	460-121166-B-6	Lab Sample ID:	460-121166-6		
Client ID:	MW-24				
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

56 Benzene, CAS: 71-43-2



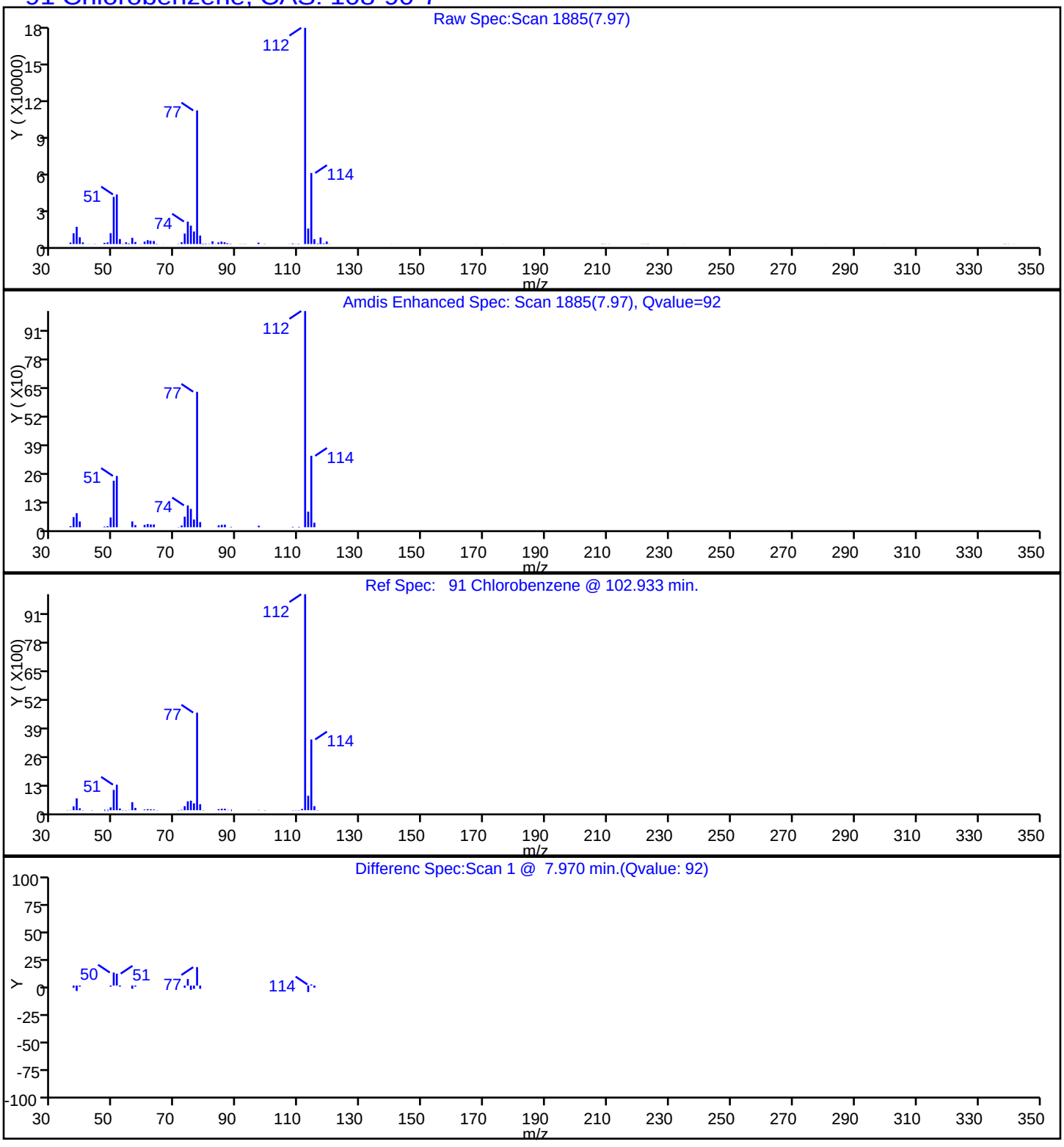
Report Date: 07-Oct-2016 22:02:31 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15979.D

Injection Date:	07-Oct-2016 21:21:30	Instrument ID:	CVOAMS12		
Lims ID:	460-121166-B-6	Lab Sample ID:	460-121166-6		
Client ID:	MW-24				
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

91 Chlorobenzene, CAS: 108-90-7



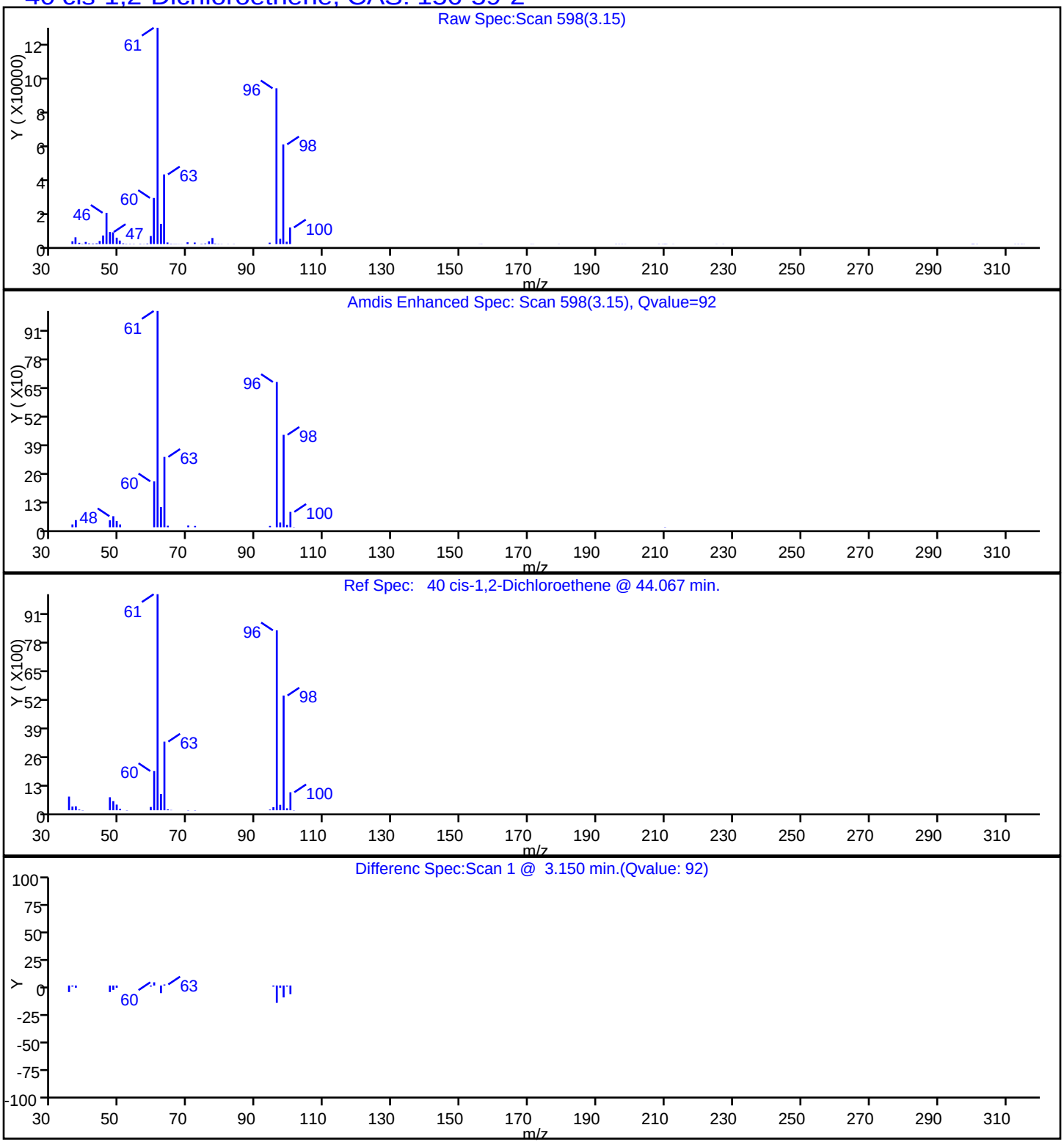
Report Date: 07-Oct-2016 22:02:31 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15979.D

Injection Date:	07-Oct-2016 21:21:30	Instrument ID:	CVOAMS12		
Lims ID:	460-121166-B-6	Lab Sample ID:	460-121166-6		
Client ID:	MW-24				
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

40 cis-1,2-Dichloroethene, CAS: 156-59-2



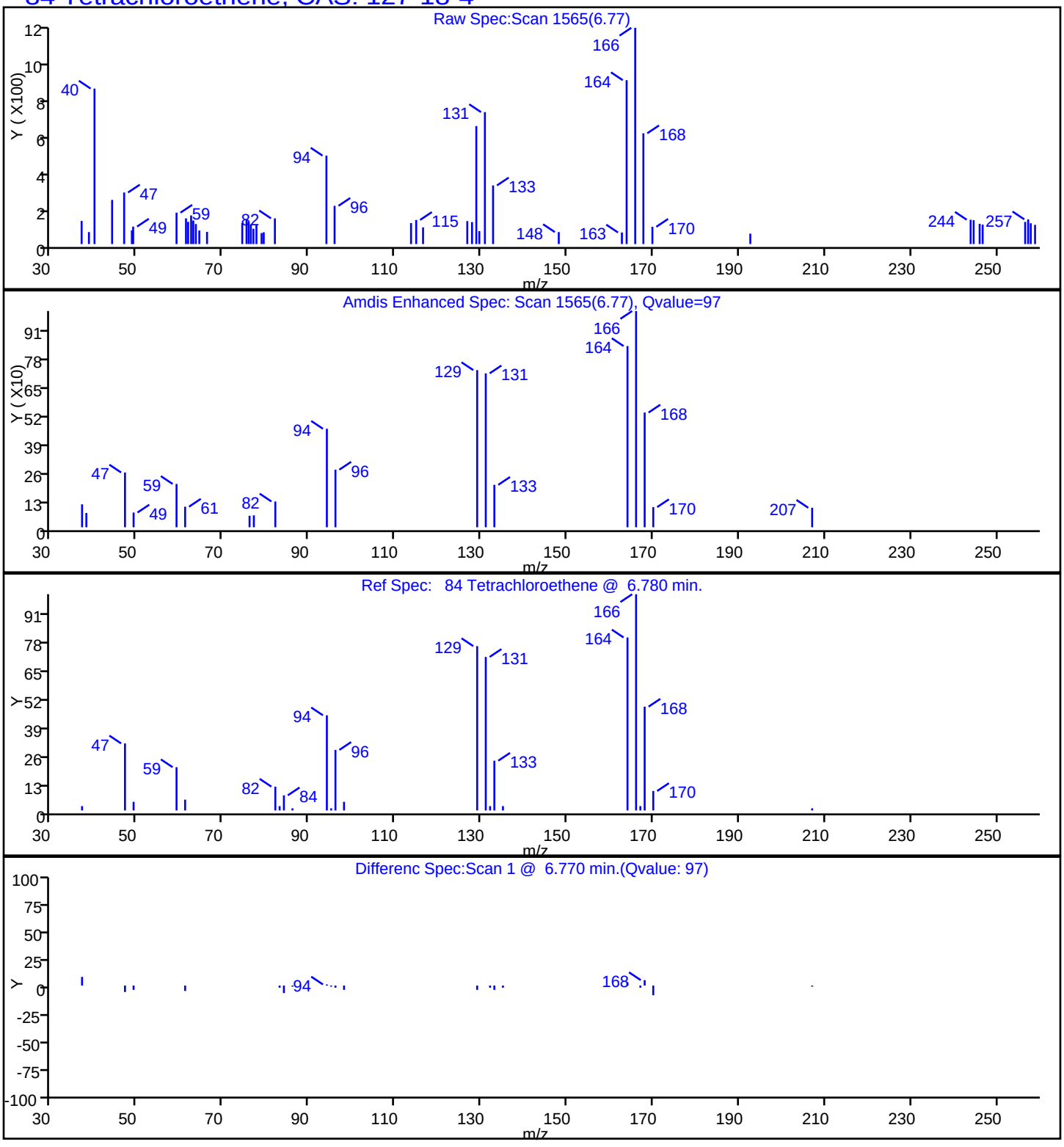
Report Date: 07-Oct-2016 22:02:31 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15979.D

Injection Date:	07-Oct-2016 21:21:30	Instrument ID:	CVOAMS12
Lims ID:	460-121166-B-6	Lab Sample ID:	460-121166-6
Client ID:	MW-24		
Operator ID:		ALS Bottle#:	9 Worklist Smp#: 10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

84 Tetrachloroethene, CAS: 127-18-4



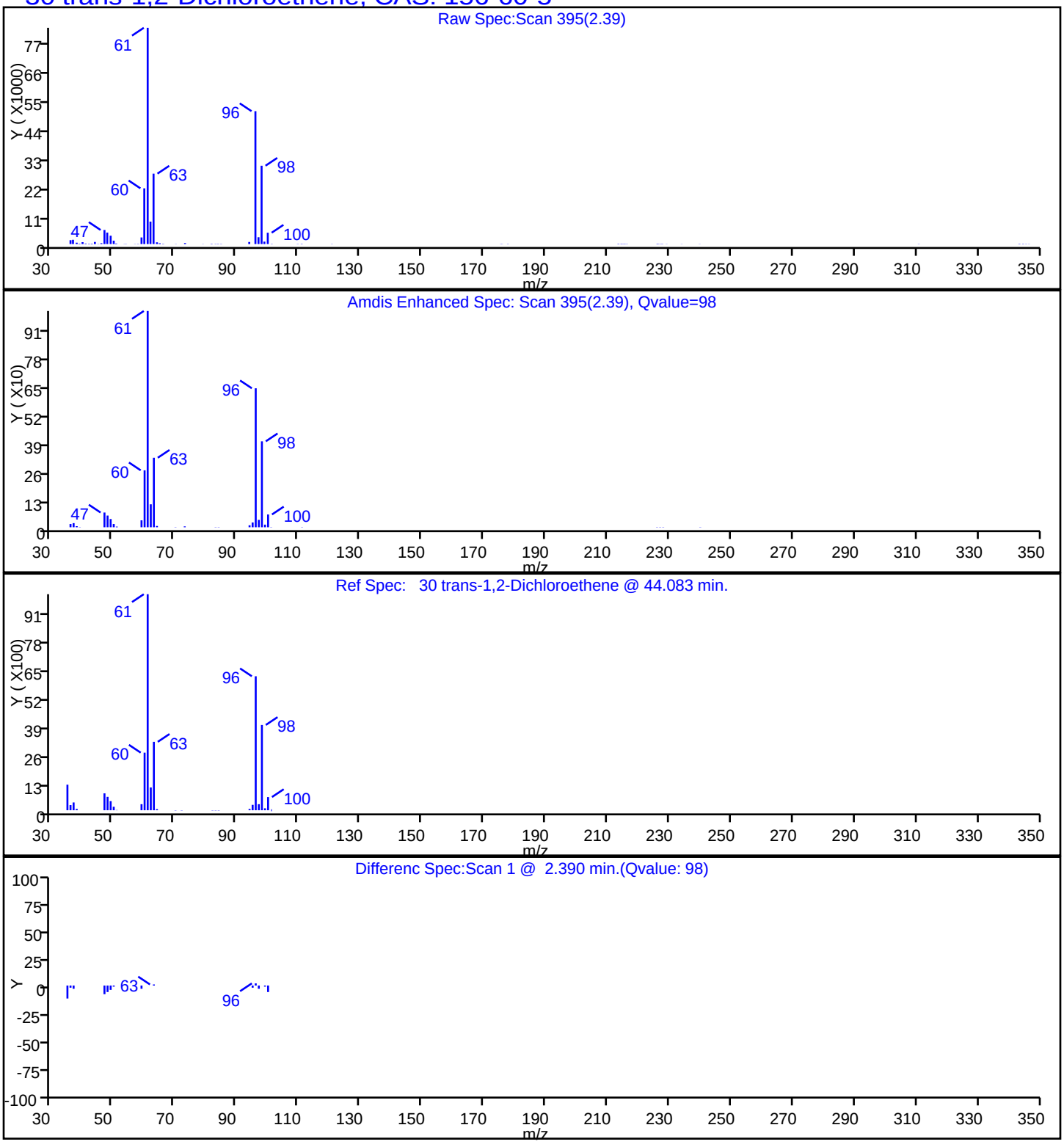
Report Date: 07-Oct-2016 22:02:31 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15979.D

Injection Date:	07-Oct-2016 21:21:30	Instrument ID:	CVOAMS12		
Lims ID:	460-121166-B-6	Lab Sample ID:	460-121166-6		
Client ID:	MW-24				
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

30 trans-1,2-Dichloroethene, CAS: 156-60-5



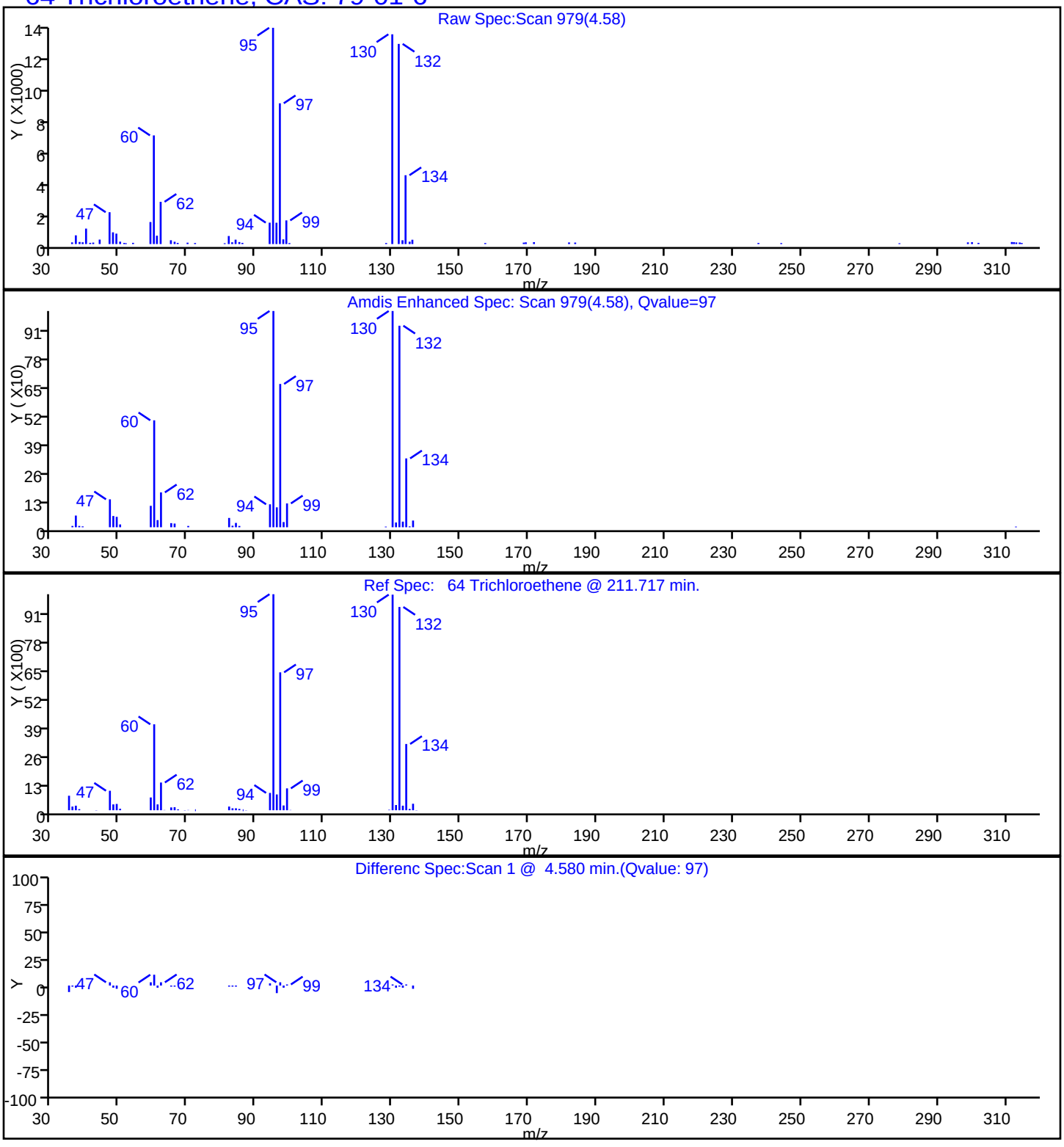
Report Date: 07-Oct-2016 22:02:31 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15979.D

Injection Date:	07-Oct-2016 21:21:30	Instrument ID:	CVOAMS12		
Lims ID:	460-121166-B-6	Lab Sample ID:	460-121166-6		
Client ID:	MW-24				
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

64 Trichloroethene, CAS: 79-01-6



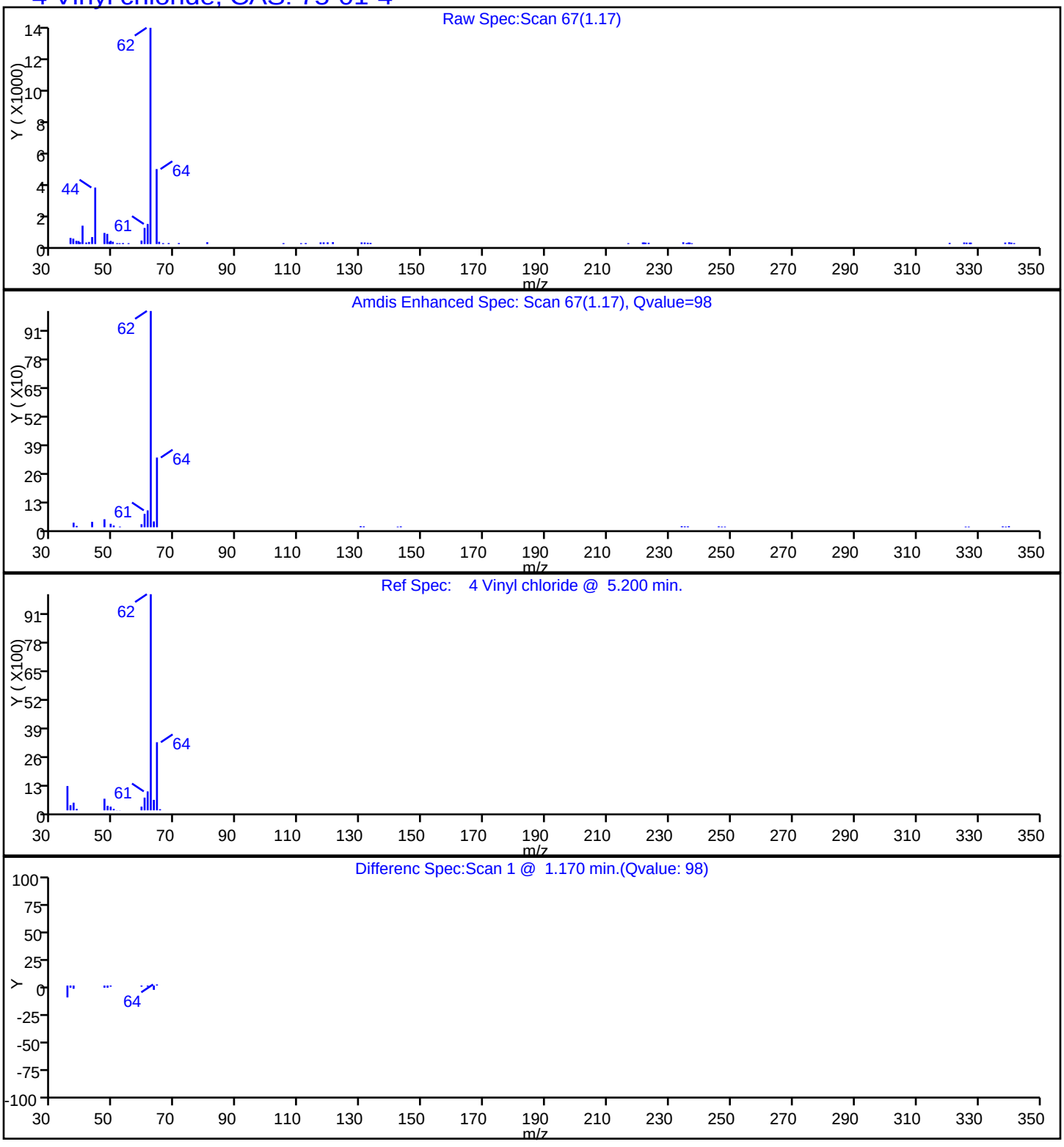
Report Date: 07-Oct-2016 22:02:31 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15979.D

Injection Date:	07-Oct-2016 21:21:30	Instrument ID:	CVOAMS12		
Lims ID:	460-121166-B-6	Lab Sample ID:	460-121166-6		
Client ID:	MW-24				
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

4 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: MW-71 | Lab Sample ID: 460-121166-7

Matrix: Water | Lab File ID: O15980.D

Analysis Method: 8260C | Date Collected: 09/27/2016 11:50

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 21:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395751 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	2.5		1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	MIBK	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	4.3		1.0	0.090
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U *	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	64		1.0	0.24
75-00-3	Chloroethane	0.37	U *	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
124-48-1	Dibromochloromethane	0.22	U	1.0	0.22
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-01-4	Vinyl chloride	0.060	U	1.0	0.060
1330-20-7	Xylenes, Total	0.28	U	2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Client Sample ID: MW-71 Lab Sample ID: 460-121166-7

Matrix: Water Lab File ID: O15980.D

Analysis Method: 8260C Date Collected: 09/27/2016 11:50

Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 21:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 395751 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		74-132
460-00-4	Bromofluorobenzene	100		77-124
1868-53-7	Dibromofluoromethane (Surr)	98		72-131
2037-26-5	Toluene-d8 (Surr)	101		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: MW-71 | Lab Sample ID: 460-121166-7

Matrix: Water | Lab File ID: O15980.D

Analysis Method: 8260C | Date Collected: 09/27/2016 11:50

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 21:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395751 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 19

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
60-29-7	Ethyl ether	1.75	19	J N	90%

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15980.D
Lims ID: 460-121166-B-7
Client ID: MW-71
Sample Type: Client
Inject. Date: 07-Oct-2016 21:48:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-121166-B-7
Misc. Info.: 460-0046589-011
Operator ID: Instrument ID: CVOAMS12

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Oct-2016 22:36:09 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: starzecm Date: 07-Oct-2016 22:36:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	2.232	2.232	0.000	99	305648	1000.0	
33 1,1-Dichloroethane	63	2.692	2.692	0.000	99	15383	2.52	
* 38 2-Butanone-d5	46	3.119	3.123	-0.004	30	394404	250.0	
$ 49 Dibromofluoromethane (Surr	113	3.568	3.568	0.000	97	136890	49.2	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.871	3.875	-0.004	97	181695	47.7	
56 Benzene	78	3.931	3.931	0.000	96	53541	4.31	
* 61 Fluorobenzene	96	4.204	4.204	0.000	99	574716	50.0	
* 68 1,4-Dioxane-d8	96	4.926	4.923	0.003	95	36935	1000.0	
$ 79 Toluene-d8 (Surr)	98	5.985	5.985	0.000	99	500694	50.3	
* 90 Chlorobenzene-d5	117	7.931	7.931	0.000	88	405510	50.0	
91 Chlorobenzene	112	7.972	7.969	0.003	95	470009	63.8	
$ 101 4-Bromofluorobenzene	174	9.765	9.769	-0.004	91	158685	50.0	
* 116 1,4-Dichlorobenzene-d4	152	11.599	11.599	0.000	96	198809	50.0	

Reagents:

8260ISNEW_00090 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00139 Amount Added: 1.00 Units: uL Run Reagent

TestAmerica Edison
Tentatively Identified Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15980.D				
Lims ID:	460-121166-B-7				
Client ID:	MW-71				
Sample Type:	Client				
Inject. Date:	07-Oct-2016 21:48:30	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-121166-B-7				
Misc. Info.:	460-0046589-011				
Operator ID:		Instrument ID:	CVOAMS12		
Method:	\\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\8260W_12.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	07-Oct-2016 22:36:09	Calib Date:	30-Sep-2016 19:03:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\ChromNA\Edison\Database\NIST02.L				
Min. Match:	80				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	XAWRK009				
First Level Reviewer: starzecm		Date:	07-Oct-2016 22:36:09		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
60-29-7 Ethyl ether								
1.745	459587	18.6	61	90	826	C4H10O	74	

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 61 Fluorobenzene	4.200	1236548	50.0

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00090	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00139	Amount Added:	1.00	Units: uL	Run Reagent

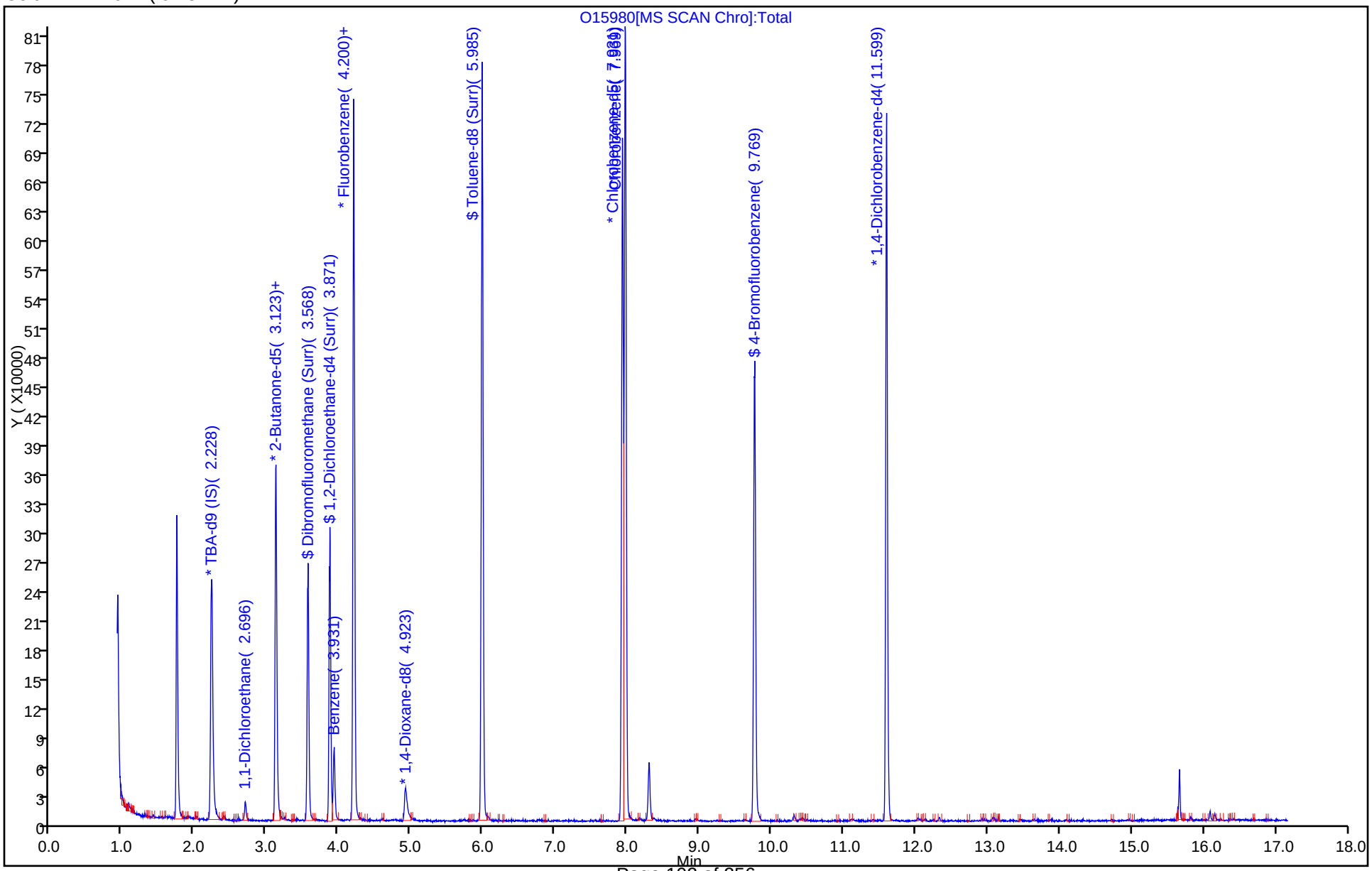
Report Date: 07-Oct-2016 22:36:10 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15980.D

Injection Date:	07-Oct-2016 21:48:30	Instrument ID:	CVOAMS12	Operator ID:	
Lims ID:	460-121166-B-7	Lab Sample ID:	460-121166-7	Worklist Smp#:	11
Client ID:	MW-71				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



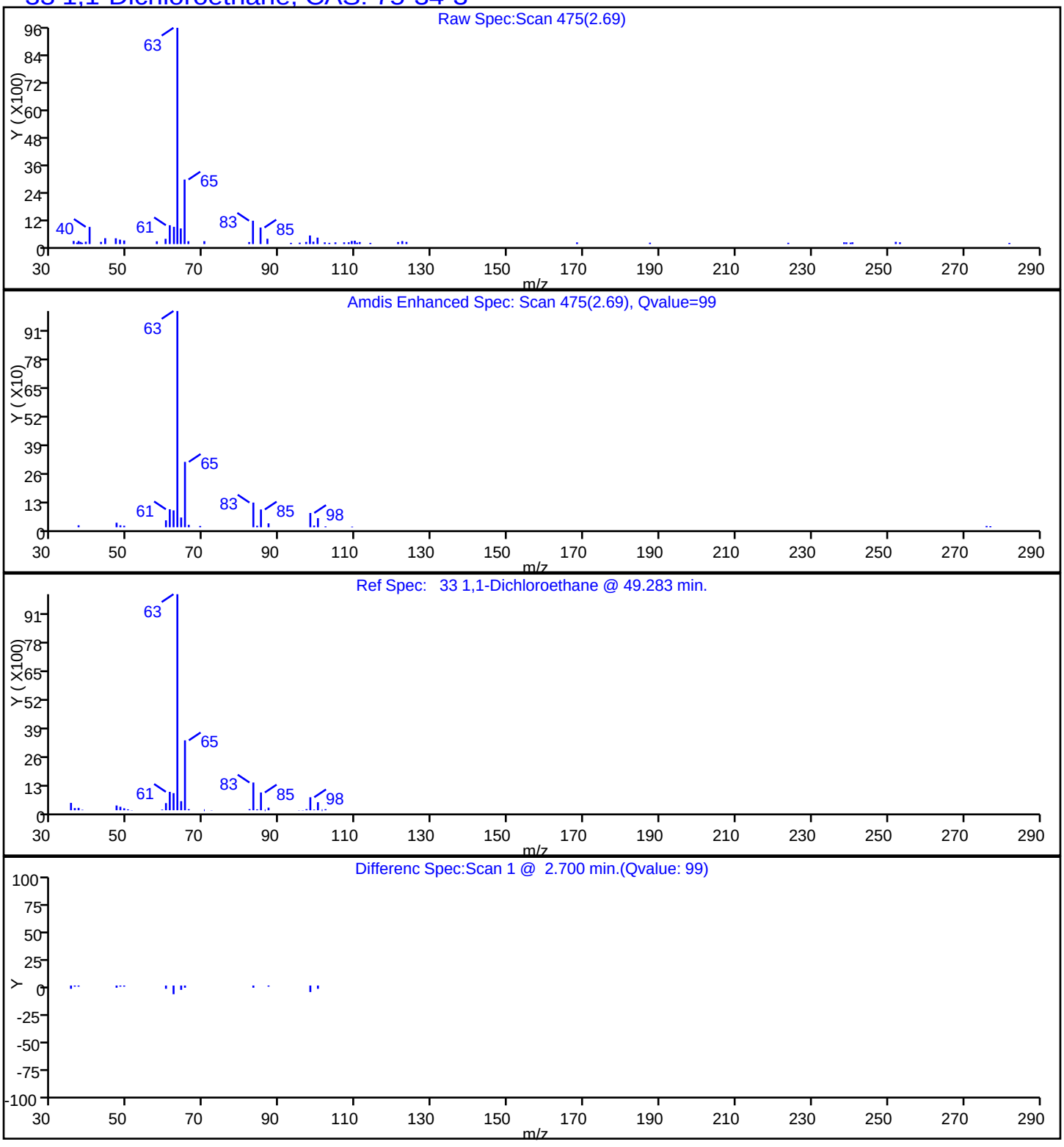
Report Date: 07-Oct-2016 22:36:10 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15980.D

Injection Date:	07-Oct-2016 21:48:30	Instrument ID:	CVOAMS12		
Lims ID:	460-121166-B-7	Lab Sample ID:	460-121166-7		
Client ID:	MW-71				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

33 1,1-Dichloroethane, CAS: 75-34-3



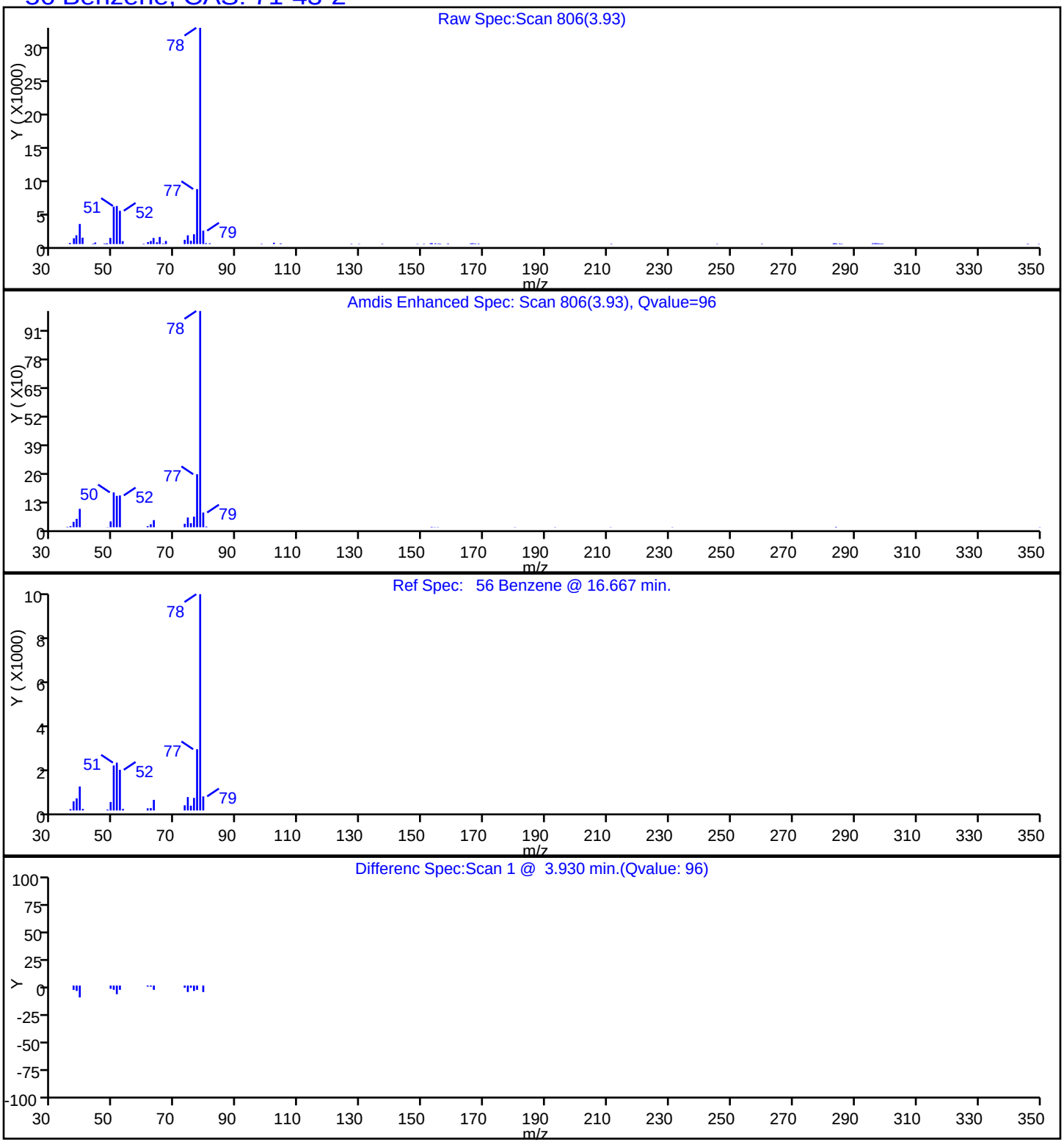
Report Date: 07-Oct-2016 22:36:10 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15980.D

Injection Date:	07-Oct-2016 21:48:30	Instrument ID:	CVOAMS12
Lims ID:	460-121166-B-7	Lab Sample ID:	460-121166-7
Client ID:	MW-71		
Operator ID:		ALS Bottle#:	10 Worklist Smp#: 11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

56 Benzene, CAS: 71-43-2



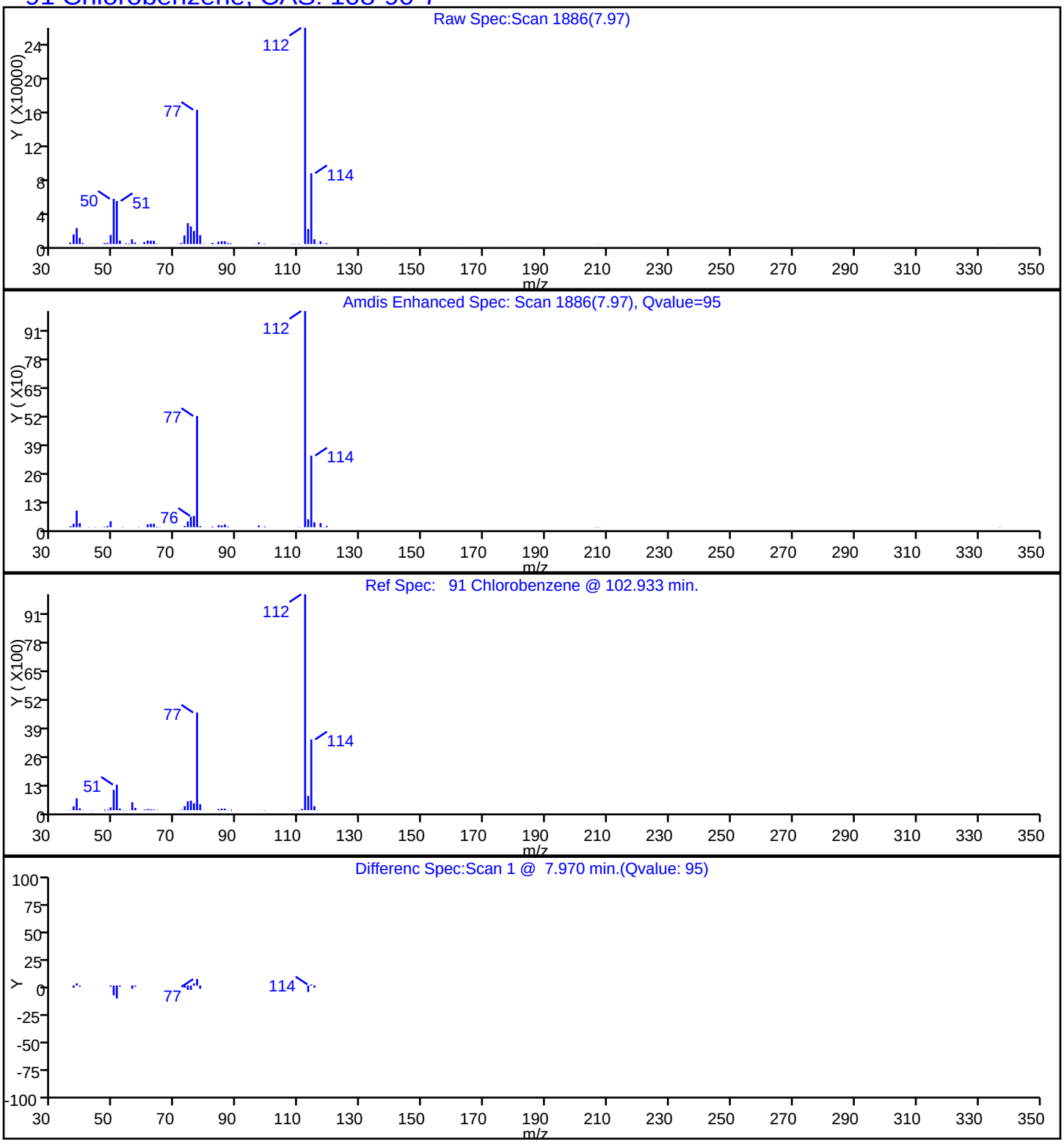
Report Date: 07-Oct-2016 22:36:10 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15980.D

Injection Date:	07-Oct-2016 21:48:30	Instrument ID:	CVOAMS12		
Lims ID:	460-121166-B-7	Lab Sample ID:	460-121166-7		
Client ID:	MW-71				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

91 Chlorobenzene, CAS: 108-90-7



Report Date: 07-Oct-2016 22:36:10 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15980.D

Injection Date: 07-Oct-2016 21:48:30 Instrument ID: CVOAMS12

Lims ID: 460-121166-B-7 Lab Sample ID: 460-121166-7

Client ID: MW-71

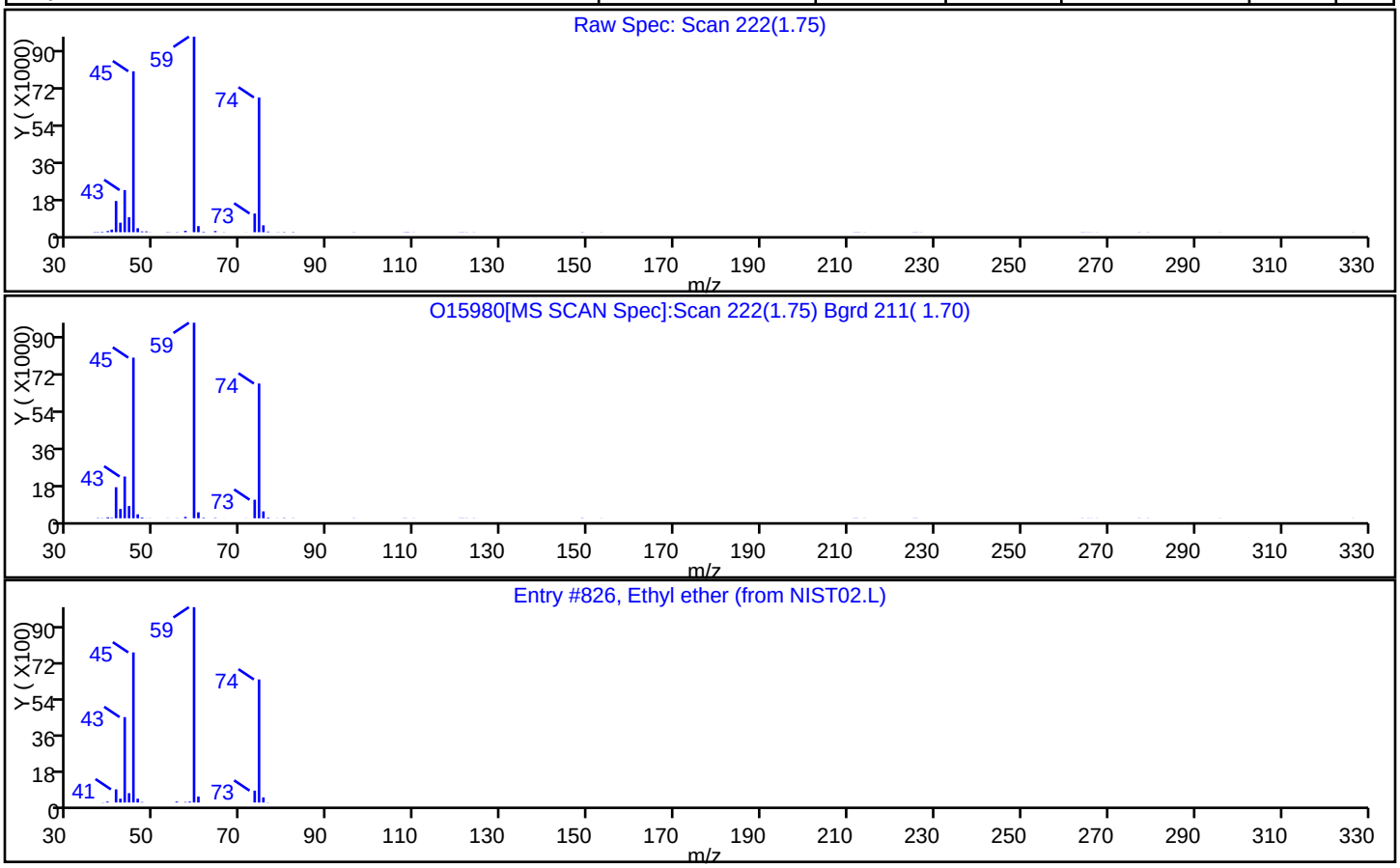
Operator ID: ALS Bottle#: 10 Worklist Smp#: 11

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Ethyl ether	60-29-7	NIST02.L	826	C4H10O	74	90



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-121166-1 Analy Batch No.: 394051

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2016 16:16 Calibration End Date: 09/30/2016 19:03 Calibration ID: 58136

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-394051/2	O15606.D
Level 2	STD1 460-394051/3	O15607.D
Level 3	STD5 460-394051/4	O15608.D
Level 4	STD20 460-394051/5	O15609.D
Level 5	STD50 460-394051/6	O15610.D
Level 6	STD200 460-394051/7	O15611.D
Level 7	STD500 460-394051/8	O15612.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	+++++ 0.0353	0.0489 0.0374	0.0396	0.0372	0.0418	Ave		0.0400				12.2		20.0			
Dichlorodifluoromethane	+++++ 0.3200	0.4120 0.3339	0.3893	0.4080	0.3872	Ave		0.3751			0.1000	10.3		20.0			
Chloromethane	+++++ 0.3142	0.3307 0.3526	0.3995	0.3834	0.3997	Ave		0.3633			0.1000	10.0		20.0			
Vinyl chloride	+++++ 0.3047	0.3872 0.3212	0.3887	0.3877	0.3888	Ave		0.3630			0.1000	10.8		20.0			
Butadiene	+++++ 0.2759	0.3528 0.2836	0.3557	0.3524	0.3335	Ave		0.3256				11.2		20.0			
Bromomethane	+++++ 0.4225	0.4612 +++++	0.4494	0.2910	0.3277	Ave		0.3903			0.1000	19.6		20.0			
Chloroethane	+++++ 0.1164	0.1537 0.1212	0.1726	0.1386	0.1431	Ave		0.1409			0.1000	14.8		20.0			
Dichlorofluoromethane	+++++ 0.4507	0.6168 0.4564	0.5904	0.5533	0.5640	Ave		0.5386				12.9		20.0			
Trichlorofluoromethane	+++++ 0.2966	0.3784 0.3280	0.4038	0.3938	0.3975	Ave		0.3663			0.1000	12.0		20.0			
Pentane	+++++ 0.0339	0.0426 0.0324	0.0422	0.0434	0.0417	Ave		0.0394				12.3		20.0			
Ethanol	+++++ 0.0600	0.0940 0.0561	0.0750	0.0708	0.0679	Ave		0.0706				19.0		20.0			
Ethyl ether	+++++ 0.2507	0.3024 0.2318	0.3105	0.2908	0.2900	Ave		0.2794				11.1		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.1809	0.2148 0.1582	0.2184	0.2157	0.2184	Ave		0.2011				12.7		20.0			
2-Methyl-1,3-butadiene	+++++ 0.2271	0.2789 0.2058	0.2763	0.2738	0.2716	Ave		0.2556				12.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-121166-1 Analy Batch No.: 394051

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2016 16:16 Calibration End Date: 09/30/2016 19:03 Calibration ID: 58136

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acrolein	+++++ 1.4170	1.8729 1.3636	1.4654	1.4575	1.3616	Ave		1.4897				12.9		20.0			
1,1-Dichloroethene	+++++ 0.2062	0.2550 0.1915	0.2384	0.2311	0.2400	Ave		0.2270			0.1000	10.4		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.1820	0.2252 0.1643	0.2188	0.2101	0.2163	Ave		0.2028			0.1000	11.9		20.0			
Acetone	+++++ 0.2426	0.3621 0.2196	0.2915	0.2757	0.2364	Ave		0.2713			0.0500	19.1		20.0			
Iodomethane	+++++ 0.2289	0.1067 0.2036	0.1212	0.1602	0.2235	QuaF		0.2412	-0.000075						1.0000		0.9900
Carbon disulfide	+++++ 0.6879	0.7564 0.6254	0.7141	0.7191	0.7691	Ave		0.7120			0.1000	7.3		20.0			
Isopropyl alcohol	+++++ 0.6880	1.0196 0.6449	0.8749	0.8094	0.7458	Ave		0.7971				17.1		20.0			
Acetonitrile	+++++ 2.7208	4.1680 2.3227	3.3895	3.2511	3.1833	Ave		3.1726				19.8		20.0			
Allyl chloride	+++++ 0.1589	0.1562 0.1537	0.1725	0.1659	0.1592	Ave		0.1611				4.3		20.0			
Methyl acetate	+++++ 1.4983	2.0076 1.4482	1.9722	1.7811	1.5556	Ave		1.7105			0.1000	14.3		20.0			
Cyclopentene	+++++ 0.5832	0.7246 0.5165	0.6783	0.7045	0.6761	Ave		0.6472				12.4		20.0			
Methylene Chloride	+++++ 0.2541	0.3108 0.2464	0.3057	0.3057	0.2976	Ave		0.2867			0.1000	10.0		20.0			
2-Methyl-2-propanol	+++++ 1.1046	2.0333 1.0743	1.3429	1.2867	1.1222	Qua2	8.6213	1.1735	-0.000023						0.9980		0.9900
Acrylonitrile	0.1075 0.1214	0.1311 0.1076	0.1455	0.1401	0.1277	Ave		0.1258				11.7		20.0			
trans-1,2-Dichloroethene	+++++ 0.2459	0.2975 0.2091	0.3086	0.2955	0.3034	Ave		0.2767			0.1000	14.5		20.0			
Methyl tert-butyl ether	+++++ 0.8982	1.0208 0.7962	1.0310	1.0393	1.0404	Ave		0.9710			0.1000	10.4		20.0			
Hexane	+++++ 0.2240	0.2837 0.2053	0.2602	0.2691	0.2696	Ave		0.2520				12.1		20.0			
1,1-Dichloroethane	+++++ 0.4822	0.5134 0.4726	0.5990	0.5498	0.5698	Ave		0.5311			0.2000	9.4		20.0			
Vinyl acetate	+++++ 0.0525	0.0471 0.0516	0.0599	0.0603	0.0586	Ave		0.0550				9.8		20.0			
Isopropyl ether	+++++ 0.9357	1.0207 0.8689	1.0864	1.1642	1.1755	Ave		1.0419				11.9		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-121166-1 Analy Batch No.: 394051

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2016 16:16 Calibration End Date: 09/30/2016 19:03 Calibration ID: 58136

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Chloro-1,3-butadiene	+++++ 0.2281	0.2647 0.2056	0.2718	0.2813	0.2883	Ave		0.2566				12.7		20.0			
Tert-butyl ethyl ether	+++++ 0.9100	0.9617 0.8483	1.0478	1.1084	1.1178	Ave		0.9990				11.0		20.0			
cis-1,2-Dichloroethene	+++++ 0.2732	0.3416 0.2435	0.3518	0.3433	0.3251	Ave		0.3131			0.1000	14.1		20.0			
2,2-Dichloropropane	+++++ 0.0832	0.1049 0.0762	0.0998	0.0971	0.0970	Ave		0.0930				11.8		20.0			
2-Butanone	+++++ 0.2759	0.3396 0.2428	0.3078	0.3108	0.2868	Ave		0.2940			0.0500	11.3		20.0			
Propionitrile	+++++ 1.3417	1.7417 1.3815	1.7498	1.7058	1.6021	Ave		1.5871				11.5		20.0			
Ethyl acetate	+++++ 0.2354	0.2519 0.2223	0.2514	0.2347	0.2428	Ave		0.2397				4.7		20.0			
Methyl acrylate	+++++ 0.3196	0.2857 0.3687	0.3380	0.3525	0.3581	Ave		0.3371				9.0		20.0			
Chlorobromomethane	+++++ 0.1210	0.1555 0.1036	0.1659	0.1608	0.1555	Ave		0.1437				17.6		20.0			
Methacrylonitrile	+++++ 0.1199	0.1381 0.1058	0.1455	0.1519	0.1472	Ave		0.1347				13.4		20.0			
Tetrahydrofuran	+++++ 0.7289	0.9767 0.8250	0.9215	0.8388	0.7115	Ave		0.8337				12.5		20.0			
Chloroform	+++++ 0.4439	0.5034 0.4182	0.5332	0.5230	0.5000	Ave		0.4870			0.2000	9.4		20.0			
1,1,1-Trichloroethane	+++++ 0.3640	0.3747 0.3523	0.4148	0.3987	0.4133	Ave		0.3863			0.1000	6.8		20.0			
Cyclohexane	+++++ 0.3264	0.4289 0.3279	0.3911	0.4092	0.3867	Ave		0.3784			0.1000	11.2		20.0			
1,1-Dichloropropene	+++++ 0.3205	0.3922 0.3005	0.3916	0.3656	0.3653	Ave		0.3559				10.6		20.0			
Carbon tetrachloride	+++++ 0.2809	0.2716 0.2842	0.2505	0.2796	0.3071	Ave		0.2790			0.1000	6.6		20.0			
Isobutyl alcohol	+++++ 0.4654	0.5349 0.4686	0.4895	0.4965	0.4689	Ave		0.4873				5.5		20.0			
Benzene	+++++ 1.3778	1.8011 1.1956	1.7472	1.5960	1.4729	Ave		1.5318			0.5000	15.0		20.0			
1,2-Dichloroethane	+++++ 0.3976	0.4918 0.3564	0.4790	0.4676	0.4466	Ave		0.4398			0.1000	11.9		20.0			
2,2,4-Trimethylpentane	+++++ 0.3843	0.4896 0.3831	0.4429	0.4487	0.4369	Ave		0.4309				9.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-121166-1 Analy Batch No.: 394051

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2016 16:16 Calibration End Date: 09/30/2016 19:03 Calibration ID: 58136

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isopropyl acetate	+++++ 1.0186	1.0117 0.9495	1.0340	1.0603	1.1160	Ave		1.0317				5.4		20.0			
Tert-amyl methyl ether	+++++ 0.8129	0.7749 0.7543	0.8724	0.9034	0.8873	Ave		0.8342				7.5		20.0			
n-Heptane	+++++ 0.1627	0.2428 0.1591	0.1928	0.1890	0.1893	Ave		0.1893				15.8		20.0			
n-Butanol	+++++ 0.2839	0.2792 0.2822	0.2679	0.2675	0.2926	Ave		0.2789				3.5		20.0			
Trichloroethene	+++++ 0.2429	0.2790 0.2201	0.2883	0.2875	0.2839	Ave		0.2669			0.2000	10.7		20.0			
Ethyl acrylate	+++++ 0.4052	0.3257 0.3893	0.3841	0.3879	0.4241	Ave		0.3861				8.6		20.0			
Methylcyclohexane	+++++ 0.2335	0.2660 0.2188	0.2643	0.2677	0.2791	Ave		0.2549			0.1000	9.2		20.0			
1,2-Dichloropropane	+++++ 0.2591	0.3309 0.2439	0.2973	0.2992	0.2920	Ave		0.2871			0.1000	10.8		20.0			
Dibromomethane	+++++ 0.1555	0.1710 0.1540	0.1892	0.1818	0.1810	Ave		0.1721				8.5		20.0			
1,4-Dioxane	+++++ 1.0862	1.2162 0.9333	1.2946	1.2742	1.1713	Ave		1.1626				11.6		20.0			
Methyl methacrylate	+++++ 0.0824	0.0776 0.0777	0.0853	0.0885	0.0876	Ave		0.0832				5.7		20.0			
n-Propyl acetate	+++++ 0.4668	0.4367 0.4335	0.4531	0.4663	0.4845	Ave		0.4568				4.3		20.0			
Bromodichloromethane	+++++ 0.3179	0.2939 0.3270	0.3175	0.3428	0.3368	Ave		0.3226			0.2000	5.4		20.0			
2-Nitropropane	+++++ 0.0876	0.0660 0.0935	0.0681	0.0762	0.0861	Ave		0.0796				14.1		20.0			
2-Chloroethyl vinyl ether	+++++ 0.1480	0.1204 0.1552	0.1614	0.1541	0.1485	Ave		0.1479				9.7		20.0			
Epichlorohydrin	0.2277 0.2032	0.2398 0.2006	0.2472	0.2302	0.2064	Ave		0.2222				8.4		20.0			
cis-1,3-Dichloropropene	+++++ 0.5708	0.5688 0.5428	0.6228	0.6159	0.5986	Ave		0.5866			0.2000	5.3		20.0			
MIBK	+++++ 1.8507	2.1623 1.6897	2.1603	2.0524	1.8397	Ave		1.9592			0.0500	9.9		20.0			
Toluene	+++++ 1.3430	1.5495 1.1499	1.6145	1.4746	1.4340	Ave		1.4276			0.4000	11.6		20.0			
trans-1,3-Dichloropropene	+++++ 0.5509	0.4648 0.4492	0.5174	0.5489	0.5448	Ave		0.5126			0.1000	8.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-121166-1 Analy Batch No.: 394051

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2016 16:16 Calibration End Date: 09/30/2016 19:03 Calibration ID: 58136

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl methacrylate	+++++ 0.4729	0.4729 0.4274	0.4995	0.5068	0.4772	Ave		0.4761				5.9		20.0			
1,1,2-Trichloroethane	+++++ 0.2527	0.2672 0.2361	0.3002	0.2960	0.2742	Ave		0.2711			0.1000	9.1		20.0			
Tetrachloroethene	+++++ 0.3197	0.3342 0.2802	0.3681	0.3374	0.3353	Ave		0.3292			0.2000	8.7		20.0			
1,3-Dichloropropane	+++++ 0.5299	0.6103 0.5092	0.6455	0.6107	0.5826	Ave		0.5814				9.0		20.0			
2-Hexanone	+++++ 1.3329	1.4898 1.2173	1.5785	1.5177	1.3095	Ave		1.4076			0.0500	10.0		20.0			
Dibromochloromethane	+++++ 0.3356	0.2402 0.3216	0.2825	0.3088	0.3128	Ave		0.3002			0.1000	11.4		20.0			
n-Butyl acetate	+++++ 0.6295	0.6475 0.5415	0.6848	0.6476	0.6274	Ave		0.6297				7.6		20.0			
Ethylene Dibromide	+++++ 0.3228	0.3406 0.2949	0.3631	0.3469	0.3452	Ave		0.3356			0.1000	7.1		20.0			
Chlorobenzene	+++++ 0.8109	1.0271 0.7680	1.0028	0.9468	0.8903	Ave		0.9077			0.5000	11.5		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3112	0.2689 0.2978	0.2767	0.3057	0.3033	Ave		0.2939				5.8		20.0			
Ethylbenzene	+++++ 0.4197	0.5394 0.3966	0.5163	0.4840	0.4564	Ave		0.4688			0.1000	11.8		20.0			
m-Xylene & p-Xylene	+++++ 0.5280	0.6092 0.4685	0.6302	0.5922	0.5571	Ave		0.5642			0.1000	10.5		20.0			
o-Xylene	+++++ 0.5345	0.5667 0.4603	0.6282	0.5937	0.5852	Ave		0.5614			0.3000	10.4		20.0			
Styrene	+++++ 0.9289	0.7745 0.7955	0.9885	0.9979	0.9865	Ave		0.9120			0.3000	11.1		20.0			
n-Butyl acrylate	+++++ 0.2770	0.2002 0.2730	0.2598	0.2623	0.2571	Ave		0.2549				10.9		20.0			
Bromoform	+++++ 0.2272	0.1616 0.2230	0.1648	0.1792	0.1986	Ave		0.1924			0.1000	14.8		20.0			
Amyl acetate (mixed isomers)	+++++ 1.3087	1.1735 1.3126	1.3417	1.3693	1.3770	Ave		1.3138				5.7		20.0			
Isopropylbenzene	+++++ 1.1581	1.3981 1.0131	1.4145	1.3512	1.2834	Ave		1.2697			0.1000	12.3		20.0			
Bromobenzene	+++++ 0.6995	0.8453 0.6735	0.8766	0.8373	0.7742	Ave		0.7844				10.6		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.7587	0.7850 0.7252	0.8458	0.8600	0.7972	Ave		0.7953			0.3000	6.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-121166-1 Analy Batch No.: 394051

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2016 16:16 Calibration End Date: 09/30/2016 19:03 Calibration ID: 58136

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichloropropane	+++++ 0.2197	0.2811 0.2326	0.2790	0.2714	0.2505	Ave		0.2557				10.0		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2635	0.2340 0.2742	0.2567	0.2668	0.2618	Ave		0.2595				5.3		20.0			
N-Propylbenzene	+++++ 2.4350	2.4826 2.2999	2.6640	2.8014	2.6684	Ave		2.5586				7.2		20.0			
2-Chlorotoluene	+++++ 1.7271	2.2901 1.5881	2.2650	2.0739	2.0031	Ave		1.9912				14.3		20.0			
4-Ethyltoluene	+++++ 2.1145	2.3058 2.0083	2.3808	2.3693	2.3621	Ave		2.2568				7.0		20.0			
4-Chlorotoluene	+++++ 1.7904	2.0724 1.7615	2.3107	2.0345	2.0162	Ave		1.9976				10.1		20.0			
1,3,5-Trimethylbenzene	+++++ 1.7586	2.0163 1.6254	2.2354	2.0446	1.9021	Ave		1.9304				11.3		20.0			
Butyl Methacrylate	+++++ 0.8047	0.7325 0.7917	0.8110	0.8033	0.7859	Ave		0.7882				3.6		20.0			
tert-Butylbenzene	+++++ 1.3429	1.3281 1.2758	1.4339	1.4783	1.4404	Ave		1.3833				5.7		20.0			
1,2,4-Trimethylbenzene	+++++ 1.8008	2.2514 1.7106	2.3268	2.1795	2.0769	Ave		2.0577				12.1		20.0			
sec-Butylbenzene	+++++ 1.6593	1.6724 1.6518	1.7334	1.8183	1.9140	Ave		1.7415				6.0		20.0			
1,3-Dichlorobenzene	+++++ 1.2027	1.4311 1.1026	1.4587	1.3774	1.2494	Ave		1.3036			0.6000	10.8		20.0			
1,4-Dichlorobenzene	+++++ 1.1774	1.4838 1.0326	1.3843	1.3579	1.3512	Ave		1.2979			0.5000	12.6		20.0			
4-Isopropyltoluene	+++++ 1.5515	1.7846 1.3668	1.6680	1.5956	1.5122	Ave		1.5798				9.0		20.0			
Benzyl chloride	+++++ 0.2996	0.1560 0.3059	0.2033	0.2530	0.2809	Qua2	-0.109	0.2581	0.0001144						0.9940		0.9900
Indan	+++++ 2.1601	2.3866 1.8382	2.5145	2.4828	2.4333	Ave		2.3026				11.3		20.0			
1,2-Dichlorobenzene	+++++ 1.2130	1.2894 1.0534	1.3842	1.3818	1.3236	Ave		1.2742			0.4000	9.9		20.0			
p-Diethylbenzene	+++++ 0.8551	1.0967 0.8207	1.0659	0.9769	0.9429	Ave		0.9597				11.5		20.0			
n-Butylbenzene	+++++ 1.5067	2.1036 1.3908	1.8778	1.7269	1.6145	Ave		1.7034				15.2		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1800	0.1422 0.1672	0.1586	0.1600	0.1680	Ave		0.1627			0.0500	7.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-121166-1 Analy Batch No.: 394051

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2016 16:16 Calibration End Date: 09/30/2016 19:03 Calibration ID: 58136

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4,5-Tetramethylbenzene	+++++ 1.5720	2.0859 1.3428	2.1315	2.0321	1.8148	Ave		1.8298				17.3		20.0			
1,3,5-Trichlorobenzene	+++++ 0.6552	0.8877 0.5730	0.8998	0.7499	0.8074	Ave		0.7622				17.0		20.0			
1,2,4-Trichlorobenzene	+++++ 0.7037	1.0083 0.5774	0.9346	0.8663	0.7637	Ave		0.8090			0.2000	19.6		20.0			
Hexachlorobutadiene	+++++ 0.2299	0.2618 0.2224	0.2470	0.2461	0.2276	Ave		0.2391				6.3		20.0			
Naphthalene	+++++ 1.9914	2.6694 1.6774	2.8198	2.3947	2.3296	Ave		2.3137				18.3		20.0			
1,2,3-Trichlorobenzene	+++++ 0.6507	0.9342 0.5673	0.8812	0.8125	0.7753	Ave		0.7702				18.0		20.0			
Dibromofluoromethane (Surr)	0.2339 0.2401	0.2285 0.2365	0.2356	0.2544	0.2661	Ave		0.2422				5.5		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3186 0.3235	0.3211 0.3258	0.3336	0.3312	0.3640	Ave		0.3311				4.7		20.0			
Toluene-d8 (Surr)	1.2415 1.2580	1.2176 1.1845	1.1865	1.2491	1.2516	Ave		1.2270				2.5		20.0			
Bromofluorobenzene	0.3871 0.3927	0.3983 0.3585	0.3986	0.3893	0.4125	Ave		0.3910				4.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-121166-1 Analy Batch No.: 394051

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2016 16:16 Calibration End Date: 09/30/2016 19:03 Calibration ID: 58136

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-394051/2	O15606.D
Level 2	STD1 460-394051/3	O15607.D
Level 3	STD5 460-394051/4	O15608.D
Level 4	STD20 460-394051/5	O15609.D
Level 5	STD50 460-394051/6	O15610.D
Level 6	STD200 460-394051/7	O15611.D
Level 7	STD500 460-394051/8	O15612.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Ave	+++++ 76089	508 203904	2036	7395	20044	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorodifluoromethane	FB	Ave	+++++ 690443	4278 1818291	20005	81164	185820	+++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	FB	Ave	+++++ 677911	3434 1919875	20531	76266	191793	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	+++++ 657579	4020 1749245	19974	77115	186568	+++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Ave	+++++ 595312	3663 1544102	18281	70092	160032	+++++ 200	1.00 500	5.00	20.0	50.0
Bromomethane	BUT	Ave	+++++ 139735	628 +++++	3462	9199	26939	+++++ 200	1.00 +++++	5.00	20.0	50.0
Chloroethane	FB	Ave	+++++ 251093	1596 659902	8868	27567	68660	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	+++++ 972628	6404 2485075	30339	110064	270667	+++++ 200	1.00 500	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	+++++ 639936	3929 1786164	20750	78336	190740	+++++ 200	1.00 500	5.00	20.0	50.0
Pentane	FB	Ave	+++++ 146463	885 353083	4342	17251	40061	+++++ 400	2.00 1000	10.0	40.0	100
Ethanol	TBAd 9	Ave	+++++ 172043	1068 415333	4972	18486	44071	+++++ 8000	40.0 20000	200	800	2000
Ethyl ether	FB	Ave	+++++ 541054	3140 1262140	15959	57846	139179	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 390375	2230 861387	11222	42909	104793	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-1,3-butadiene	FB	Ave	+++++ 490066	2896 1120854	14199	54473	130338	+++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBAd 9	Ave	+++++ 101568	2127 201779	9710	19037	44219	+++++ 200	4.00 400	20.0	40.0	100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-121166-1 Analy Batch No.: 394051

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2016 16:16 Calibration End Date: 09/30/2016 19:03 Calibration ID: 58136

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1-Dichloroethene	FB	Ave	+++++ 444947	2648 1042500	12249	45965	115169	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 392784	2338 894610	11246	41799	103788	+++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Ave	+++++ 401186	2465 947093	11227	43577	97171	+++++ 1000	5.00 2500	25.0	100	250
Iodomethane	FB	QuaF	+++++ 493875	1108 1108432	6231	31858	107263	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon disulfide	FB	Ave	+++++ 1484336	7853 3405555	36697	143045	369082	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl alcohol	TBAd9	Ave	+++++ 493146	2895 1192963	14493	52858	121095	+++++ 2000	10.0 5000	50.0	200	500
Acetonitrile	TBAd9	Ave	+++++ 1950238	11834 4296243	56147	212325	516893	+++++ 2000	10.0 5000	50.0	200	500
Allyl chloride	FB	Ave	+++++ 342851	1622 836849	8866	33001	76392	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	TBAd9	Ave	+++++ 536973	2850 1339353	16335	58159	126299	+++++ 1000	5.00 2500	25.0	100	250
Cyclopentene	FB	Ave	+++++ 1258471	7523 2812703	34858	140145	324443	+++++ 200	1.00 500	5.00	20.0	50.0
Methylene Chloride	FB	Ave	+++++ 548262	3227 1341653	15708	60817	142792	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-2-propanol	TBAd9	Qua2	+++++ 791778	5773 1987114	22246	84033	182225	+++++ 2000	10.0 5000	50.0	200	500
Acrylonitrile	FB	Ave	2349 2619173	13613 5858221	74755	278759	612599	2.00 2000	10.0 5000	50.0	200	500
trans-1,2-Dichloroethene	FB	Ave	+++++ 530553	3089 1138445	15859	58780	145585	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl tert-butyl ether	FB	Ave	+++++ 1938051	10599 4335522	52986	206743	499259	+++++ 200	1.00 500	5.00	20.0	50.0
Hexane	FB	Ave	+++++ 483387	2946 1118080	13371	53531	129359	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethane	FB	Ave	+++++ 1040495	5330 2573405	30782	109367	273419	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	FB	Ave	+++++ 226522	978 562420	6160	23972	56271	+++++ 400	2.00 1000	10.0	40.0	100
Isopropyl ether	FB	Ave	+++++ 2019136	10598 4731151	55829	231590	564068	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	+++++ 492201	2748 1119293	13967	55966	138348	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-butyl ethyl ether	FB	Ave	+++++ 1963562	9985 4619000	53848	220482	536395	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-121166-1 Analy Batch No.: 394051

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2016 16:16 Calibration End Date: 09/30/2016 19:03 Calibration ID: 58136

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
cis-1,2-Dichloroethene	FB	Ave	+++++ 589620	3547 1325759	18081	68282	155997	+++++ 200	1.00 500	5.00	20.0	50.0
2,2-Dichloropropane	FB	Ave	+++++ 179575	1089 414774	5131	19317	46553	+++++ 200	1.00 500	5.00	20.0	50.0
2-Butanone	BUT	Ave	+++++ 456350	2312 1047423	11856	49129	117880	+++++ 1000	5.00 2500	25.0	100	250
Propionitrile	TBAd9	Ave	+++++ 961700	4945 2555419	28985	111401	260137	+++++ 2000	10.0 5000	50.0	200	500
Ethyl acetate	BUT	Ave	+++++ 155694	686 383658	3873	14838	39921	+++++ 400	2.00 1000	10.0	40.0	100
Methyl acrylate	FB	Ave	+++++ 689726	2966 2007395	17368	70123	171842	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorobromomethane	FB	Ave	+++++ 261057	1615 563917	8528	31988	74634	+++++ 200	1.00 500	5.00	20.0	50.0
Methacrylonitrile	FB	Ave	+++++ 2588172	14343 5758471	74773	302207	706486	+++++ 2000	10.0 5000	50.0	200	500
Tetrahydrofuran	BUT	Ave	+++++ 482202	2660 1423538	14198	53038	116968	+++++ 400	2.00 1000	10.0	40.0	100
Chloroform	FB	Ave	+++++ 957901	5227 2277376	27401	104028	239957	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	+++++ 785347	3890 1918497	21315	79302	198325	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	+++++ 704337	4453 1785282	20099	81402	185589	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	+++++ 691486	4072 1636557	20125	72723	175290	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	+++++ 606166	2820 1547712	12872	55625	147355	+++++ 200	1.00 500	5.00	20.0	50.0
Isobutyl alcohol	TBAd9	Ave	+++++ 833894	3797 2167037	20273	81066	190346	+++++ 5000	25.0 12500	125	500	1250
Benzene	CBNZd5	Ave	+++++ 2077923	12882 4774082	63234	232174	534614	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	+++++ 858027	5106 1940428	24614	93022	214290	+++++ 200	1.00 500	5.00	20.0	50.0
2,2,4-Trimethylpentane	FB	Ave	+++++ 829353	5083 2086079	22761	89266	209636	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl acetate	FB	Ave	+++++ 2197927	10504 5170001	53139	210924	535540	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-amyl methyl ether	FB	Ave	+++++ 1754086	8046 4107147	44831	179707	425767	+++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	Ave	+++++ 351136	2521 866151	9908	37603	90839	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-121166-1 Analy Batch No.: 394051

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2016 16:16 Calibration End Date: 09/30/2016 19:03 Calibration ID: 58136

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
n-Butanol	TBAd9	Ave	+++++ 508733	1982 1304885	11096	43677	118778	+++++ 5000	25.0 12500	125	500	1250
Trichloroethene	FB	Ave	+++++ 524053	2897 1198523	14817	57193	136216	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acrylate	FB	Ave	+++++ 874377	3382 2119835	19740	77165	203491	+++++ 200	1.00 500	5.00	20.0	50.0
Methylcyclohexane	FB	Ave	+++++ 503888	2762 1191186	13582	53243	133945	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	+++++ 559161	3436 1328158	15278	59517	140125	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromomethane	FB	Ave	+++++ 335492	1775 838463	9722	36171	86842	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dioxane	DXE	Ave	+++++ 177348	2142 430258	5126	18797	44464	+++++ 4000	50.0 10000	100	400	1000
Methyl methacrylate	FB	Ave	+++++ 355813	1612 846679	8765	35225	84117	+++++ 400	2.00 1000	10.0	40.0	100
n-Propyl acetate	FB	Ave	+++++ 1007161	4534 2360491	23286	92760	232513	+++++ 200	1.00 500	5.00	20.0	50.0
Bromodichloromethane	FB	Ave	+++++ 685965	3051 1780716	16317	68186	161624	+++++ 200	1.00 500	5.00	20.0	50.0
2-Nitropropane	FB	Ave	+++++ 377879	1370 1018756	6998	30313	82639	+++++ 400	2.00 1000	10.0	40.0	100
2-Chloroethyl vinyl ether	FB	Ave	+++++ 319453	1250 845192	8292	30662	71257	+++++ 200	1.00 500	5.00	20.0	50.0
Epichlorohydrin	BUT	Ave	1557 1344250	6531 3460546	38091	145550	339253	5.00 4000	20.0 10000	100	400	1000
cis-1,3-Dichloropropene	CBNZd5	Ave	+++++ 860872	4068 2167512	22542	89596	217273	+++++ 200	1.00 500	5.00	20.0	50.0
MIBK	BUT	Ave	+++++ 3060769	14722 7288965	83214	324415	756125	+++++ 1000	5.00 2500	25.0	100	250
Toluene	CBNZd5	Ave	+++++ 2025443	11082 4591761	58433	214521	520499	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,3-Dichloropropene	CBNZd5	Ave	+++++ 830780	3324 1793627	18724	79847	197741	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl methacrylate	CBNZd5	Ave	+++++ 713222	3382 1706706	18078	73723	173212	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloroethane	CBNZd5	Ave	+++++ 381170	1911 942900	10863	43056	99522	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrachloroethene	CBNZd5	Ave	+++++ 482203	2390 1118789	13324	49080	121702	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZd5	Ave	+++++ 799094	4365 2033441	23363	88841	211484	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-121166-1 Analy Batch No.: 394051

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2016 16:16 Calibration End Date: 09/30/2016 19:03 Calibration ID: 58136

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Hexanone	BUT	Ave	+++++ 2204462	10143 5250841	60805	239893	538187	+++++ 1000	5.00 2500	25.0	100	250
Dibromochloromethane	CBNZ d5	Ave	+++++ 506119	1718 1284128	10223	44916	113524	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acetate	CBNZ d5	Ave	+++++ 949319	4631 2162387	24784	94213	227720	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylene Dibromide	CBNZ d5	Ave	+++++ 486827	2436 1177733	13142	50459	125287	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorobenzene	CBNZ d5	Ave	+++++ 1222975	7346 3066509	36292	137739	323174	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 469356	1923 1189312	10015	44471	110088	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZ d5	Ave	+++++ 633009	3858 1583672	18687	70415	165660	+++++ 200	1.00 500	5.00	20.0	50.0
m-Xylene & p-Xylene	CBNZ d5	Ave	+++++ 796327	4357 1870827	22808	86151	202205	+++++ 200	1.00 500	5.00	20.0	50.0
o-Xylene	CBNZ d5	Ave	+++++ 806072	4053 1838000	22737	86368	212422	+++++ 200	1.00 500	5.00	20.0	50.0
Styrene	CBNZ d5	Ave	+++++ 1400896	5539 3176509	35774	145171	358078	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBNZ d5	Ave	+++++ 417759	1432 1090001	9402	38161	93304	+++++ 200	1.00 500	5.00	20.0	50.0
Bromoform	CBNZ d5	Ave	+++++ 342690	1156 890605	5965	26072	72071	+++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate (mixed isomers)	DCBd 4	Ave	+++++ 1064796	4183 2678938	25605	103526	259942	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropylbenzene	CBNZ d5	Ave	+++++ 1746500	9999 4045278	51194	196571	465838	+++++ 200	1.00 500	5.00	20.0	50.0
Bromobenzene	DCBd 4	Ave	+++++ 569107	3013 1374598	16729	63305	146142	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 617260	2798 1480118	16142	65021	150484	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 178771	1002 474738	5324	20517	47287	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 214404	834 559518	4898	20170	49417	+++++ 200	1.00 500	5.00	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	+++++ 1981109	8849 4693963	50840	211807	503717	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chlorotoluene	DCBd 4	Ave	+++++ 1405191	8163 3241163	43225	156802	378114	+++++ 200	1.00 500	5.00	20.0	50.0
4-Ethyltoluene	DCBd 4	Ave	+++++ 1720344	8219 4098783	45436	179135	445894	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-121166-1 Analy Batch No.: 394051

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2016 16:16 Calibration End Date: 09/30/2016 19:03 Calibration ID: 58136

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
4-Chlorotoluene	DCBd 4	Ave	+++++ 1456652	7387 3594978	44098	153820	380587	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++ 1430834	7187 3317238	42661	154586	359050	+++++ 200	1.00 500	5.00	20.0	50.0
Butyl Methacrylate	DCBd 4	Ave	+++++ 654694	2611 1615791	15477	60738	148345	+++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 1092613	4734 2603793	27365	111772	271910	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 1465184	8025 3491159	44405	164784	392045	+++++ 200	1.00 500	5.00	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 1350036	5961 3371220	33081	137473	361308	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 978532	5101 2250352	27838	104142	235845	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 957922	5289 2107425	26419	102664	255057	+++++ 200	1.00 500	5.00	20.0	50.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 1262330	6361 2789416	31833	120639	285450	+++++ 200	1.00 500	5.00	20.0	50.0
Benzyl chloride	DCBd 4	Qua2	+++++ 243733	556 624249	3880	19126	53030	+++++ 200	1.00 500	5.00	20.0	50.0
Indan	DCBd 4	Ave	+++++ 1757489	8507 3751673	47987	187714	459325	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 986903	4596 2149943	26416	104474	249856	+++++ 200	1.00 500	5.00	20.0	50.0
p-Diethylbenzene	DCBd 4	Ave	+++++ 695730	3909 1675038	20342	73861	177998	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	+++++ 1225838	7498 2838462	35837	130569	304773	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 146435	507 341255	3027	12099	31715	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	+++++ 1278968	7435 2740484	40678	153638	342577	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	+++++ 533097	3164 1169526	17172	56698	152411	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 572561	3594 1178375	17837	65497	144160	+++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 187024	933 453858	4714	18608	42964	+++++ 200	1.00 500	5.00	20.0	50.0
Naphthalene	DCBd 4	Ave	+++++ 1620225	9515 3423447	53814	181058	439764	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++ 529428	3330 1157725	16817	61428	146351	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-121166-1 Analy Batch No.: 394051

SDG No.:

Instrument ID: CVOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2016 16:16 Calibration End Date: 09/30/2016 19:03 Calibration ID: 58136

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dibromofluoromethane (Surr)	FB	Ave	127827 129541	118642 128774	121054	126531	127687	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	174076 174523	166688 177409	171416	164716	174689	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	456928 474297	435406 472959	429414	454294	454316	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Bromofluorobenzene	CBNZ d5	Ave	142482 148064	142423 143165	144249	141589	149723	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Qua2 = Quadratic 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15606.D
Lims ID: STD7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 30-Sep-2016 16:16:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD7
Misc. Info.: 460-0046245-002
Operator ID: Instrument ID: CVOAMS12
Sublist: chrom-8260W_12*sub10

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 01-Oct-2016 17:18:03 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK002

First Level Reviewer: kluseys Date: 30-Sep-2016 20:57:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	2.224	2.243	-0.019	96	269339	1000.0	1000.0	
29 Acrylonitrile	53	2.370	2.370	0.000	86	2349	2.00	1.71	
* 38 2-Butanone-d5	46	3.119	3.126	-0.007	30	341886	250.0	250.0	
$ 49 Dibromofluoromethane (Surr	113	3.564	3.568	-0.004	96	127827	50.0	48.3	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.867	3.871	-0.004	97	174076	50.0	48.1	
* 61 Fluorobenzene	96	4.204	4.204	0.000	98	546442	50.0	50.0	
* 68 1,4-Dioxane-d8	96	4.919	4.923	-0.004	93	35179	1000.0	1000.0	
76 Epichlorohydrin	57	5.551	5.559	-0.008	51	1557	5.00	5.13	
$ 79 Toluene-d8 (Surr)	98	5.985	5.985	0.000	99	456928	50.0	50.6	
* 90 Chlorobenzene-d5	117	7.931	7.931	0.000	88	368049	50.0	50.0	
$ 101 4-Bromofluorobenzene	174	9.765	9.769	-0.004	94	142482	50.0	49.5	
* 116 1,4-Dichlorobenzene-d4	152	11.595	11.599	-0.004	96	178661	50.0	50.0	

Reagents:

ACRY/EPIH MIX_00025	Amount Added:	2.00	Units: uL	
MIX I Hi_00062	Amount Added:	0.00	Units: uL	
14DIOXINTER_00061	Amount Added:	0.00	Units: uL	
MIX 2 Hi_00048	Amount Added:	0.00	Units: uL	
MIX I Hi_00063	Amount Added:	0.00	Units: uL	
ACROLEIN W_00056	Amount Added:	0.00	Units: uL	
GAS Hi_00167	Amount Added:	0.00	Units: uL	
8260ISNEW_00090	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00139	Amount Added:	1.00	Units: uL	Run Reagent

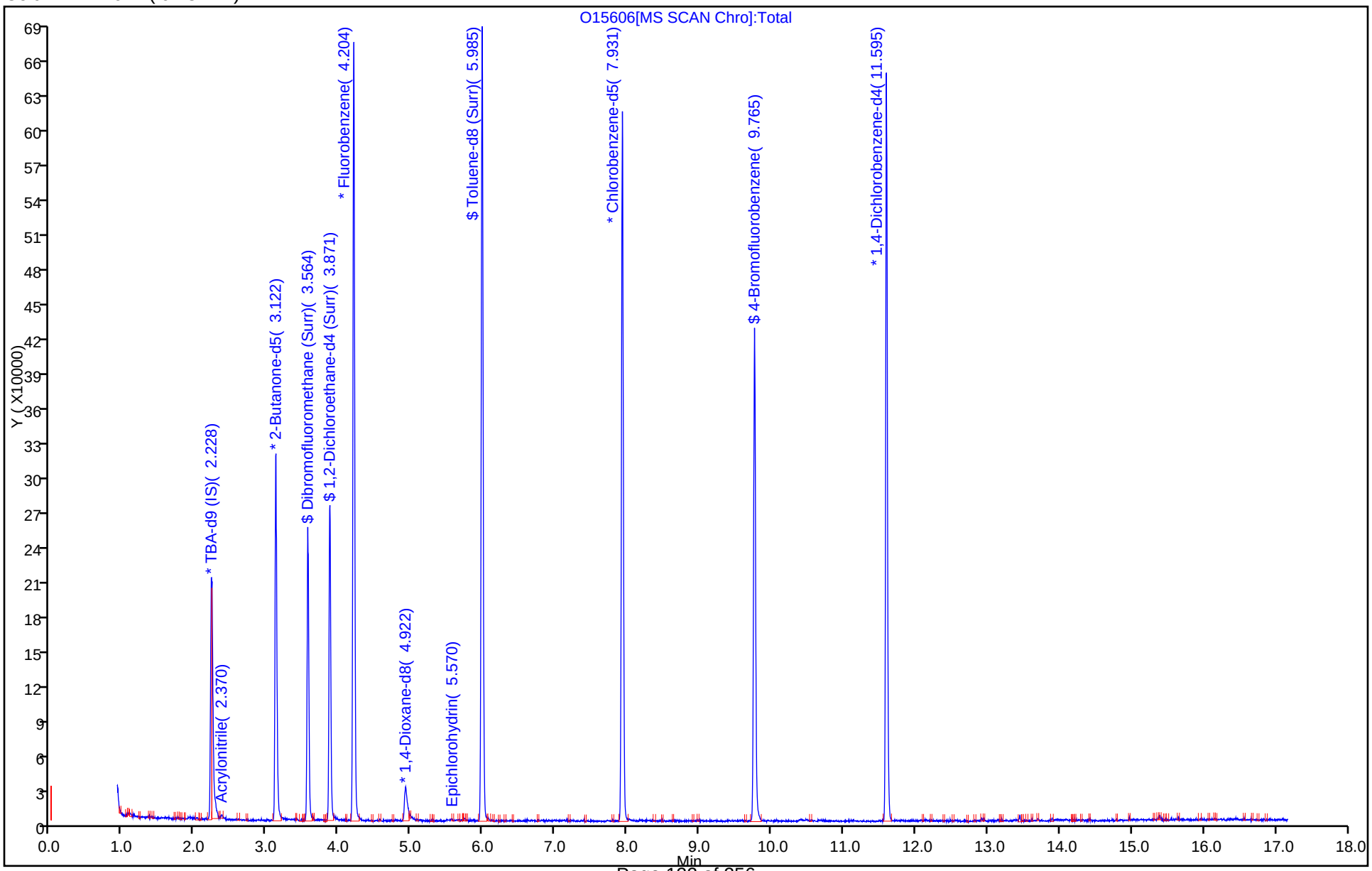
Report Date: 01-Oct-2016 17:18:11 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15606.D

Injection Date:	30-Sep-2016 16:16:30	Instrument ID:	CVOAMS12	Operator ID:	
Lims ID:	STD7			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15607.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 30-Sep-2016 16:44:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0046245-003
Operator ID: Instrument ID: CVOAMS12
Sublist: chrom-8260W_12*sub10

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 01-Oct-2016 17:18:30 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK002

First Level Reviewer: kluseys Date: 30-Sep-2016 20:50:06

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	66	0.971	0.974	-0.003	43	508	1.00	1.22	M
2	Dichlorodifluoromethane	85	0.997	0.993	0.004	98	4278	1.00	1.10	
3	Chloromethane	50	1.147	1.143	0.004	80	3434	1.00	0.9103	
4	Vinyl chloride	62	1.169	1.169	0.000	95	4020	1.00	1.07	
5	Butadiene	54	1.188	1.188	0.000	96	3663	1.00	1.08	
6	Bromomethane	94	1.349	1.356	-0.007	51	628	1.00	1.18	M
7	Chloroethane	64	1.412	1.416	-0.004	94	1596	1.00	1.09	
8	Dichlorofluoromethane	67	1.536	1.532	0.004	97	6404	1.00	1.15	
9	Trichlorofluoromethane	101	1.566	1.570	-0.004	97	3929	1.00	1.03	
10	Pentane	72	1.615	1.618	-0.003	95	885	2.00	2.16	
11	Ethanol	46	1.738	1.697	0.041	77	1068	40.0	53.3	
12	Ethyl ether	59	1.749	1.749	0.000	77	3140	1.00	1.08	
13	1,2-Dichloro-1,1,2-trifluo	117	1.757	1.749	0.008	86	2230	1.00	1.07	
14	2-Methyl-1,3-butadiene	53	1.764	1.760	0.004	87	2896	1.00	1.09	
15	Acrolein	56	1.820	1.824	-0.004	90	2127	4.00	5.03	
16	1,1-Dichloroethene	96	1.880	1.884	-0.004	97	2648	1.00	1.12	
17	1,1,2-Trichloro-1,2,2-trif	101	1.895	1.891	0.004	97	2338	1.00	1.11	
18	Acetone	58	1.929	1.929	0.000	85	2465	5.00	6.67	M
19	Iodomethane	142	1.981	1.981	0.000	95	1108	1.00	0.4426	
21	Carbon disulfide	76	2.026	2.022	0.004	100	7853	1.00	1.06	
20	Isopropyl alcohol	45	2.030	2.034	-0.004	35	2895	10.0	12.8	
22	3-Chloro-1-propene	76	2.120	2.120	0.000	89	1622	1.00	0.9699	
23	Acetonitrile	41	2.120	2.120	0.000	80	11834	10.0	13.1	
24	Methyl acetate	74	2.135	2.138	-0.003	99	2850	5.00	5.87	
25	Cyclopentene	67	2.176	2.176	0.000	94	7523	1.00	1.12	
26	Methylene Chloride	84	2.202	2.202	0.000	96	3227	1.00	1.08	
* 27	TBA-d9 (IS)	65	2.243	2.243	0.000	99	283923	1000.0	1000.0	
28	2-Methyl-2-propanol	59	2.303	2.303	0.000	98	5773	10.0	9.98	
29	Acrylonitrile	53	2.370	2.370	0.000	96	13613	10.0	10.4	
30	trans-1,2-Dichloroethene	96	2.393	2.393	0.000	97	3089	1.00	1.08	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Methyl tert-butyl ether	73	2.400	2.404	-0.004	96	10599	1.00	1.05	
32 Hexane	57	2.595	2.599	-0.004	91	2946	1.00	1.13	
33 1,1-Dichloroethane	63	2.696	2.696	0.000	99	5330	1.00	0.9666	
34 Vinyl acetate	86	2.745	2.748	-0.003	100	978	2.00	1.71	
35 Isopropyl ether	45	2.767	2.767	0.000	91	10598	1.00	0.9797	
36 2-Chloro-1,3-butadiene	88	2.767	2.771	-0.004	68	2748	1.00	1.03	
37 Tert-butyl ethyl ether	59	3.052	3.055	-0.003	87	9985	1.00	0.9627	
* 38 2-Butanone-d5	46	3.123	3.126	-0.003	30	340419	250.0	250.0	
40 cis-1,2-Dichloroethene	96	3.153	3.152	0.001	93	3547	1.00	1.09	
39 2,2-Dichloropropane	97	3.156	3.156	0.000	50	1089	1.00	1.13	
41 2-Butanone (MEK)	72	3.183	3.175	0.008	100	2312	5.00	5.78	
42 Propionitrile	54	3.220	3.216	0.004	94	4945	10.0	11.0	
43 Ethyl acetate	70	3.231	3.235	-0.004	99	686	2.00	2.10	
44 Methyl acrylate	55	3.261	3.265	-0.004	98	2966	1.00	0.8475	
45 Methacrylonitrile	67	3.351	3.347	0.004	94	14343	10.0	10.3	
46 Chlorobromomethane	128	3.351	3.351	0.000	46	1615	1.00	1.08	
47 Tetrahydrofuran	42	3.403	3.403	0.000	42	2660	2.00	2.34	
48 Chloroform	83	3.430	3.429	0.001	96	5227	1.00	1.03	
$ 49 Dibromofluoromethane (Surr	113	3.564	3.568	-0.004	97	118642	50.0	47.2	
50 1,1,1-Trichloroethane	97	3.587	3.587	0.000	97	3890	1.00	0.9699	
51 Cyclohexane	56	3.639	3.639	0.000	95	4453	1.00	1.13	
53 Carbon tetrachloride	117	3.736	3.740	-0.004	76	2820	1.00	0.9735	
52 1,1-Dichloropropene	75	3.736	3.740	-0.004	91	4072	1.00	1.10	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.871	3.871	0.000	97	166688	50.0	48.5	
55 Isobutyl alcohol	43	3.886	3.886	0.000	20	3797	25.0	27.4	
56 Benzene	78	3.927	3.927	0.000	96	12882	1.00	1.18	
57 1,2-Dichloroethane	62	3.938	3.942	-0.004	93	5106	1.00	1.12	
58 Isooctane	57	4.032	4.028	0.004	68	5083	1.00	1.14	
59 Isopropyl acetate	43	4.043	4.036	0.007	95	10504	1.00	0.9806	
60 Tert-amyl methyl ether	73	4.058	4.058	0.000	91	8046	1.00	0.9290	
* 61 Fluorobenzene	96	4.200	4.204	-0.004	99	519133	50.0	50.0	
62 n-Heptane	43	4.223	4.223	0.000	1	2521	1.00	1.28	M
63 n-Butanol	56	4.560	4.556	0.004	95	1982	25.0	25.0	
64 Trichloroethene	95	4.571	4.578	-0.007	77	2897	1.00	1.05	
65 Ethyl acrylate	55	4.736	4.728	0.008	93	3382	1.00	0.8438	
66 Methylcyclohexane	83	4.784	4.784	0.000	58	2762	1.00	1.04	
67 1,2-Dichloropropane	63	4.818	4.810	0.008	90	3436	1.00	1.15	
* 68 1,4-Dioxane-d8	96	4.926	4.923	0.003	94	35224	1000.0	1000.0	
69 Dibromomethane	93	4.930	4.930	0.000	47	1775	1.00	0.99	
71 Methyl methacrylate	100	4.986	4.982	0.004	93	1612	2.00	1.87	
70 1,4-Dioxane	88	4.979	4.982	-0.003	38	2142	50.0	52.3	
72 n-Propyl acetate	43	5.069	5.065	0.004	96	4534	1.00	0.9559	
73 Dichlorobromomethane	83	5.125	5.125	0.000	98	3051	1.00	0.9108	
74 2-Nitropropane	41	5.394	5.390	0.004	74	1370	2.00	1.66	
75 2-Chloroethyl vinyl ether	63	5.514	5.510	0.004	58	1250	1.00	0.8138	
76 Epichlorohydrin	57	5.559	5.559	0.000	98	6531	20.0	21.6	
77 cis-1,3-Dichloropropene	75	5.660	5.656	0.004	96	4068	1.00	0.9696	
78 4-Methyl-2-pentanone (MIBK	43	5.877	5.877	0.000	98	14722	5.00	5.52	
$ 79 Toluene-d8 (Surr)	98	5.982	5.985	-0.003	99	435406	50.0	49.6	
80 Toluene	91	6.068	6.064	0.004	95	11082	1.00	1.09	
81 trans-1,3-Dichloropropene	75	6.375	6.375	0.000	94	3324	1.00	0.9066	
82 Ethyl methacrylate	69	6.551	6.550	0.001	90	3382	1.00	0.99	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 1,1,2-Trichloroethane	83	6.599	6.599	0.000	88	1911	1.00	0.9857	
84 Tetrachloroethene	166	6.775	6.771	0.004	83	2390	1.00	1.02	
85 1,3-Dichloropropane	76	6.813	6.816	-0.004	97	4365	1.00	1.05	
86 2-Hexanone	43	6.992	6.992	0.000	93	10143	5.00	5.29	
87 Chlorodibromomethane	129	7.108	7.112	-0.004	93	1718	1.00	0.8001	
88 n-Butyl acetate	43	7.220	7.213	0.007	97	4631	1.00	1.03	
89 Ethylene Dibromide	107	7.239	7.243	-0.004	73	2436	1.00	1.01	
* 90 Chlorobenzene-d5	117	7.931	7.931	0.000	88	357605	50.0	50.0	
91 Chlorobenzene	112	7.973	7.972	0.001	88	7346	1.00	1.13	
92 1,1,1,2-Tetrachloroethane	131	8.115	8.111	0.004	89	1923	1.00	0.9147	
93 Ethylbenzene	106	8.175	8.175	0.000	99	3858	1.00	1.15	
94 m-Xylene & p-Xylene	106	8.366	8.362	0.004	97	4357	1.00	1.08	
95 o-Xylene	106	8.953	8.949	0.004	96	4053	1.00	1.01	
96 Styrene	104	8.979	8.983	-0.004	95	5539	1.00	0.8492	
97 n-Butyl acrylate	73	9.032	9.028	0.004	97	1432	1.00	0.7855	
98 Bromoform	173	9.219	9.211	0.008	90	1156	1.00	0.8400	
99 Amyl acetate (mixed isomer	43	9.425	9.421	0.004	89	4183	1.00	0.8932	
100 Isopropylbenzene	105	9.567	9.563	0.004	96	9999	1.00	1.10	
$ 101 4-Bromofluorobenzene	174	9.765	9.769	-0.004	89	142423	50.0	50.9	
102 Bromobenzene	156	9.960	9.960	0.000	96	3013	1.00	1.08	
103 1,1,2,2-Tetrachloroethane	83	10.061	10.068	-0.007	96	2798	1.00	0.9870	
104 1,2,3-Trichloropropane	110	10.087	10.087	0.000	93	1002	1.00	1.10	
105 trans-1,4-Dichloro-2-buten	53	10.173	10.169	0.004	72	834	1.00	0.9017	
106 N-Propylbenzene	91	10.240	10.233	0.007	96	8849	1.00	0.9703	
107 2-Chlorotoluene	91	10.308	10.311	-0.003	73	8163	1.00	1.15	M
108 4-Ethyltoluene	105	10.431	10.435	-0.004	97	8219	1.00	1.02	
109 4-Chlorotoluene	91	10.499	10.498	0.001	97	7387	1.00	1.04	
110 1,3,5-Trimethylbenzene	105	10.547	10.551	-0.004	96	7187	1.00	1.04	
111 Butyl Methacrylate	87	10.824	10.820	0.004	91	2611	1.00	0.9294	
112 tert-Butylbenzene	119	11.064	11.067	-0.003	95	4734	1.00	0.9601	
113 1,2,4-Trimethylbenzene	105	11.150	11.146	0.004	97	8025	1.00	1.09	
114 sec-Butylbenzene	105	11.412	11.415	-0.003	97	5961	1.00	0.9603	
115 1,3-Dichlorobenzene	146	11.498	11.498	0.000	96	5101	1.00	1.10	
* 116 1,4-Dichlorobenzene-d4	152	11.595	11.599	-0.004	96	178221	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.629	11.629	0.000	92	5289	1.00	1.14	
118 4-Isopropyltoluene	119	11.640	11.640	0.000	94	6361	1.00	1.13	
119 Benzyl chloride	126	11.831	11.831	0.000	97	556	1.00	1.02	
120 2,3-Dihydroindene	117	11.958	11.958	0.000	93	8507	1.00	1.04	
121 1,2-Dichlorobenzene	146	12.085	12.081	0.004	91	4596	1.00	1.01	
122 p-Diethylbenzene	119	12.126	12.126	0.000	91	3909	1.00	1.14	
123 n-Butylbenzene	91	12.149	12.153	-0.004	89	7498	1.00	1.23	M
124 1,2-Dibromo-3-Chloropropan	75	12.931	12.935	-0.004	46	507	1.00	0.8744	
125 1,2,4,5-Tetramethylbenzene	119	12.957	12.953	0.004	96	7435	1.00	1.14	
126 1,3,5-Trichlorobenzene	180	13.148	13.152	-0.004	96	3164	1.00	1.16	
127 1,2,4-Trichlorobenzene	180	13.702	13.698	0.004	90	3594	1.00	1.25	
128 Hexachlorobutadiene	225	13.867	13.870	-0.003	91	933	1.00	1.09	
129 Naphthalene	128	13.893	13.889	0.004	99	9515	1.00	1.15	
130 1,2,3-Trichlorobenzene	180	14.099	14.095	0.004	95	3330	1.00	1.21	
S 131 1,2-Dichloroethene, Total	100				0		2.00	2.17	
S 132 Xylenes, Total	100				0		2.00	2.09	
S 133 Total BTEX	1				0		5.00	5.50	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

14DIOXINTER_00061	Amount Added:	30.00	Units: uL	
MIX 2 Hi_00048	Amount Added:	1.00	Units: uL	
MIX I Hi_00063	Amount Added:	1.00	Units: uL	
ACROLEIN W_00056	Amount Added:	4.00	Units: uL	
GAS Hi_00167	Amount Added:	1.00	Units: uL	
8260ISNEW_00090	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00139	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 01-Oct-2016 17:18:33 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15607.D

Injection Date: 30-Sep-2016 16:44:30 Instrument ID: CVOAMS12 Operator ID:

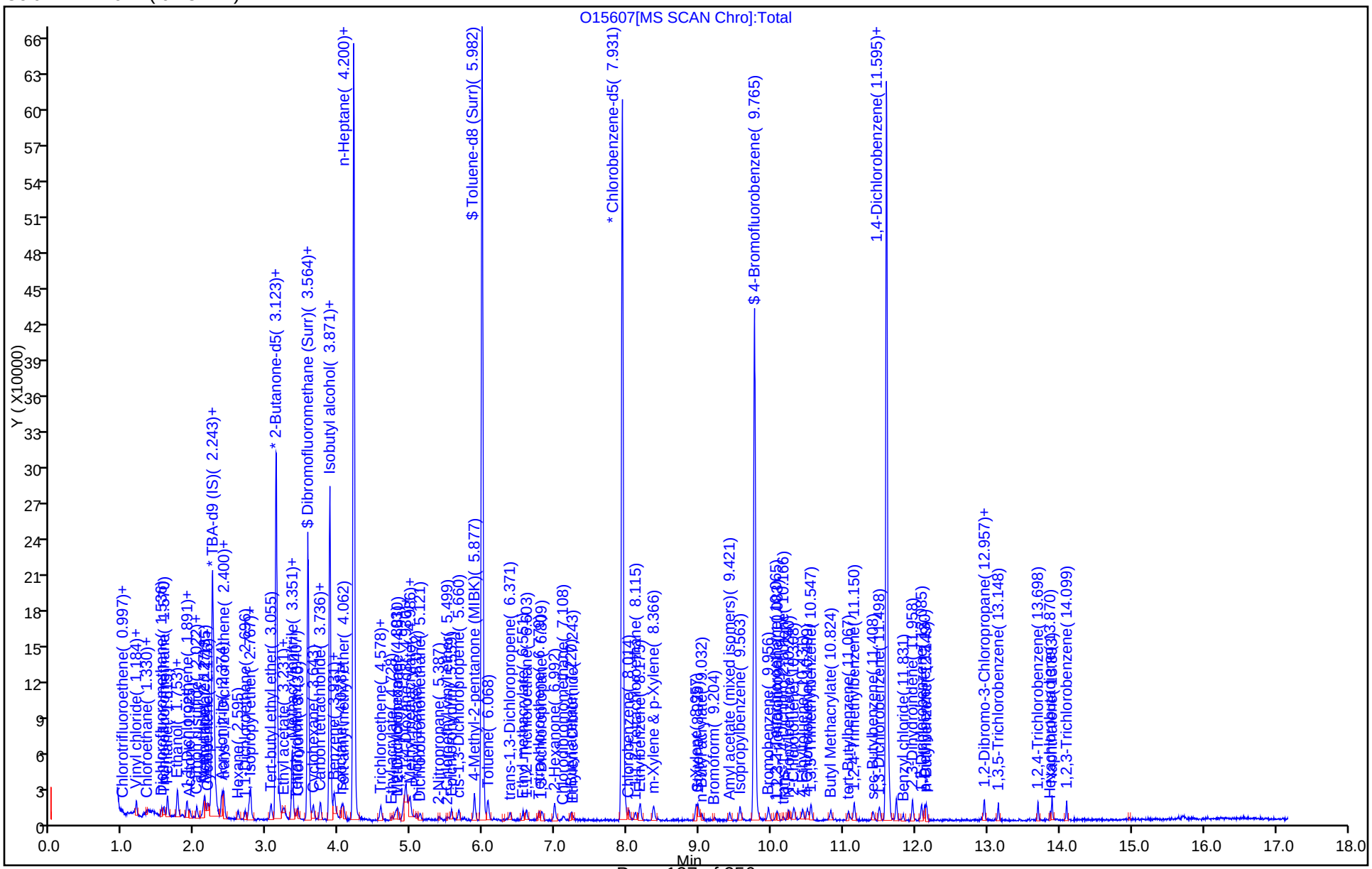
Lims ID: STD1 Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

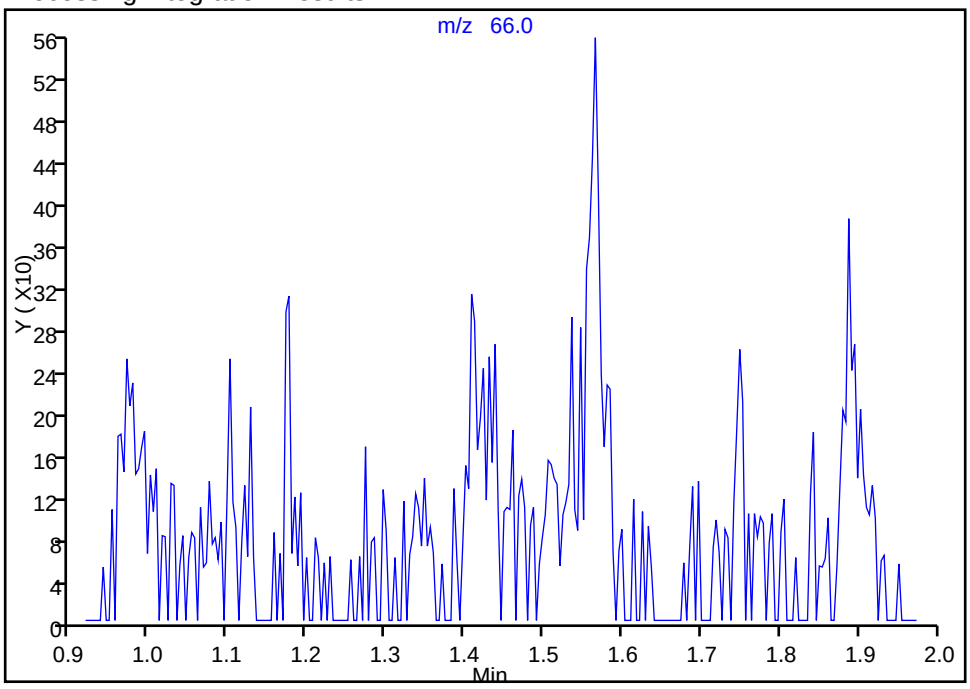
Data File:	\\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15607.D				
Injection Date:	30-Sep-2016 16:44:30	Instrument ID:	CVOAMS12		
Lims ID:	STD1				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

1 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

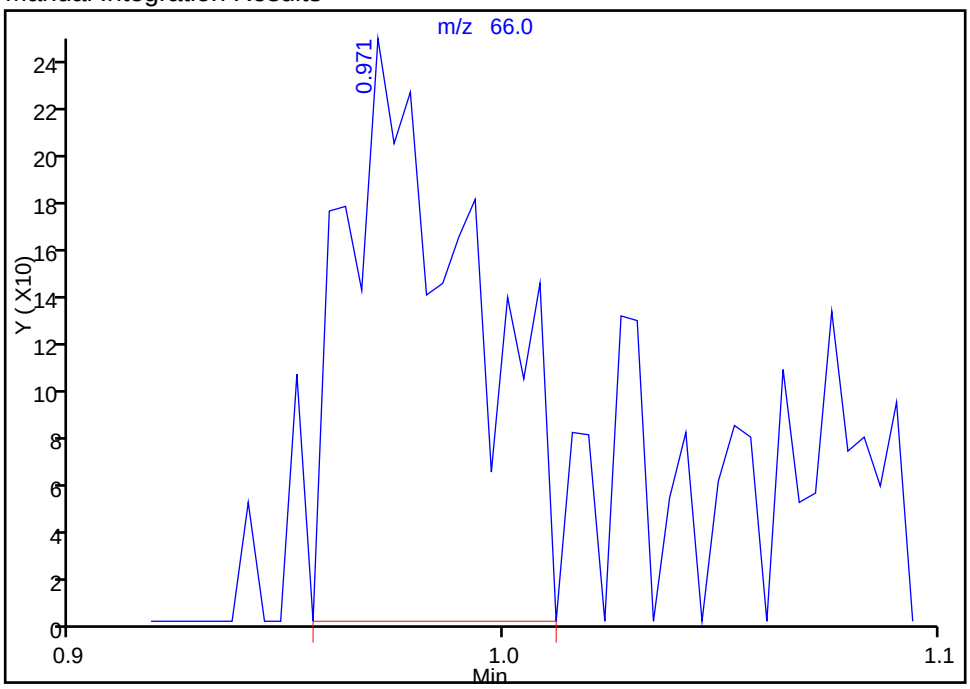
Not Detected
Expected RT: 0.97

Processing Integration Results



Manual Integration Results

RT: 0.97
Area: 508
Amount: 1.222181
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:29:53
Audit Action: Assigned Compound ID Audit Reason:

Manual Integration/User Assign Peak Report

TestAmerica Edison

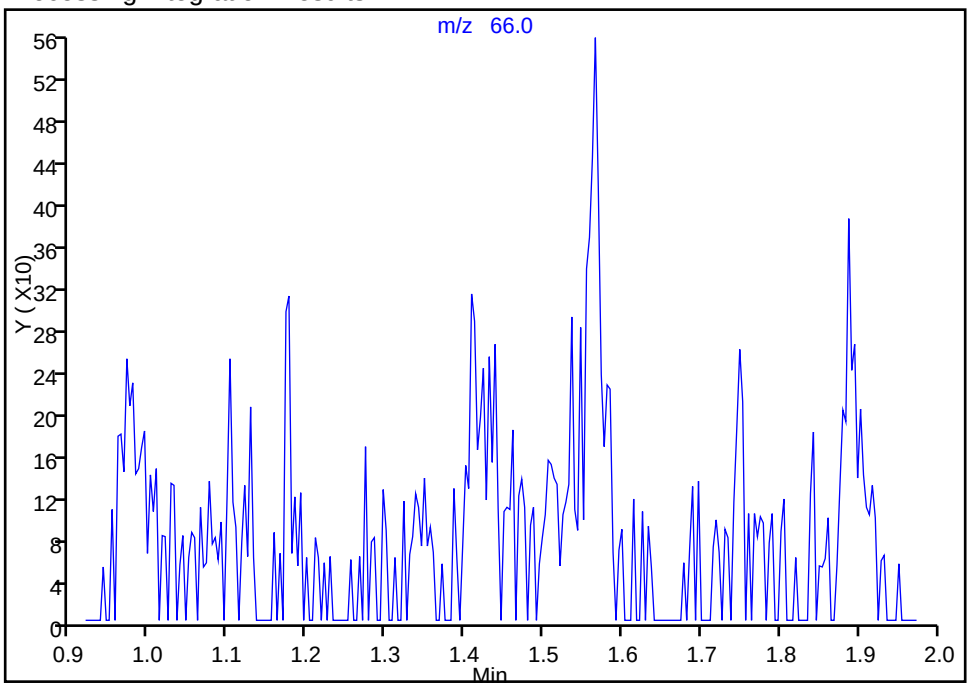
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15607.D
Injection Date: 30-Sep-2016 16:44:30 Instrument ID: CVOAMS12
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

1 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

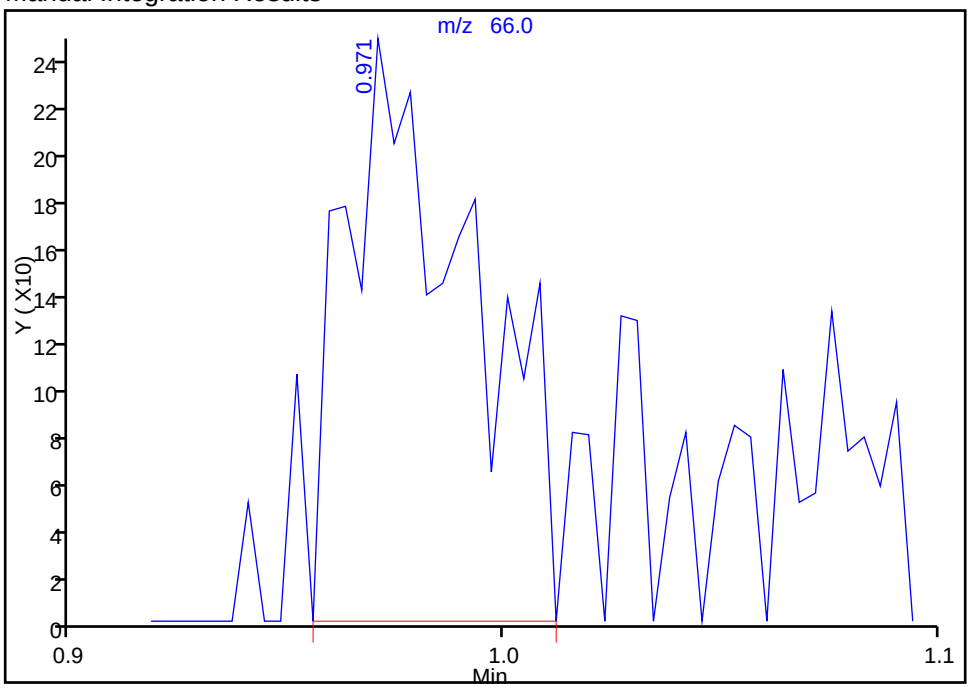
Not Detected
Expected RT: 0.97

Processing Integration Results



Manual Integration Results

RT: 0.97
Area: 508
Amount: 1.222181
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:44:07
Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

TestAmerica Edison

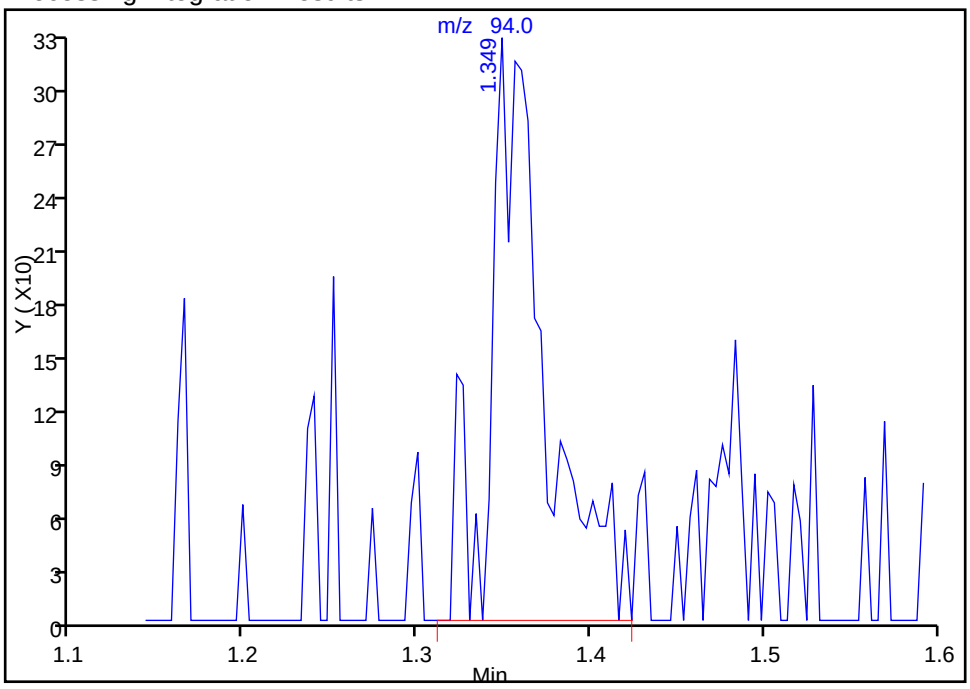
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15607.D
Injection Date: 30-Sep-2016 16:44:30 Instrument ID: CVOAMS12
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

6 Bromomethane, CAS: 74-83-9

Signal: 1

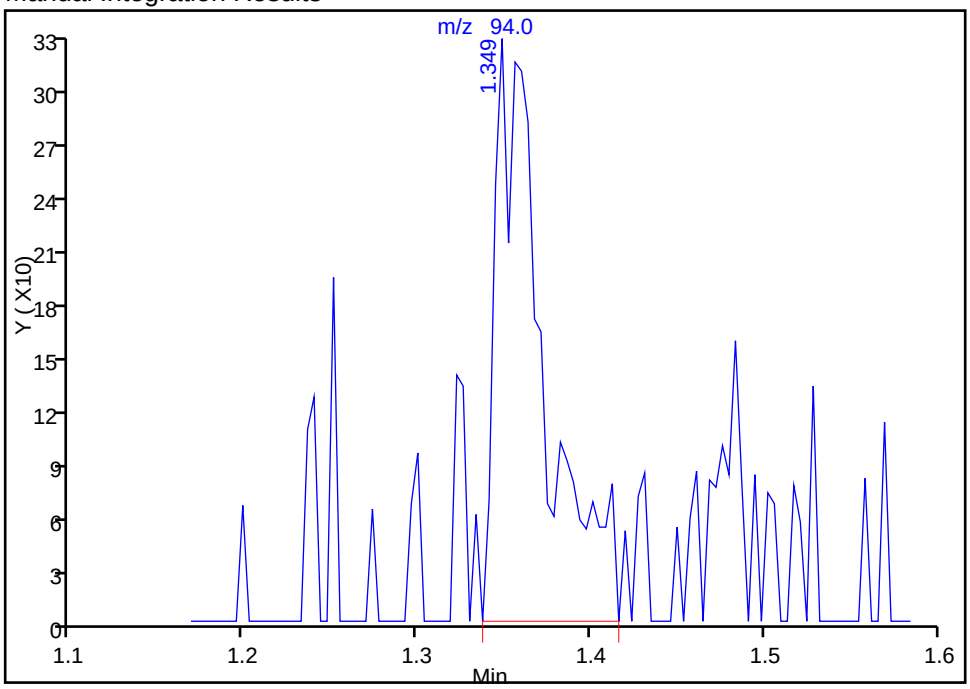
Processing Integration Results

RT: 1.35
Area: 712
Amount: 1.477261
Amount Units: ug/l



Manual Integration Results

RT: 1.35
Area: 628
Amount: 1.181504
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:44:07
Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

TestAmerica Edison

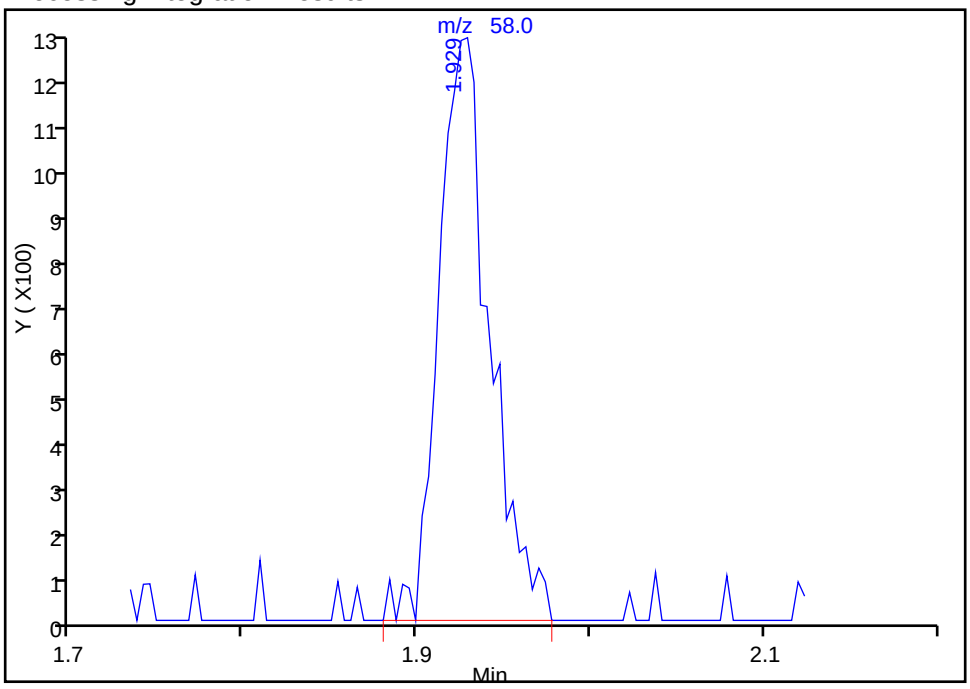
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15607.D
Injection Date: 30-Sep-2016 16:44:30 Instrument ID: CVOAMS12
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

18 Acetone, CAS: 67-64-1

Signal: 1

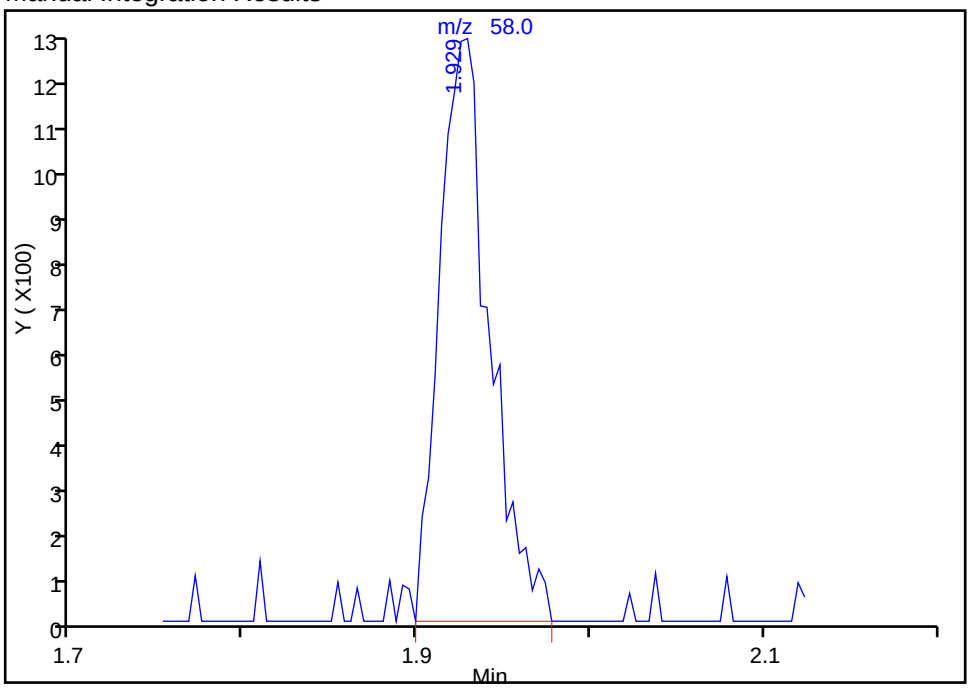
Processing Integration Results

RT: 1.93
Area: 2517
Amount: 7.222736
Amount Units: ug/l



Manual Integration Results

RT: 1.93
Area: 2465
Amount: 6.672752
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:48:31
Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

TestAmerica Edison

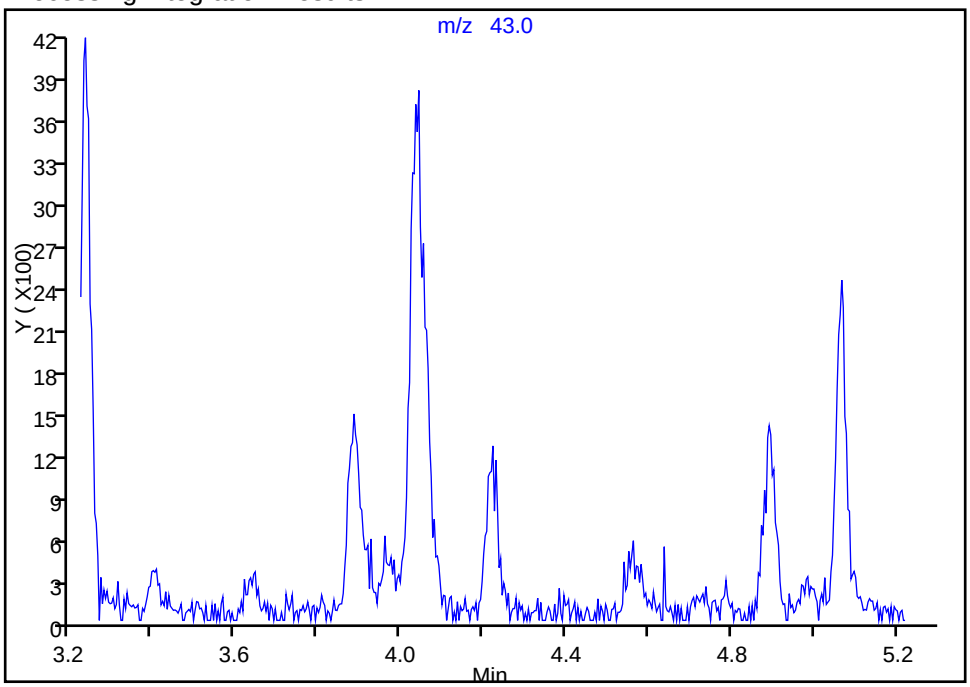
Data File:	\\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15607.D				
Injection Date:	30-Sep-2016 16:44:30	Instrument ID:	CVOAMS12		
Lims ID:	STD1				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

62 n-Heptane, CAS: 142-82-5

Signal: 1

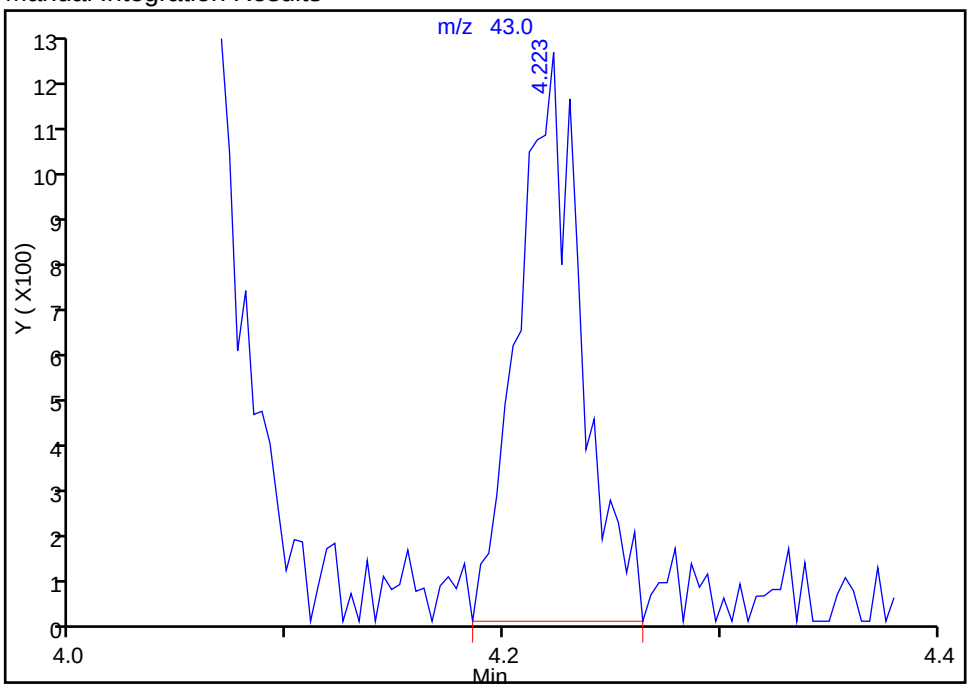
Not Detected
Expected RT: 4.22

Processing Integration Results



Manual Integration Results

RT: 4.22
Area: 2521
Amount: 1.282745
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:29:53
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

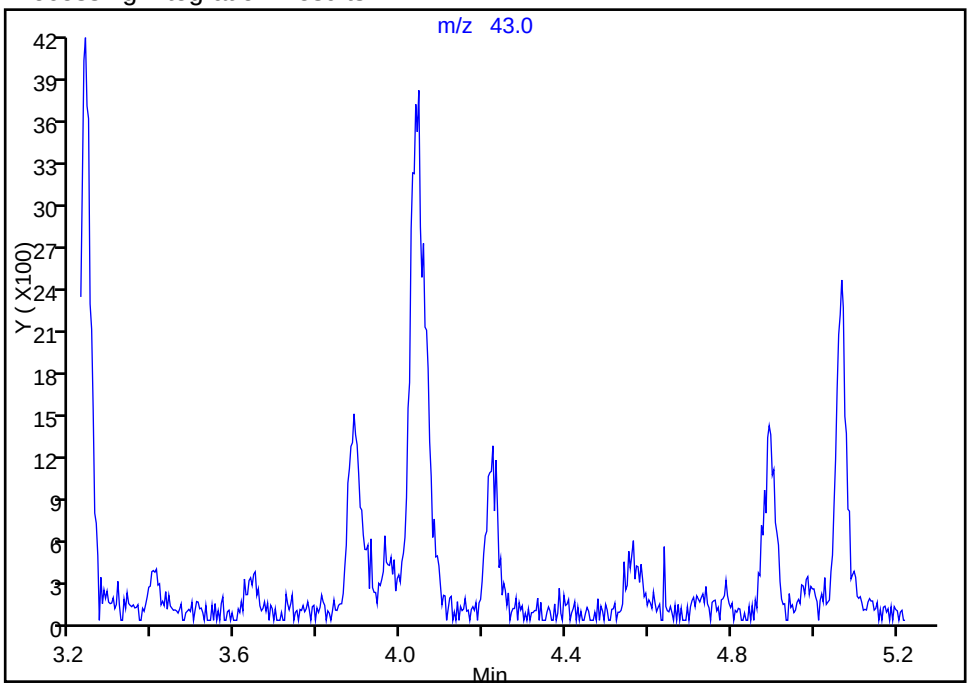
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15607.D
Injection Date: 30-Sep-2016 16:44:30 Instrument ID: CVOAMS12
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

62 n-Heptane, CAS: 142-82-5

Signal: 1

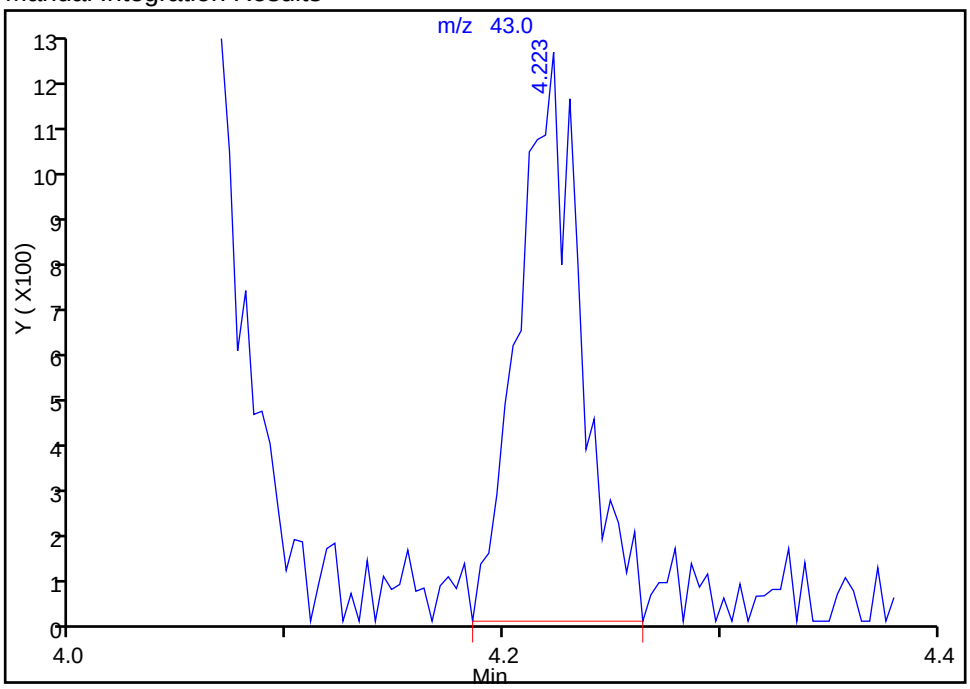
Not Detected
Expected RT: 4.22

Processing Integration Results



Manual Integration Results

RT: 4.22
Area: 2521
Amount: 1.282745
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:29:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

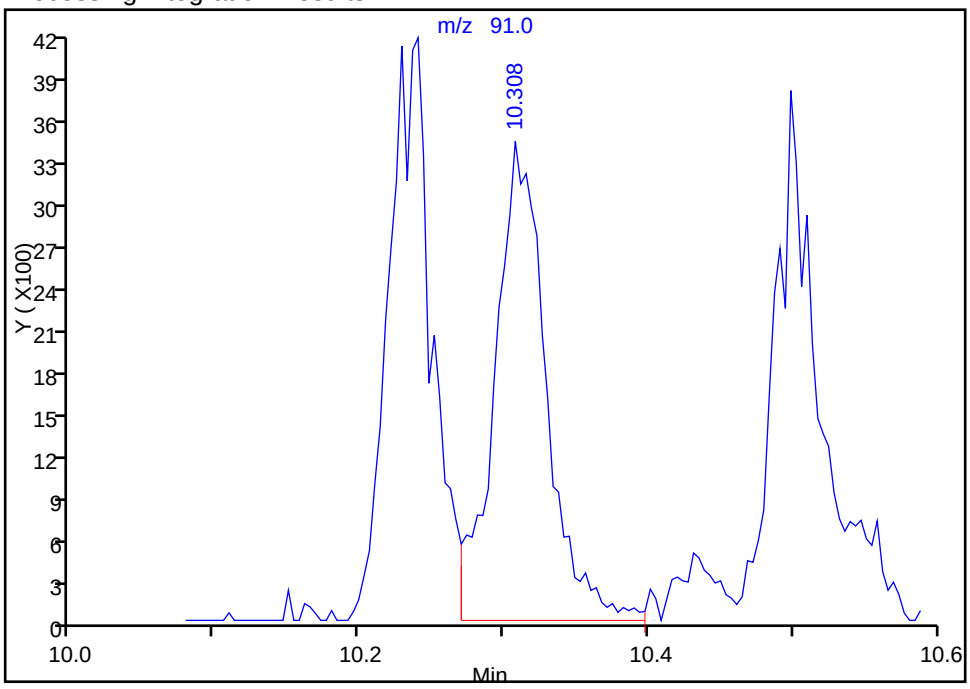
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15607.D
Injection Date: 30-Sep-2016 16:44:30 Instrument ID: CVOAMS12
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

107 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

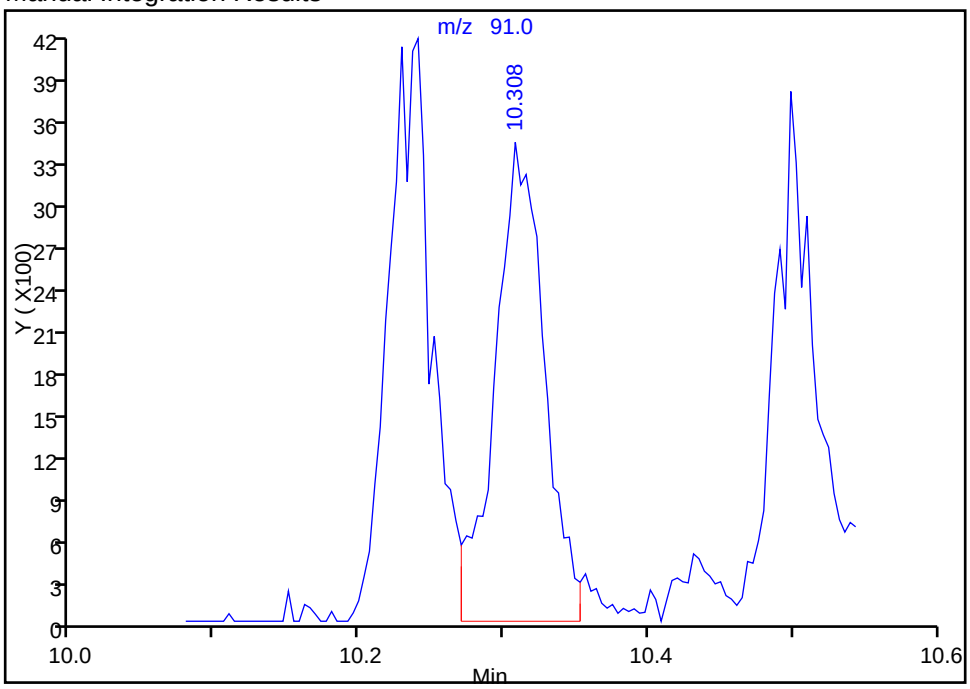
Processing Integration Results

RT: 10.31
Area: 8513
Amount: 1.288158
Amount Units: ug/l



Manual Integration Results

RT: 10.31
Area: 8163
Amount: 1.150123
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:53:41
Audit Action: Assigned Compound ID Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

TestAmerica Edison

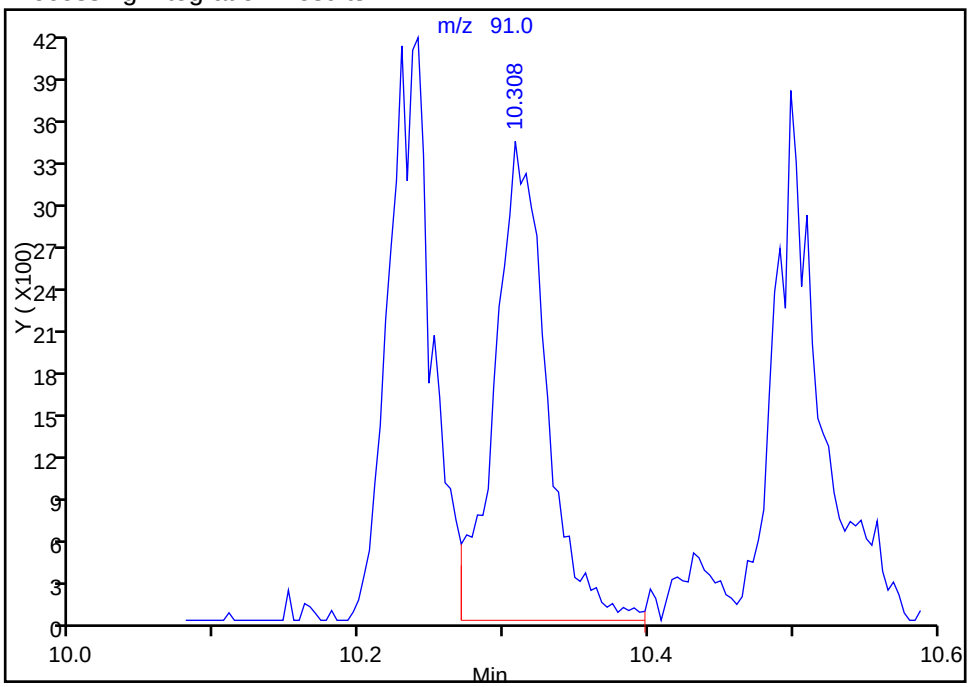
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15607.D
Injection Date: 30-Sep-2016 16:44:30 Instrument ID: CVOAMS12
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

107 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

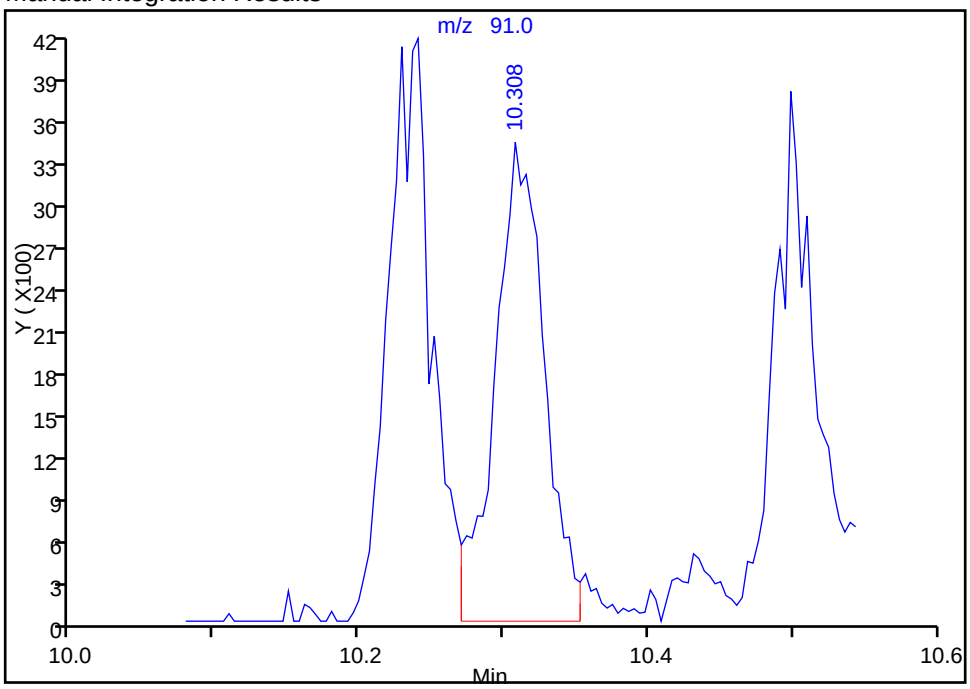
Processing Integration Results

RT: 10.31
Area: 8513
Amount: 1.288158
Amount Units: ug/l



Manual Integration Results

RT: 10.31
Area: 8163
Amount: 1.150123
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:53:41
Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

TestAmerica Edison

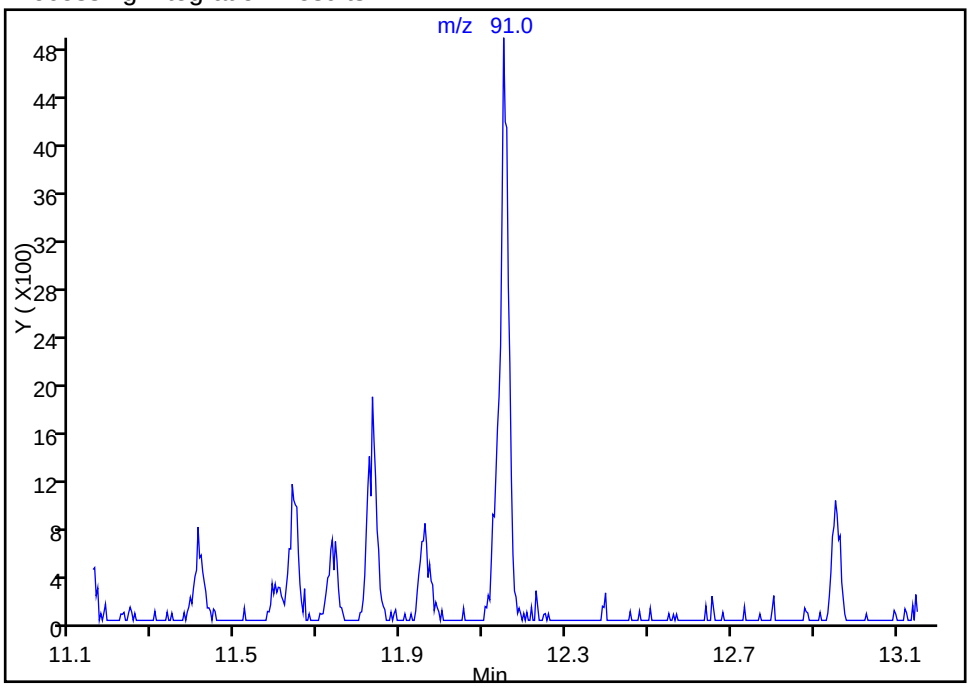
Data File:	\\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15607.D		
Injection Date:	30-Sep-2016 16:44:30	Instrument ID:	CVOAMS12
Lims ID:	STD1		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

123 n-Butylbenzene, CAS: 104-51-8

Signal: 1

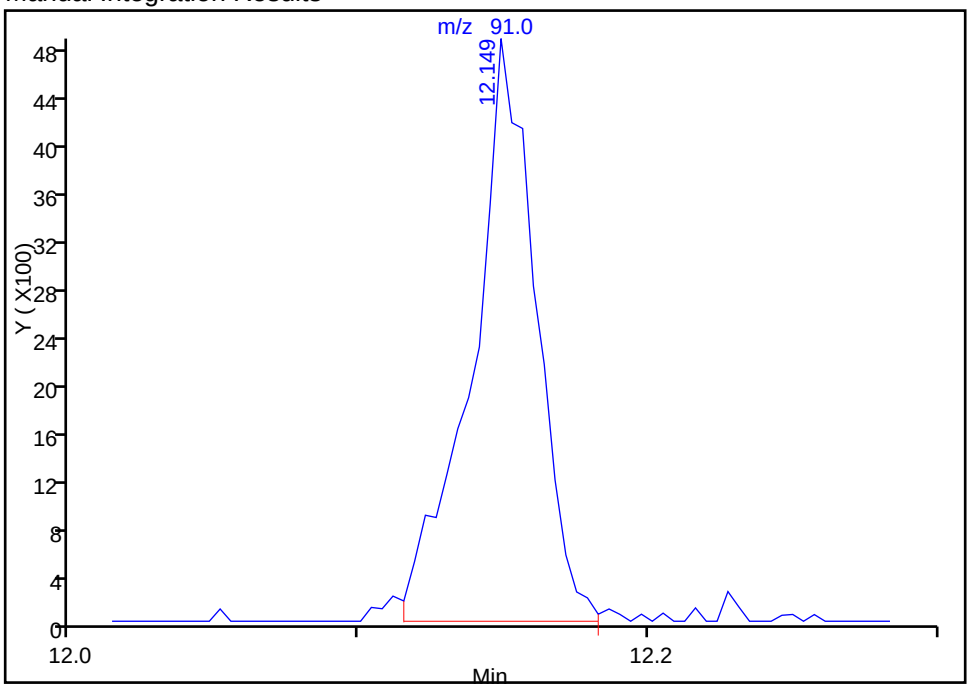
Not Detected
Expected RT: 12.15

Processing Integration Results



Manual Integration Results

RT: 12.15
Area: 7498
Amount: 1.234933
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:29:53
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

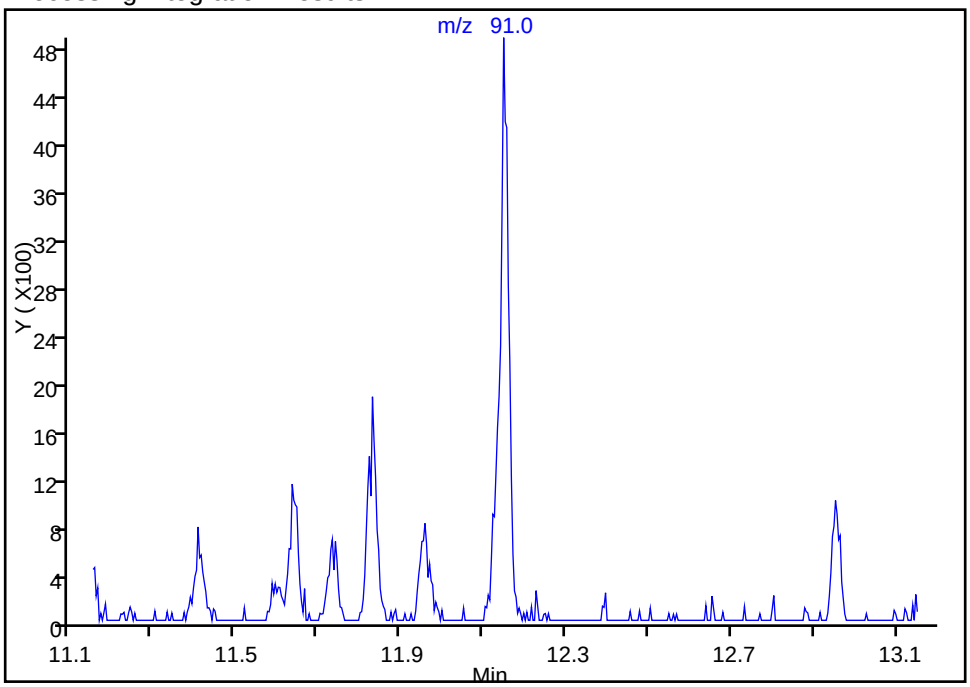
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15607.D
Injection Date: 30-Sep-2016 16:44:30 Instrument ID: CVOAMS12
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

123 n-Butylbenzene, CAS: 104-51-8

Signal: 1

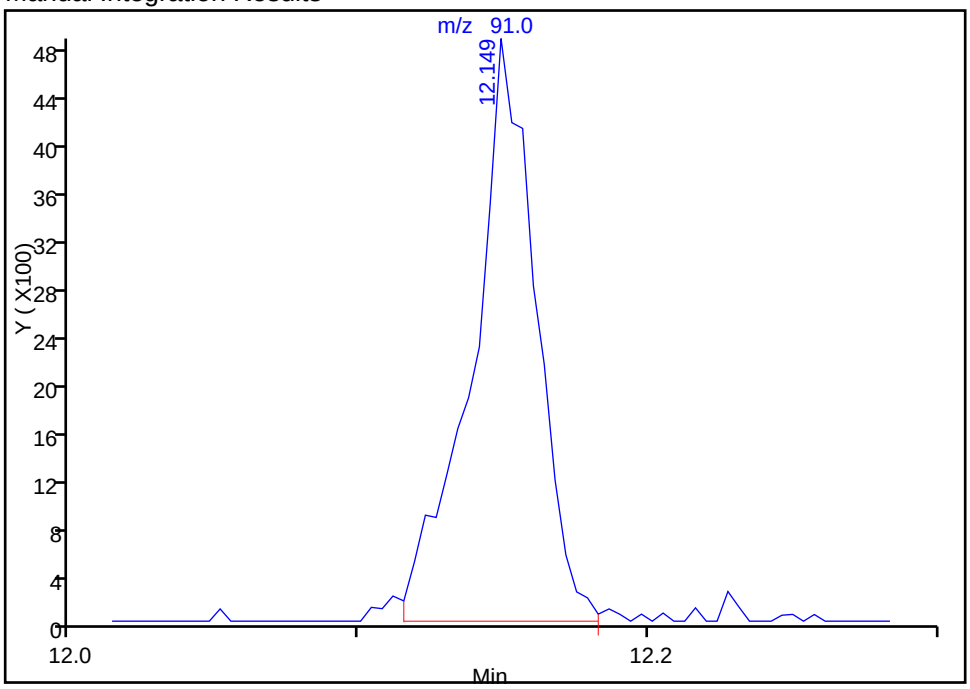
Not Detected
Expected RT: 12.15

Processing Integration Results



Manual Integration Results

RT: 12.15
Area: 7498
Amount: 1.234933
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:53:41
Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15608.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 30-Sep-2016 17:12:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0046245-004
Operator ID: Instrument ID: CVOAMS12
Sublist: chrom-8260W_12*sub10

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 01-Oct-2016 17:18:39 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK002

First Level Reviewer: kluseys Date: 30-Sep-2016 20:39:26

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	66	0.975	0.974	0.001	82	2036	5.00	4.95	
2	Dichlorodifluoromethane	85	0.993	0.993	0.000	99	20005	5.00	5.19	
3	Chloromethane	50	1.143	1.143	0.000	97	20531	5.00	5.50	
4	Vinyl chloride	62	1.165	1.169	-0.004	98	19974	5.00	5.35	
5	Butadiene	54	1.188	1.188	0.000	96	18281	5.00	5.46	
6	Bromomethane	94	1.360	1.356	0.004	97	3462	5.00	5.76	
7	Chloroethane	64	1.416	1.416	0.000	98	8868	5.00	6.12	M
8	Dichlorofluoromethane	67	1.536	1.532	0.004	98	30339	5.00	5.48	
9	Trichlorofluoromethane	101	1.570	1.570	0.000	96	20750	5.00	5.51	
10	Pentane	72	1.618	1.618	0.000	96	4342	10.0	10.7	
11	Ethanol	46	1.697	1.697	0.000	98	4972	200.0	212.5	
12	Ethyl ether	59	1.753	1.749	0.004	94	15959	5.00	5.56	
13	1,2-Dichloro-1,1,2-trifluo	117	1.757	1.749	0.008	92	11222	5.00	5.43	
14	2-Methyl-1,3-butadiene	53	1.760	1.760	0.000	98	14199	5.00	5.40	
15	Acrolein	56	1.820	1.824	-0.004	95	9710	20.0	19.7	
16	1,1-Dichloroethene	96	1.884	1.884	0.000	96	12249	5.00	5.25	
17	1,1,2-Trichloro-1,2,2-trif	101	1.895	1.891	0.004	75	11246	5.00	5.40	
18	Acetone	58	1.925	1.929	-0.004	84	11227	25.0	26.9	
19	Iodomethane	142	1.985	1.981	0.004	99	6231	5.00	2.52	
21	Carbon disulfide	76	2.026	2.022	0.004	100	36697	5.00	5.01	
20	Isopropyl alcohol	45	2.022	2.034	-0.012	40	14493	50.0	54.9	
22	3-Chloro-1-propene	76	2.123	2.120	0.003	90	8866	5.00	5.36	
23	Acetonitrile	41	2.120	2.120	0.000	81	56147	50.0	53.4	
24	Methyl acetate	74	2.138	2.138	0.000	100	16335	25.0	28.8	
25	Cyclopentene	67	2.176	2.176	0.000	96	34858	5.00	5.24	
26	Methylene Chloride	84	2.202	2.202	0.000	97	15708	5.00	5.33	
* 27	TBA-d9 (IS)	65	2.239	2.243	-0.004	98	331303	1000.0	1000.0	
28	2-Methyl-2-propanol	59	2.299	2.303	-0.004	96	22246	50.0	49.9	
29	Acrylonitrile	53	2.370	2.370	0.000	94	74755	50.0	57.8	
30	trans-1,2-Dichloroethene	96	2.393	2.393	0.000	97	15859	5.00	5.58	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Methyl tert-butyl ether	73	2.400	2.404	-0.004	97	52986	5.00	5.31	
32 Hexane	57	2.599	2.599	0.000	93	13371	5.00	5.16	
33 1,1-Dichloroethane	63	2.696	2.696	0.000	100	30782	5.00	5.64	
34 Vinyl acetate	86	2.745	2.748	-0.003	100	6160	10.0	10.9	
35 Isopropyl ether	45	2.763	2.767	-0.004	83	55829	5.00	5.21	M
36 2-Chloro-1,3-butadiene	88	2.771	2.771	0.000	70	13967	5.00	5.30	
37 Tert-butyl ethyl ether	59	3.055	3.055	0.000	89	53848	5.00	5.24	
* 38 2-Butanone-d5	46	3.126	3.126	0.000	30	385204	250.0	250.0	
40 cis-1,2-Dichloroethene	96	3.153	3.152	0.001	98	18081	5.00	5.62	
39 2,2-Dichloropropane	97	3.156	3.156	0.000	66	5131	5.00	5.37	
41 2-Butanone (MEK)	72	3.175	3.175	0.000	100	11856	25.0	26.2	
42 Propionitrile	54	3.220	3.216	0.004	98	28985	50.0	55.1	
43 Ethyl acetate	70	3.239	3.235	0.004	100	3873	10.0	10.5	
44 Methyl acrylate	55	3.261	3.265	-0.004	98	17368	5.00	5.01	
45 Methacrylonitrile	67	3.351	3.347	0.004	96	74773	50.0	54.0	
46 Chlorobromomethane	128	3.355	3.351	0.004	48	8528	5.00	5.77	
47 Tetrahydrofuran	42	3.400	3.403	-0.003	48	14198	10.0	11.1	
48 Chloroform	83	3.429	3.429	0.000	98	27401	5.00	5.47	
$ 49 Dibromofluoromethane (Surr	113	3.568	3.568	0.000	97	121054	50.0	48.6	
50 1,1,1-Trichloroethane	97	3.587	3.587	0.000	98	21315	5.00	5.37	
51 Cyclohexane	56	3.639	3.639	0.000	94	20099	5.00	5.17	
53 Carbon tetrachloride	117	3.740	3.740	0.000	70	12872	5.00	4.49	
52 1,1-Dichloropropene	75	3.740	3.740	0.000	93	20125	5.00	5.50	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.871	3.871	0.000	98	171416	50.0	50.4	
55 Isobutyl alcohol	43	3.886	3.886	0.000	41	20273	125.0	125.6	
56 Benzene	78	3.927	3.927	0.000	96	63234	5.00	5.70	
57 1,2-Dichloroethane	62	3.942	3.942	0.000	96	24614	5.00	5.44	
58 Isooctane	57	4.028	4.028	0.000	71	22761	5.00	5.14	
59 Isopropyl acetate	43	4.032	4.036	-0.004	93	53139	5.00	5.01	
60 Tert-amyl methyl ether	73	4.058	4.058	0.000	95	44831	5.00	5.23	
* 61 Fluorobenzene	96	4.204	4.204	0.000	99	513907	50.0	50.0	
62 n-Heptane	43	4.223	4.223	0.000	47	9908	5.00	5.09	
63 n-Butanol	56	4.563	4.556	0.007	90	11096	125.0	120.1	
64 Trichloroethene	95	4.582	4.578	0.004	85	14817	5.00	5.40	M
65 Ethyl acrylate	55	4.736	4.728	0.008	99	19740	5.00	4.97	
66 Methylcyclohexane	83	4.788	4.784	0.004	94	13582	5.00	5.18	
67 1,2-Dichloropropane	63	4.810	4.810	0.000	89	15278	5.00	5.18	
* 68 1,4-Dioxane-d8	96	4.934	4.923	0.011	89	39594	1000.0	1000.0	
69 Dibromomethane	93	4.930	4.930	0.000	96	9722	5.00	5.50	
71 Methyl methacrylate	100	4.986	4.982	0.004	94	8765	10.0	10.2	
70 1,4-Dioxane	88	4.986	4.982	0.004	62	5126	100.0	111.4	
72 n-Propyl acetate	43	5.069	5.065	0.004	99	23286	5.00	4.96	
73 Dichlorobromomethane	83	5.125	5.125	0.000	98	16317	5.00	4.92	
74 2-Nitropropane	41	5.390	5.390	0.000	98	6998	10.0	8.56	
75 2-Chloroethyl vinyl ether	63	5.510	5.510	0.000	94	8292	5.00	5.45	
76 Epichlorohydrin	57	5.559	5.559	0.000	99	38091	100.0	111.3	
77 cis-1,3-Dichloropropene	75	5.660	5.656	0.004	97	22542	5.00	5.31	
78 4-Methyl-2-pentanone (MIBK	43	5.877	5.877	0.000	99	83214	25.0	27.6	
$ 79 Toluene-d8 (Surr)	98	5.985	5.985	0.000	99	429414	50.0	48.4	
80 Toluene	91	6.068	6.064	0.004	93	58433	5.00	5.65	
81 trans-1,3-Dichloropropene	75	6.371	6.375	-0.004	97	18724	5.00	5.05	
82 Ethyl methacrylate	69	6.554	6.550	0.004	91	18078	5.00	5.25	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 1,1,2-Trichloroethane	83	6.599	6.599	0.000	92	10863	5.00	5.54	M
84 Tetrachloroethene	166	6.771	6.771	0.000	94	13324	5.00	5.59	
85 1,3-Dichloropropane	76	6.820	6.816	0.004	96	23363	5.00	5.55	
86 2-Hexanone	43	6.988	6.992	-0.004	99	60805	25.0	28.0	
87 Chlorodibromomethane	129	7.112	7.112	0.000	96	10223	5.00	4.70	
88 n-Butyl acetate	43	7.217	7.213	0.004	98	24784	5.00	5.44	
89 Ethylene Dibromide	107	7.243	7.243	0.000	97	13142	5.00	5.41	
* 90 Chlorobenzene-d5	117	7.931	7.931	0.000	88	361918	50.0	50.0	
91 Chlorobenzene	112	7.969	7.972	-0.003	92	36292	5.00	5.52	
92 1,1,1,2-Tetrachloroethane	131	8.111	8.111	0.000	92	10015	5.00	4.71	
93 Ethylbenzene	106	8.178	8.175	0.003	99	18687	5.00	5.51	
94 m-Xylene & p-Xylene	106	8.365	8.362	0.003	97	22808	5.00	5.58	
95 o-Xylene	106	8.957	8.949	0.008	94	22737	5.00	5.59	
96 Styrene	104	8.987	8.983	0.004	96	35774	5.00	5.42	
97 n-Butyl acrylate	73	9.028	9.028	0.000	99	9402	5.00	5.10	
98 Bromoform	173	9.207	9.211	-0.004	97	5965	5.00	4.28	
99 Amyl acetate (mixed isomer	43	9.421	9.421	0.000	90	25605	5.00	5.11	
100 Isopropylbenzene	105	9.563	9.563	0.000	96	51194	5.00	5.57	
$ 101 4-Bromofluorobenzene	174	9.769	9.769	0.000	90	144249	50.0	51.0	
102 Bromobenzene	156	9.960	9.960	0.000	96	16729	5.00	5.59	
103 1,1,2,2-Tetrachloroethane	83	10.068	10.068	0.000	98	16142	5.00	5.32	
104 1,2,3-Trichloropropane	110	10.091	10.087	0.004	96	5324	5.00	5.45	
105 trans-1,4-Dichloro-2-buten	53	10.169	10.169	0.000	76	4898	5.00	4.95	
106 N-Propylbenzene	91	10.237	10.233	0.004	98	50840	5.00	5.21	
107 2-Chlorotoluene	91	10.308	10.311	-0.003	98	43225	5.00	5.69	
108 4-Ethyltoluene	105	10.431	10.435	-0.004	99	45436	5.00	5.27	
109 4-Chlorotoluene	91	10.502	10.498	0.004	98	44098	5.00	5.78	
110 1,3,5-Trimethylbenzene	105	10.547	10.551	-0.004	93	42661	5.00	5.79	
111 Butyl Methacrylate	87	10.817	10.820	-0.003	95	15477	5.00	5.14	
112 tert-Butylbenzene	119	11.075	11.067	0.008	95	27365	5.00	5.18	
113 1,2,4-Trimethylbenzene	105	11.146	11.146	0.000	97	44405	5.00	5.65	
114 sec-Butylbenzene	105	11.408	11.415	-0.007	99	33081	5.00	4.98	
115 1,3-Dichlorobenzene	146	11.498	11.498	0.000	96	27838	5.00	5.59	
* 116 1,4-Dichlorobenzene-d4	152	11.599	11.599	0.000	96	190842	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.629	11.629	0.000	94	26419	5.00	5.33	
118 4-Isopropyltoluene	119	11.640	11.640	0.000	97	31833	5.00	5.28	
119 Benzyl chloride	126	11.835	11.831	0.004	97	3880	5.00	4.35	
120 2,3-Dihydroindene	117	11.958	11.958	0.000	95	47987	5.00	5.46	
121 1,2-Dichlorobenzene	146	12.085	12.081	0.004	94	26416	5.00	5.43	
122 p-Diethylbenzene	119	12.130	12.126	0.004	93	20342	5.00	5.55	
123 n-Butylbenzene	91	12.153	12.153	0.000	99	35837	5.00	5.51	
124 1,2-Dibromo-3-Chloropropan	75	12.938	12.935	0.003	92	3027	5.00	4.88	
125 1,2,4,5-Tetramethylbenzene	119	12.953	12.953	0.000	96	40678	5.00	5.82	
126 1,3,5-Trichlorobenzene	180	13.144	13.152	-0.008	96	17172	5.00	5.90	
127 1,2,4-Trichlorobenzene	180	13.698	13.698	0.000	92	17837	5.00	5.78	
128 Hexachlorobutadiene	225	13.874	13.870	0.004	94	4714	5.00	5.16	
129 Naphthalene	128	13.893	13.889	0.004	99	53814	5.00	6.09	
130 1,2,3-Trichlorobenzene	180	14.099	14.095	0.004	95	16817	5.00	5.72	
S 131 1,2-Dichloroethene, Total	100				0		10.0	11.2	
S 132 Xylenes, Total	100				0		10.0	11.2	
S 133 Total BTEX	1				0		25.0	28.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS Hi_00167	Amount Added:	1.00	Units: uL	
ACROLEIN W_00056	Amount Added:	4.00	Units: uL	
MIX I Hi_00063	Amount Added:	1.00	Units: uL	
MIX 2 Hi_00048	Amount Added:	1.00	Units: uL	
8260ISNEW_00090	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00139	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 01-Oct-2016 17:18:41 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15608.D

Injection Date: 30-Sep-2016 17:12:30 Instrument ID: CVOAMS12 Operator ID:

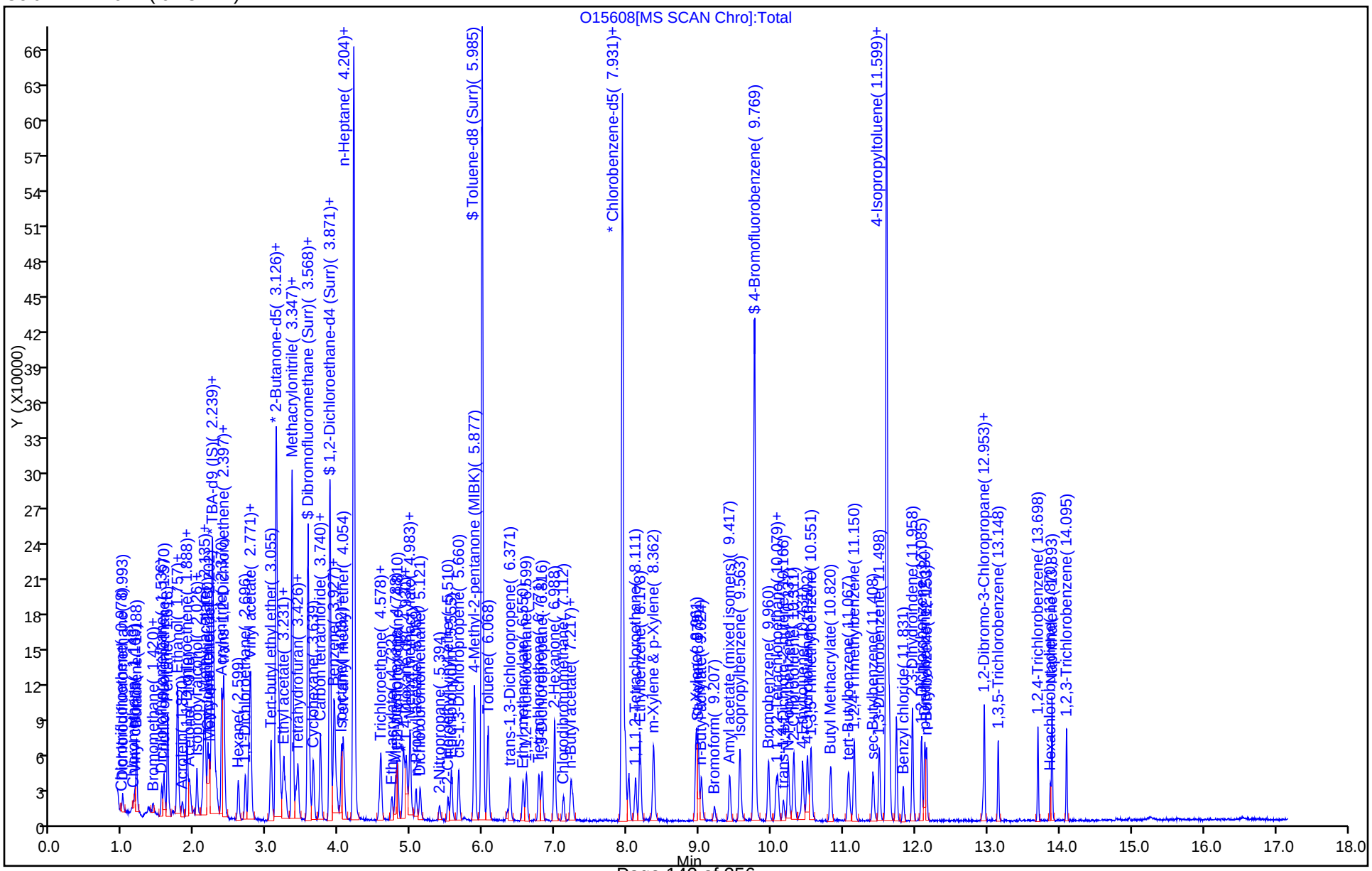
Lims ID: STD5 Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



TestAmerica Edison

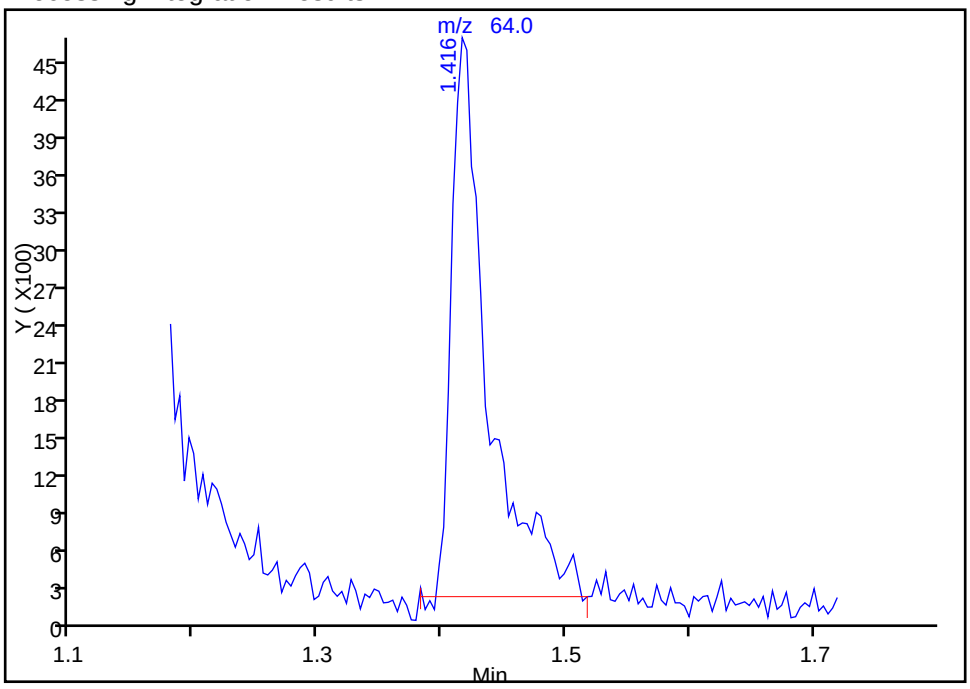
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15608.D
Injection Date: 30-Sep-2016 17:12:30 Instrument ID: CVOAMS12
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

7 Chloroethane, CAS: 75-00-3

Signal: 1

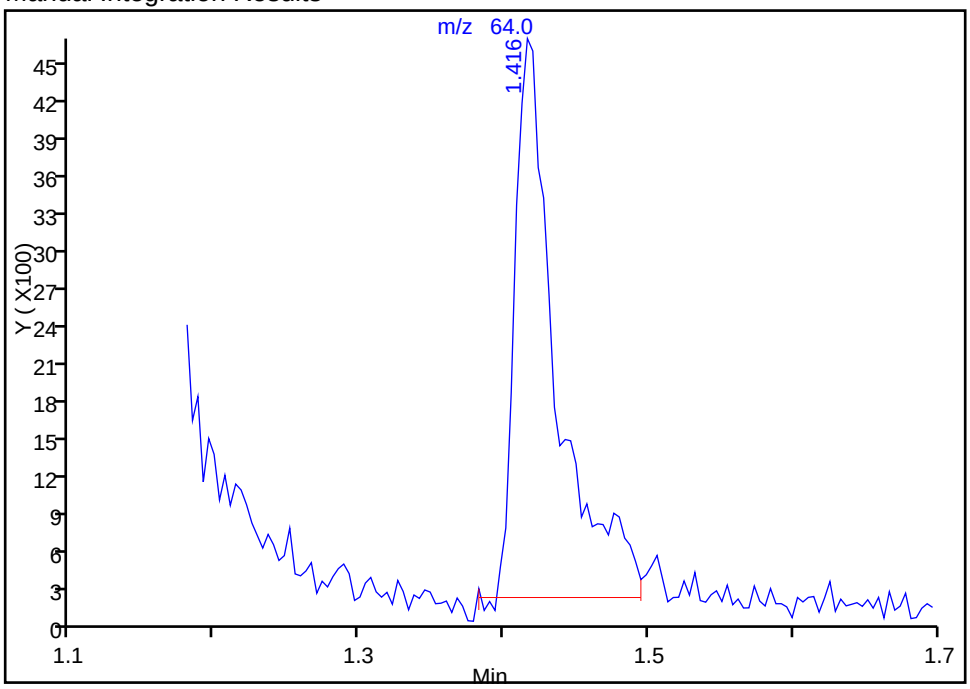
Processing Integration Results

RT: 1.42
Area: 9066
Amount: 7.484681
Amount Units: ug/l



Manual Integration Results

RT: 1.42
Area: 8868
Amount: 6.122838
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:44:34
Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

TestAmerica Edison

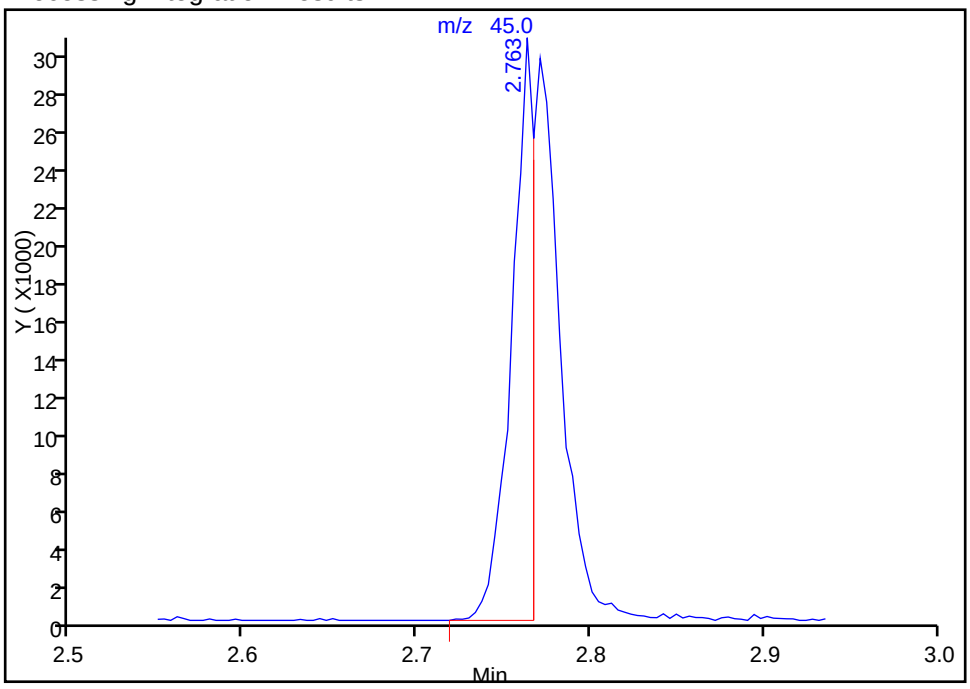
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15608.D
Injection Date: 30-Sep-2016 17:12:30 Instrument ID: CVOAMS12
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

35 Isopropyl ether, CAS: 108-20-3

Signal: 1

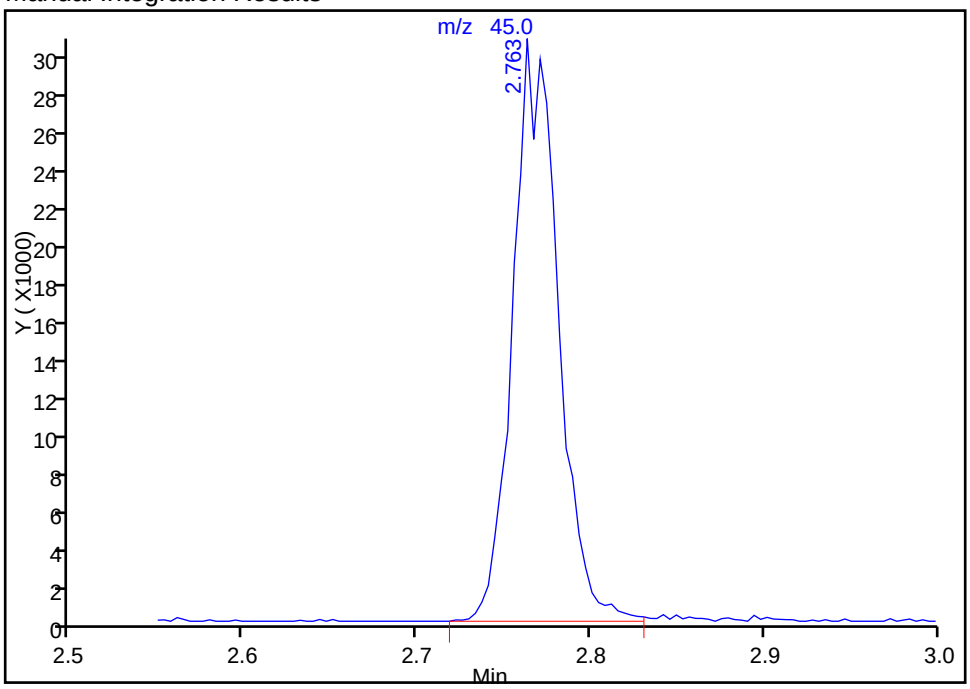
Processing Integration Results

RT: 2.76
Area: 27879
Amount: 2.681905
Amount Units: ug/l



Manual Integration Results

RT: 2.76
Area: 55829
Amount: 5.213406
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:32:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison

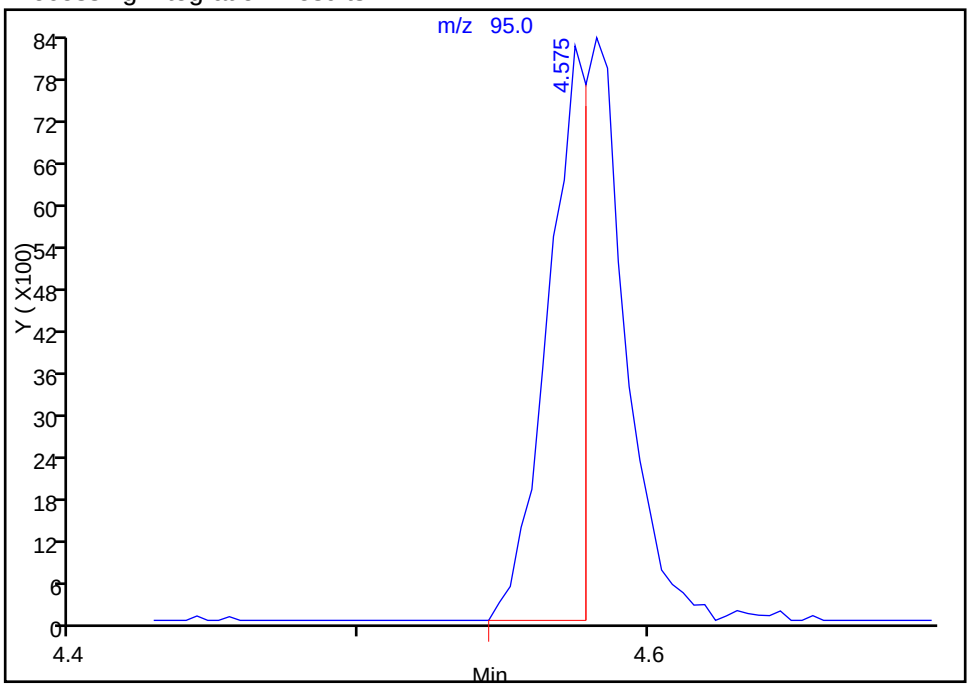
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15608.D
Injection Date: 30-Sep-2016 17:12:30 Instrument ID: CVOAMS12
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

64 Trichloroethene, CAS: 79-01-6

Signal: 1

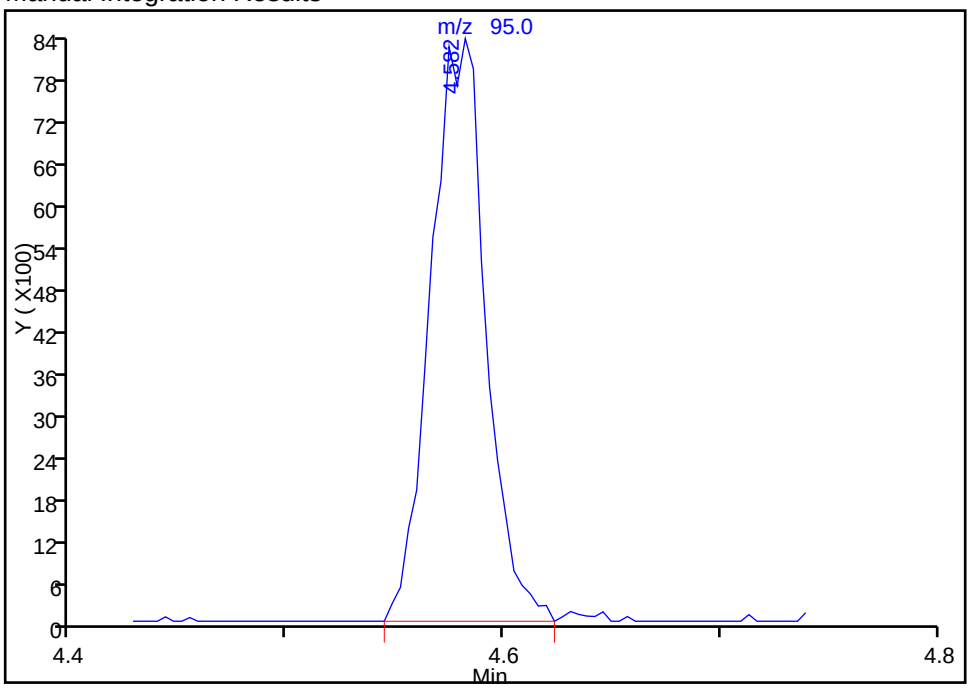
Processing Integration Results

RT: 4.57
Area: 7933
Amount: 2.941552
Amount Units: ug/l



Manual Integration Results

RT: 4.58
Area: 14817
Amount: 5.400333
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:32:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison

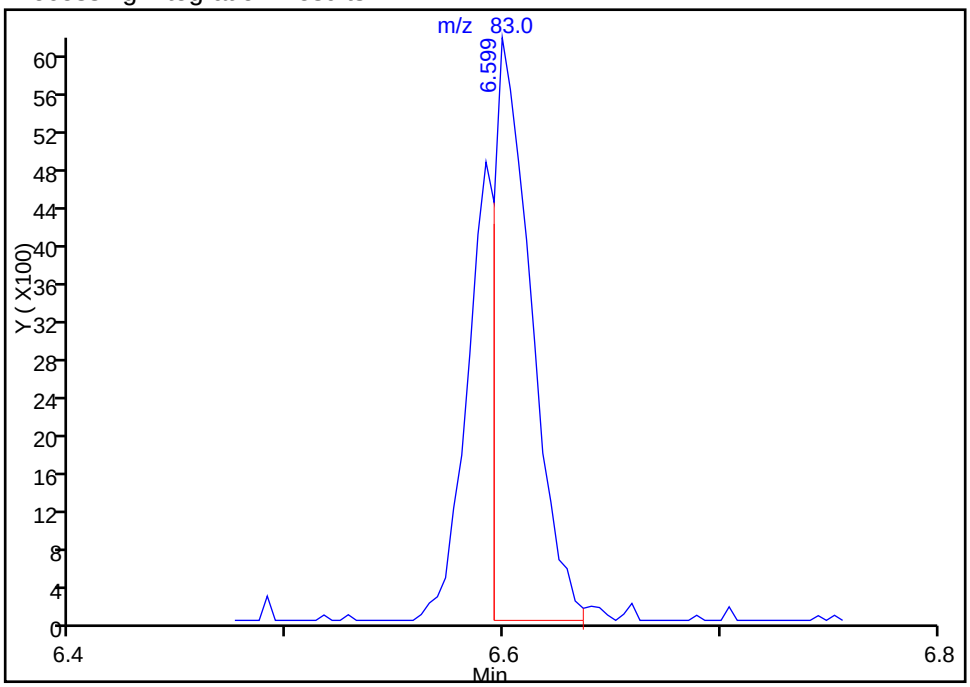
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15608.D
Injection Date: 30-Sep-2016 17:12:30 Instrument ID: CVOAMS12
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

83 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

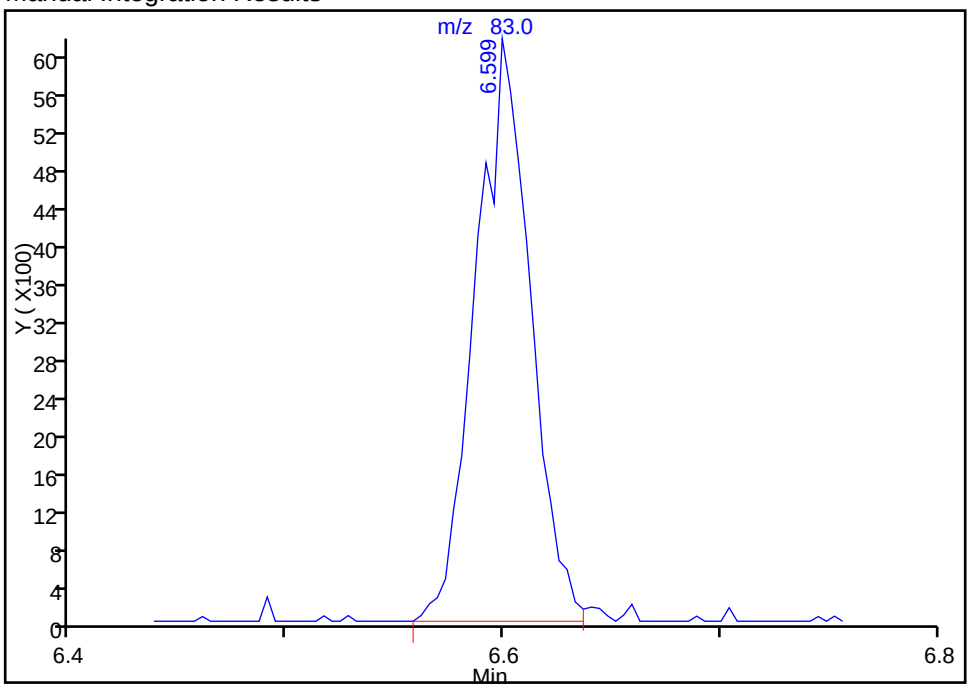
Processing Integration Results

RT: 6.60
Area: 7340
Amount: 3.979142
Amount Units: ug/l



Manual Integration Results

RT: 6.60
Area: 10863
Amount: 5.536550
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:32:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15609.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 30-Sep-2016 17:40:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0046245-005
Operator ID: Instrument ID: CVOAMS12
Sublist: chrom-8260W_12*sub10

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 01-Oct-2016 17:18:48 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK002

First Level Reviewer: kluseys Date: 30-Sep-2016 20:42:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.974	0.974	0.000	87	7395	20.0	18.6	
2 Dichlorodifluoromethane	85	0.993	0.993	0.000	98	81164	20.0	21.8	
3 Chloromethane	50	1.143	1.143	0.000	97	76266	20.0	21.1	
4 Vinyl chloride	62	1.169	1.169	0.000	98	77115	20.0	21.4	
5 Butadiene	54	1.188	1.188	0.000	95	70092	20.0	21.6	
6 Bromomethane	94	1.356	1.356	0.000	94	9199	20.0	14.9	M
7 Chloroethane	64	1.416	1.416	0.000	98	27567	20.0	19.7	
8 Dichlorofluoromethane	67	1.532	1.532	0.000	98	110064	20.0	20.5	
9 Trichlorofluoromethane	101	1.570	1.570	0.000	99	78336	20.0	21.5	
10 Pentane	72	1.618	1.618	0.000	94	17251	40.0	44.0	
11 Ethanol	46	1.697	1.697	0.000	95	18486	800.0	801.4	
12 Ethyl ether	59	1.749	1.749	0.000	91	57846	20.0	20.8	
13 1,2-Dichloro-1,1,2-trifluo	117	1.749	1.749	0.000	89	42909	20.0	21.5	
14 2-Methyl-1,3-butadiene	53	1.760	1.760	0.000	99	54473	20.0	21.4	
15 Acrolein	56	1.824	1.824	0.000	95	19037	40.0	39.1	
16 1,1-Dichloroethene	96	1.884	1.884	0.000	95	45965	20.0	20.4	
17 1,1,2-Trichloro-1,2,2-trif	101	1.891	1.891	0.000	98	41799	20.0	20.7	
18 Acetone	58	1.929	1.929	0.000	85	43577	100.0	101.6	
19 Iodomethane	142	1.981	1.981	0.000	99	31858	20.0	13.3	
21 Carbon disulfide	76	2.022	2.022	0.000	100	143045	20.0	20.2	
20 Isopropyl alcohol	45	2.034	2.034	0.000	43	52858	200.0	203.1	
22 3-Chloro-1-propene	76	2.120	2.120	0.000	91	33001	20.0	20.6	
23 Acetonitrile	41	2.120	2.120	0.000	81	212325	200.0	205.0	
24 Methyl acetate	74	2.138	2.138	0.000	99	58159	100.0	104.1	
25 Cyclopentene	67	2.176	2.176	0.000	96	140145	20.0	21.8	
26 Methylene Chloride	84	2.202	2.202	0.000	98	60817	20.0	21.3	
* 27 TBA-d9 (IS)	65	2.243	2.243	0.000	97	326540	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.303	2.303	0.000	99	84033	200.0	212.8	
29 Acrylonitrile	53	2.370	2.370	0.000	93	278759	200.0	222.7	
30 trans-1,2-Dichloroethene	96	2.393	2.393	0.000	97	58780	20.0	21.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Methyl tert-butyl ether	73	2.404	2.404	0.000	97	206743	20.0	21.4	
32 Hexane	57	2.599	2.599	0.000	93	53531	20.0	21.4	
33 1,1-Dichloroethane	63	2.696	2.696	0.000	100	109367	20.0	20.7	
34 Vinyl acetate	86	2.748	2.748	0.000	100	23972	40.0	43.8	
35 Isopropyl ether	45	2.767	2.767	0.000	89	231590	20.0	22.3	
36 2-Chloro-1,3-butadiene	88	2.771	2.771	0.000	84	55966	20.0	21.9	
37 Tert-butyl ethyl ether	59	3.055	3.055	0.000	88	220482	20.0	22.2	
* 38 2-Butanone-d5	46	3.126	3.126	0.000	32	395171	250.0	250.0	
40 cis-1,2-Dichloroethene	96	3.152	3.152	0.000	92	68282	20.0	21.9	
39 2,2-Dichloropropane	97	3.156	3.156	0.000	74	19317	20.0	20.9	
41 2-Butanone (MEK)	72	3.175	3.175	0.000	98	49129	100.0	105.7	
42 Propionitrile	54	3.216	3.216	0.000	98	111401	200.0	215.0	
43 Ethyl acetate	70	3.235	3.235	0.000	99	14838	40.0	39.2	
44 Methyl acrylate	55	3.265	3.265	0.000	99	70123	20.0	20.9	
45 Methacrylonitrile	67	3.347	3.347	0.000	94	302207	200.0	225.5	
46 Chlorobromomethane	128	3.351	3.351	0.000	93	31988	20.0	22.4	
47 Tetrahydrofuran	42	3.403	3.403	0.000	98	53038	40.0	40.2	
48 Chloroform	83	3.429	3.429	0.000	98	104028	20.0	21.5	
$ 49 Dibromofluoromethane (Surr	113	3.568	3.568	0.000	97	126531	50.0	52.5	
50 1,1,1-Trichloroethane	97	3.587	3.587	0.000	98	79302	20.0	20.6	
51 Cyclohexane	56	3.639	3.639	0.000	95	81402	20.0	21.6	
53 Carbon tetrachloride	117	3.740	3.740	0.000	77	55625	20.0	20.0	
52 1,1-Dichloropropene	75	3.740	3.740	0.000	91	72723	20.0	20.5	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.871	3.871	0.000	97	164716	50.0	50.0	
55 Isobutyl alcohol	43	3.886	3.886	0.000	96	81066	500.0	509.4	
56 Benzene	78	3.927	3.927	0.000	97	232174	20.0	20.8	M
57 1,2-Dichloroethane	62	3.942	3.942	0.000	98	93022	20.0	21.3	
58 Isooctane	57	4.028	4.028	0.000	98	89266	20.0	20.8	
59 Isopropyl acetate	43	4.036	4.036	0.000	97	210924	20.0	20.6	
60 Tert-amyl methyl ether	73	4.058	4.058	0.000	97	179707	20.0	21.7	
* 61 Fluorobenzene	96	4.204	4.204	0.000	98	497313	50.0	50.0	
62 n-Heptane	43	4.223	4.223	0.000	95	37603	20.0	20.0	
63 n-Butanol	56	4.556	4.556	0.000	95	43677	500.0	479.6	
64 Trichloroethene	95	4.578	4.578	0.000	98	57193	20.0	21.5	
65 Ethyl acrylate	55	4.728	4.728	0.000	98	77165	20.0	20.1	
66 Methylcyclohexane	83	4.784	4.784	0.000	96	53243	20.0	21.0	
67 1,2-Dichloropropane	63	4.810	4.810	0.000	90	59517	20.0	20.8	
* 68 1,4-Dioxane-d8	96	4.923	4.923	0.000	57	36881	1000.0	1000.0	
69 Dibromomethane	93	4.930	4.930	0.000	94	36171	20.0	21.1	
71 Methyl methacrylate	100	4.982	4.982	0.000	95	35225	40.0	42.6	
70 1,4-Dioxane	88	4.982	4.982	0.000	65	18797	400.0	438.4	
72 n-Propyl acetate	43	5.065	5.065	0.000	98	92760	20.0	20.4	
73 Dichlorobromomethane	83	5.125	5.125	0.000	99	68186	20.0	21.2	
74 2-Nitropropane	41	5.390	5.390	0.000	99	30313	40.0	38.3	
75 2-Chloroethyl vinyl ether	63	5.510	5.510	0.000	96	30662	20.0	20.8	
76 Epichlorohydrin	57	5.559	5.559	0.000	99	145550	400.0	414.5	
77 cis-1,3-Dichloropropene	75	5.656	5.656	0.000	98	89596	20.0	21.0	
78 4-Methyl-2-pentanone (MIBK	43	5.877	5.877	0.000	99	324415	100.0	104.8	
$ 79 Toluene-d8 (Surr)	98	5.985	5.985	0.000	99	454294	50.0	50.9	
80 Toluene	91	6.064	6.064	0.000	96	214521	20.0	20.7	
81 trans-1,3-Dichloropropene	75	6.375	6.375	0.000	97	79847	20.0	21.4	
82 Ethyl methacrylate	69	6.550	6.550	0.000	88	73723	20.0	21.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 1,1,2-Trichloroethane	83	6.599	6.599	0.000	94	43056	20.0	21.8	
84 Tetrachloroethene	166	6.771	6.771	0.000	97	49080	20.0	20.5	
85 1,3-Dichloropropane	76	6.816	6.816	0.000	96	88841	20.0	21.0	
86 2-Hexanone	43	6.992	6.992	0.000	98	239893	100.0	107.8	
87 Chlorodibromomethane	129	7.112	7.112	0.000	99	44916	20.0	20.6	
88 n-Butyl acetate	43	7.213	7.213	0.000	99	94213	20.0	20.6	
89 Ethylene Dibromide	107	7.243	7.243	0.000	98	50459	20.0	20.7	
* 90 Chlorobenzene-d5	117	7.931	7.931	0.000	87	363690	50.0	50.0	
91 Chlorobenzene	112	7.972	7.972	0.000	94	137739	20.0	20.9	
92 1,1,1,2-Tetrachloroethane	131	8.111	8.111	0.000	93	44471	20.0	20.8	
93 Ethylbenzene	106	8.175	8.175	0.000	99	70415	20.0	20.7	
94 m-Xylene & p-Xylene	106	8.362	8.362	0.000	96	86151	20.0	21.0	
95 o-Xylene	106	8.949	8.949	0.000	93	86368	20.0	21.1	
96 Styrene	104	8.983	8.983	0.000	95	145171	20.0	21.9	
97 n-Butyl acrylate	73	9.028	9.028	0.000	99	38161	20.0	20.6	
98 Bromoform	173	9.211	9.211	0.000	96	26072	20.0	18.6	
99 Amyl acetate (mixed isomer	43	9.421	9.421	0.000	89	103526	20.0	20.8	
100 Isopropylbenzene	105	9.563	9.563	0.000	96	196571	20.0	21.3	
$ 101 4-Bromofluorobenzene	174	9.769	9.769	0.000	91	141589	50.0	49.8	
102 Bromobenzene	156	9.960	9.960	0.000	97	63305	20.0	21.3	
103 1,1,2,2-Tetrachloroethane	83	10.068	10.068	0.000	98	65021	20.0	21.6	
104 1,2,3-Trichloropropane	110	10.087	10.087	0.000	96	20517	20.0	21.2	
105 trans-1,4-Dichloro-2-buten	53	10.169	10.169	0.000	85	20170	20.0	20.6	
106 N-Propylbenzene	91	10.233	10.233	0.000	99	211807	20.0	21.9	
107 2-Chlorotoluene	91	10.311	10.311	0.000	97	156802	20.0	20.8	
108 4-Ethyltoluene	105	10.435	10.435	0.000	99	179135	20.0	21.0	
109 4-Chlorotoluene	91	10.498	10.498	0.000	98	153820	20.0	20.4	
110 1,3,5-Trimethylbenzene	105	10.551	10.551	0.000	92	154586	20.0	21.2	
111 Butyl Methacrylate	87	10.820	10.820	0.000	93	60738	20.0	20.4	
112 tert-Butylbenzene	119	11.067	11.067	0.000	93	111772	20.0	21.4	
113 1,2,4-Trimethylbenzene	105	11.146	11.146	0.000	98	164784	20.0	21.2	
114 sec-Butylbenzene	105	11.415	11.415	0.000	99	137473	20.0	20.9	
115 1,3-Dichlorobenzene	146	11.498	11.498	0.000	96	104142	20.0	21.1	
* 116 1,4-Dichlorobenzene-d4	152	11.599	11.599	0.000	96	189018	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.629	11.629	0.000	96	102664	20.0	20.9	
118 4-Isopropyltoluene	119	11.640	11.640	0.000	97	120639	20.0	20.2	
119 Benzyl chloride	126	11.831	11.831	0.000	98	19126	20.0	19.8	
120 2,3-Dihydroindene	117	11.958	11.958	0.000	95	187714	20.0	21.6	
121 1,2-Dichlorobenzene	146	12.081	12.081	0.000	96	104474	20.0	21.7	
122 p-Diethylbenzene	119	12.126	12.126	0.000	92	73861	20.0	20.4	
123 n-Butylbenzene	91	12.153	12.153	0.000	92	130569	20.0	20.3	
124 1,2-Dibromo-3-Chloropropan	75	12.935	12.935	0.000	89	12099	20.0	19.7	
125 1,2,4,5-Tetramethylbenzene	119	12.953	12.953	0.000	97	153638	20.0	22.2	
126 1,3,5-Trichlorobenzene	180	13.152	13.152	0.000	96	56698	20.0	19.7	
127 1,2,4-Trichlorobenzene	180	13.698	13.698	0.000	93	65497	20.0	21.4	
128 Hexachlorobutadiene	225	13.870	13.870	0.000	94	18608	20.0	20.6	
129 Naphthalene	128	13.889	13.889	0.000	99	181058	20.0	20.7	
130 1,2,3-Trichlorobenzene	180	14.095	14.095	0.000	95	61428	20.0	21.1	
S 131 1,2-Dichloroethene, Total	100				0		40.0	43.3	
S 132 Xylenes, Total	100				0		40.0	42.1	
S 133 Total BTEX	1				0		100.0	104.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS Hi_00167	Amount Added:	2.00	Units: uL	
ACROLEIN W_00056	Amount Added:	4.00	Units: uL	
MIX I Hi_00063	Amount Added:	2.00	Units: uL	
MIX 2 Hi_00048	Amount Added:	2.00	Units: uL	
8260ISNEW_00090	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00139	Amount Added:	1.00	Units: uL	Run Reagent

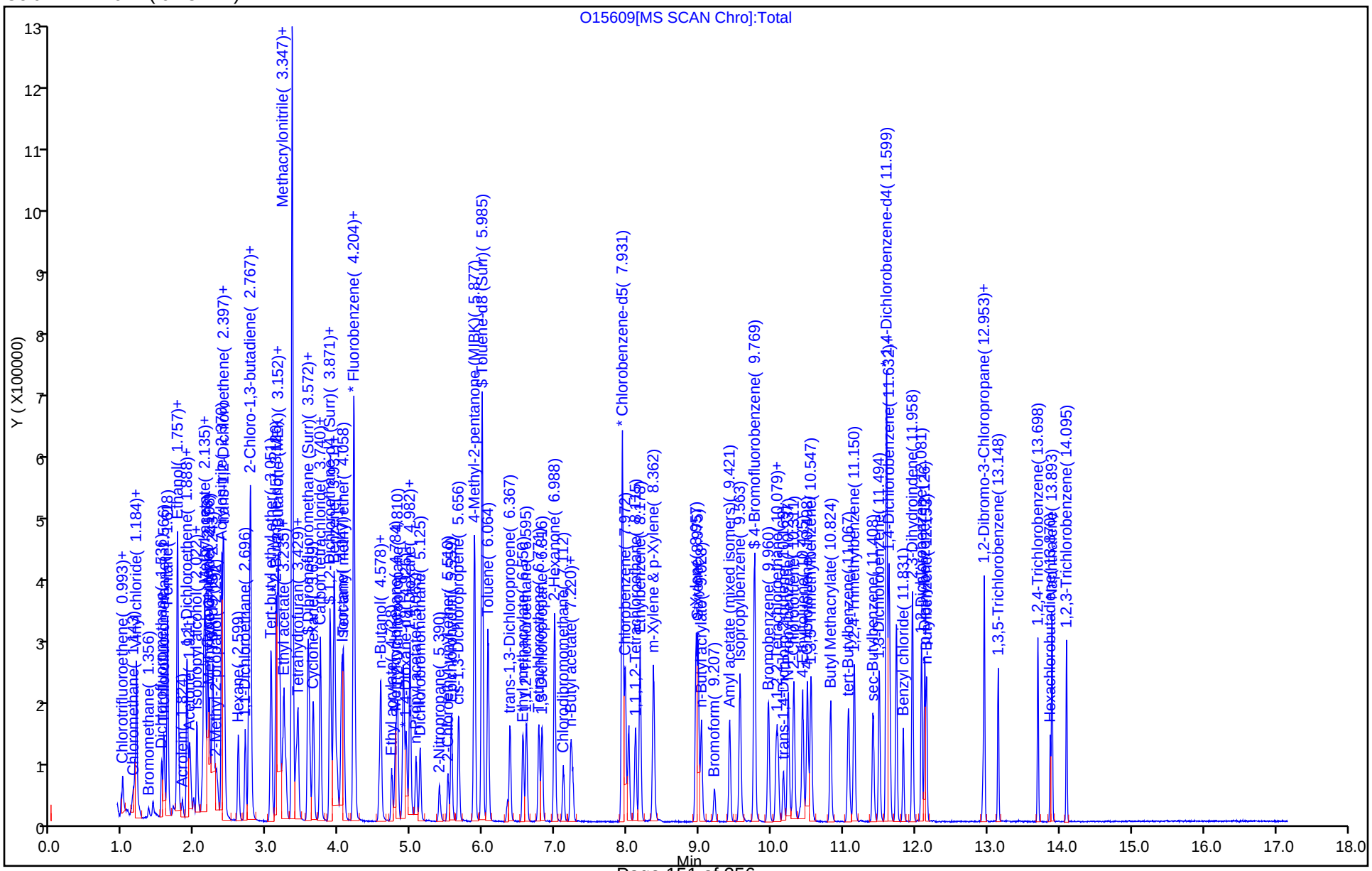
Report Date: 01-Oct-2016 17:18:49 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15609.D

Injection Date:	30-Sep-2016 17:40:30	Instrument ID:	CVOAMS12	Operator ID:	
Lims ID:	STD20			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



TestAmerica Edison

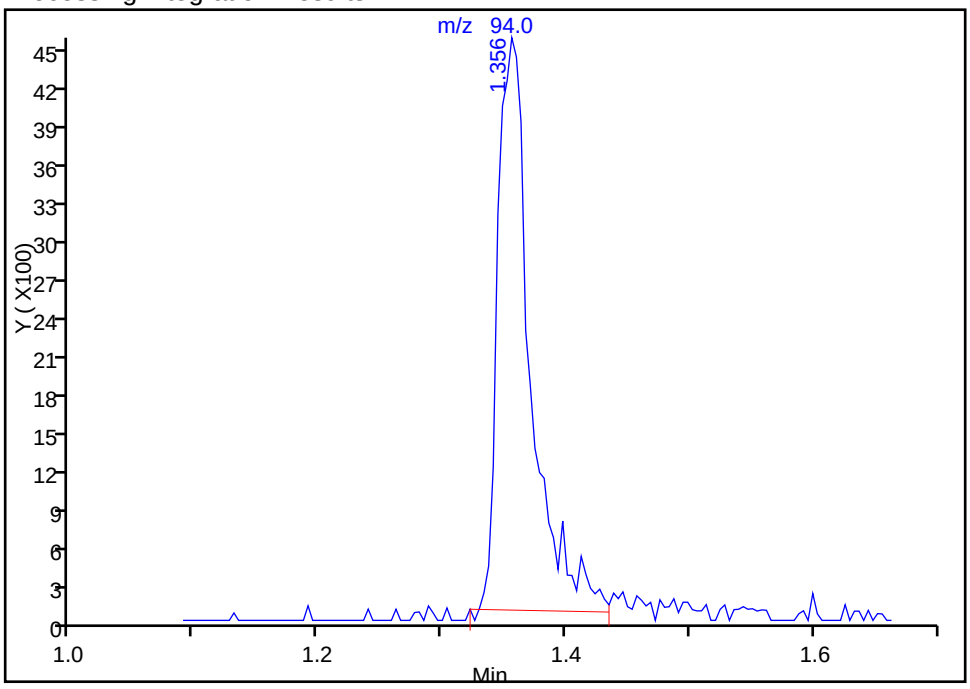
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15609.D
Injection Date: 30-Sep-2016 17:40:30 Instrument ID: CVOAMS12
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

6 Bromomethane, CAS: 74-83-9

Signal: 1

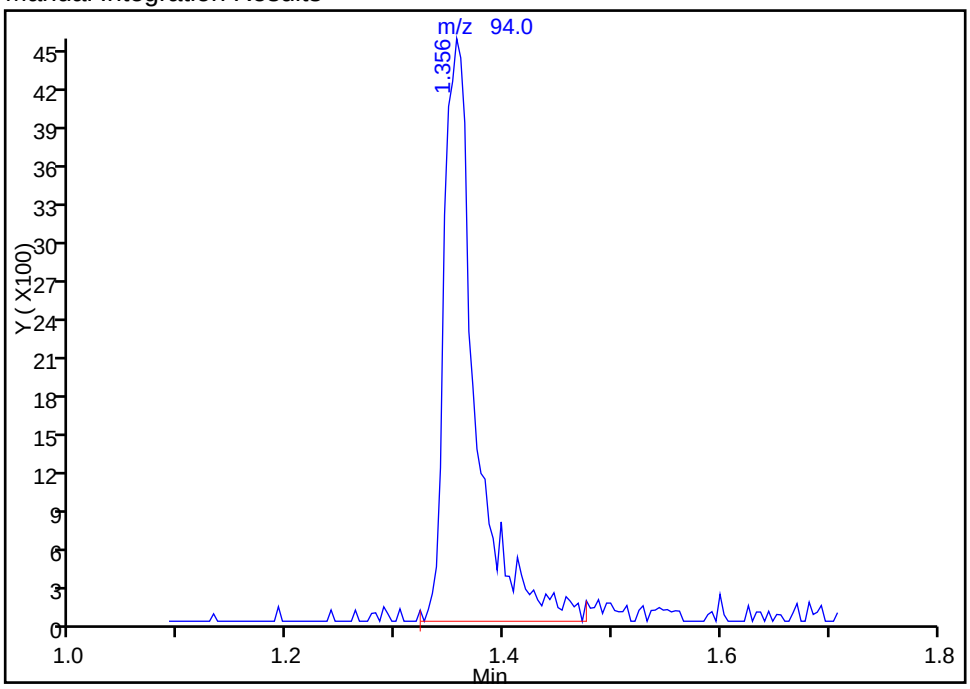
Processing Integration Results

RT: 1.36
Area: 8318
Amount: 14.695666
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 9199
Amount: 14.908873
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:45:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

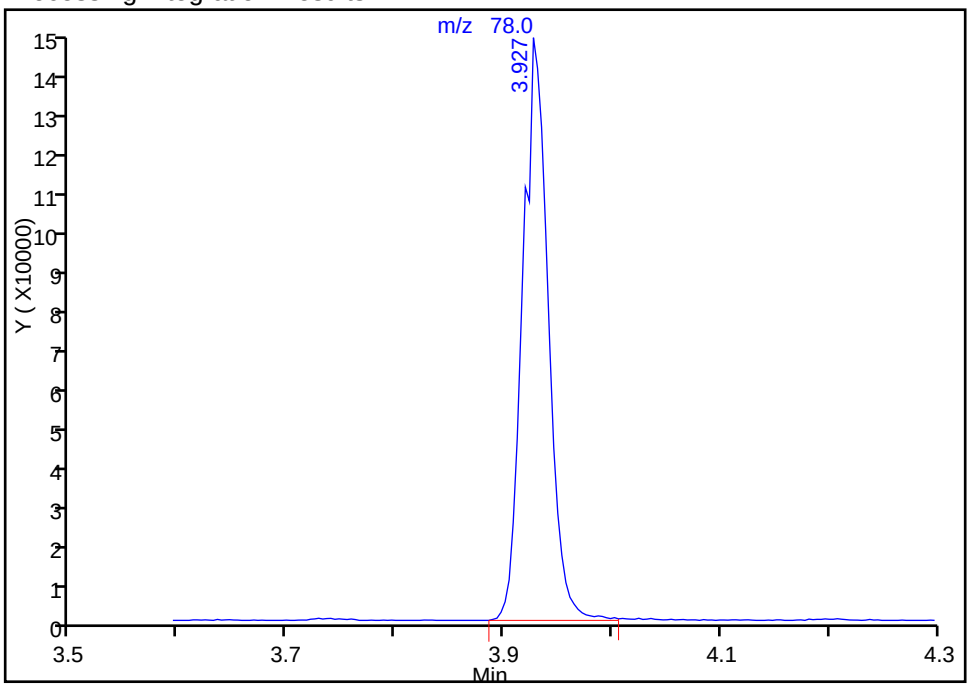
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15609.D
Injection Date: 30-Sep-2016 17:40:30 Instrument ID: CVOAMS12
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

56 Benzene, CAS: 71-43-2

Signal: 1

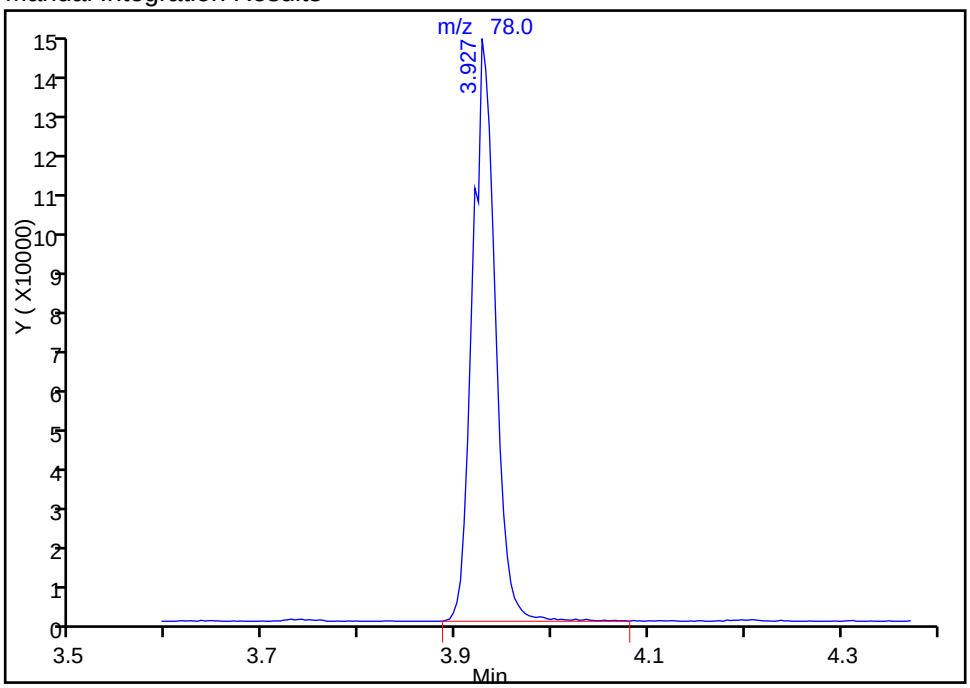
Processing Integration Results

RT: 3.93
Area: 231119
Amount: 21.425670
Amount Units: ug/l



Manual Integration Results

RT: 3.93
Area: 232174
Amount: 20.838165
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:49:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15610.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 30-Sep-2016 18:07:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0046245-006
Operator ID: Instrument ID: CVOAMS12
Sublist: chrom-8260W_12*sub10

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 01-Oct-2016 17:18:58 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK002

First Level Reviewer: kluseys Date: 30-Sep-2016 20:17:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.974	0.974	0.000	88	20044	50.0	52.2	
2 Dichlorodifluoromethane	85	0.997	0.993	0.004	99	185820	50.0	51.6	
3 Chloromethane	50	1.143	1.143	0.000	99	191793	50.0	55.0	
4 Vinyl chloride	62	1.169	1.169	0.000	98	186568	50.0	53.5	
5 Butadiene	54	1.188	1.188	0.000	94	160032	50.0	51.2	
6 Bromomethane	94	1.356	1.356	0.000	95	26939	50.0	42.0	M
7 Chloroethane	64	1.416	1.416	0.000	98	68660	50.0	50.8	
8 Dichlorofluoromethane	67	1.536	1.532	0.004	98	270667	50.0	52.4	
9 Trichlorofluoromethane	101	1.566	1.570	-0.004	98	190740	50.0	54.3	
10 Pentane	72	1.618	1.618	0.000	96	40061	100.0	106.0	
11 Ethanol	46	1.708	1.697	0.011	99	44071	2000.0	1921.1	
12 Ethyl ether	59	1.753	1.749	0.004	93	139179	50.0	51.9	
13 1,2-Dichloro-1,1,2-trifluo	117	1.749	1.749	0.000	92	104793	50.0	54.3	
14 2-Methyl-1,3-butadiene	53	1.760	1.760	0.000	95	130338	50.0	53.1	
15 Acrolein	56	1.828	1.824	0.004	97	44219	100.0	91.4	
16 1,1-Dichloroethene	96	1.884	1.884	0.000	95	115169	50.0	52.9	
17 1,1,2-Trichloro-1,2,2-trif	101	1.891	1.891	0.000	96	103788	50.0	53.3	
18 Acetone	58	1.929	1.929	0.000	85	97171	250.0	217.9	
19 Iodomethane	142	1.981	1.981	0.000	98	107263	50.0	47.0	
21 Carbon disulfide	76	2.026	2.022	0.004	100	369082	50.0	54.0	
20 Isopropyl alcohol	45	2.022	2.034	-0.012	36	121095	500.0	467.8	
22 3-Chloro-1-propene	76	2.120	2.120	0.000	89	76392	50.0	49.4	
23 Acetonitrile	41	2.120	2.120	0.000	81	516893	500.0	501.7	
24 Methyl acetate	74	2.138	2.138	0.000	100	126299	250.0	227.4	
25 Cyclopentene	67	2.176	2.176	0.000	95	324443	50.0	52.2	
26 Methylene Chloride	84	2.202	2.202	0.000	96	142792	50.0	51.9	
* 27 TBA-d9 (IS)	65	2.243	2.243	0.000	98	324754	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.299	2.303	-0.004	99	182225	500.0	475.2	
29 Acrylonitrile	53	2.370	2.370	0.000	96	612599	500.0	507.3	
30 trans-1,2-Dichloroethene	96	2.393	2.393	0.000	97	145585	50.0	54.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Methyl tert-butyl ether	73	2.404	2.404	0.000	97	499259	50.0	53.6	
32 Hexane	57	2.602	2.599	0.003	93	129359	50.0	53.5	
33 1,1-Dichloroethane	63	2.696	2.696	0.000	100	273419	50.0	53.6	
34 Vinyl acetate	86	2.745	2.748	-0.003	100	56271	100.0	106.6	
35 Isopropyl ether	45	2.767	2.767	0.000	91	564068	50.0	56.4	
36 2-Chloro-1,3-butadiene	88	2.771	2.771	0.000	68	138348	50.0	56.2	
37 Tert-butyl ethyl ether	59	3.055	3.055	0.000	88	536395	50.0	55.9	
* 38 2-Butanone-d5	46	3.126	3.126	0.000	33	410995	250.0	250.0	
40 cis-1,2-Dichloroethene	96	3.152	3.152	0.000	91	155997	50.0	51.9	
39 2,2-Dichloropropane	97	3.156	3.156	0.000	84	46553	50.0	52.1	
41 2-Butanone (MEK)	72	3.175	3.175	0.000	99	117880	250.0	243.9	
42 Propionitrile	54	3.220	3.216	0.004	96	260137	500.0	504.7	
43 Ethyl acetate	70	3.238	3.235	0.003	100	39921	100.0	101.3	
44 Methyl acrylate	55	3.261	3.265	-0.004	99	171842	50.0	53.1	
45 Methacrylonitrile	67	3.351	3.347	0.004	96	706486	500.0	546.3	
46 Chlorobromomethane	128	3.355	3.351	0.003	96	74634	50.0	54.1	
47 Tetrahydrofuran	42	3.403	3.403	0.000	98	116968	100.0	85.3	
48 Chloroform	83	3.429	3.429	0.000	99	239957	50.0	51.3	
$ 49 Dibromofluoromethane (Surr	113	3.568	3.568	0.000	97	127687	50.0	54.9	
50 1,1,1-Trichloroethane	97	3.590	3.587	0.003	98	198325	50.0	53.5	
51 Cyclohexane	56	3.643	3.639	0.004	95	185589	50.0	51.1	
53 Carbon tetrachloride	117	3.740	3.740	0.000	93	147355	50.0	55.0	
52 1,1-Dichloropropene	75	3.740	3.740	0.000	91	175290	50.0	51.3	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.871	3.871	0.000	97	174689	50.0	55.0	
55 Isobutyl alcohol	43	3.886	3.886	0.000	98	190346	1250.0	1202.8	
56 Benzene	78	3.931	3.927	0.004	97	534614	50.0	48.1	M
57 1,2-Dichloroethane	62	3.942	3.942	0.000	98	214290	50.0	50.8	
58 Isooctane	57	4.032	4.028	0.004	91	209636	50.0	50.7	
59 Isopropyl acetate	43	4.039	4.036	0.003	96	535540	50.0	54.1	
60 Tert-amyl methyl ether	73	4.062	4.058	0.004	98	425767	50.0	53.2	
* 61 Fluorobenzene	96	4.204	4.204	0.000	97	479869	50.0	50.0	
62 n-Heptane	43	4.223	4.223	0.000	95	90839	50.0	50.0	
63 n-Butanol	56	4.560	4.556	0.004	92	118778	1250.0	1311.4	
64 Trichloroethene	95	4.578	4.578	0.000	97	136216	50.0	53.2	
65 Ethyl acrylate	55	4.732	4.728	0.004	98	203491	50.0	54.9	
66 Methylcyclohexane	83	4.784	4.784	0.000	96	133945	50.0	54.8	
67 1,2-Dichloropropane	63	4.810	4.810	0.000	91	140125	50.0	50.9	
* 68 1,4-Dioxane-d8	96	4.923	4.923	-0.001	35	37960	1000.0	1000.0	
69 Dibromomethane	93	4.934	4.930	0.004	94	86842	50.0	52.6	
71 Methyl methacrylate	100	4.982	4.982	0.000	92	84117	100.0	105.3	
70 1,4-Dioxane	88	4.982	4.982	0.000	37	44464	1000.0	1007.5	
72 n-Propyl acetate	43	5.068	5.065	0.003	99	232513	50.0	53.0	
73 Dichlorobromomethane	83	5.125	5.125	0.000	99	161624	50.0	52.2	
74 2-Nitropropane	41	5.390	5.390	0.000	99	82639	100.0	108.2	
75 2-Chloroethyl vinyl ether	63	5.510	5.510	0.000	96	71257	50.0	50.2	
76 Epichlorohydrin	57	5.559	5.559	0.000	100	339253	1000.0	928.9	
77 cis-1,3-Dichloropropene	75	5.660	5.656	0.004	97	217273	50.0	51.0	
78 4-Methyl-2-pentanone (MIBK	43	5.877	5.877	0.000	98	756125	250.0	234.8	
$ 79 Toluene-d8 (Surr)	98	5.985	5.985	0.000	99	454316	50.0	51.0	
80 Toluene	91	6.068	6.064	0.004	95	520499	50.0	50.2	
81 trans-1,3-Dichloropropene	75	6.371	6.375	-0.004	97	197741	50.0	53.1	
82 Ethyl methacrylate	69	6.554	6.550	0.004	92	173212	50.0	50.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 1,1,2-Trichloroethane	83	6.599	6.599	0.000	93	99522	50.0	50.6	
84 Tetrachloroethene	166	6.771	6.771	0.000	96	121702	50.0	50.9	
85 1,3-Dichloropropane	76	6.816	6.816	0.000	96	211484	50.0	50.1	
86 2-Hexanone	43	6.992	6.992	0.000	98	538187	250.0	232.6	
87 Chlorodibromomethane	129	7.115	7.112	0.003	99	113524	50.0	52.1	
88 n-Butyl acetate	43	7.216	7.213	0.003	98	227720	50.0	49.8	
89 Ethylene Dibromide	107	7.243	7.243	0.000	99	125287	50.0	51.4	
* 90 Chlorobenzene-d5	117	7.931	7.931	0.000	89	362978	50.0	50.0	
91 Chlorobenzene	112	7.972	7.972	0.000	96	323174	50.0	49.0	
92 1,1,1,2-Tetrachloroethane	131	8.115	8.111	0.004	93	110088	50.0	51.6	
93 Ethylbenzene	106	8.178	8.175	0.003	99	165660	50.0	48.7	
94 m-Xylene & p-Xylene	106	8.362	8.362	0.000	98	202205	50.0	49.4	
95 o-Xylene	106	8.953	8.949	0.004	96	212422	50.0	52.1	
96 Styrene	104	8.983	8.983	0.000	96	358078	50.0	54.1	
97 n-Butyl acrylate	73	9.028	9.028	0.000	99	93304	50.0	50.4	
98 Bromoform	173	9.207	9.211	-0.004	96	72071	50.0	51.6	
99 Amyl acetate (mixed isomer	43	9.421	9.421	0.000	89	259942	50.0	52.4	
100 Isopropylbenzene	105	9.563	9.563	0.000	96	465838	50.0	50.5	
$ 101 4-Bromofluorobenzene	174	9.765	9.769	-0.004	91	149723	50.0	52.7	
102 Bromobenzene	156	9.963	9.960	0.003	97	146142	50.0	49.3	
103 1,1,2,2-Tetrachloroethane	83	10.064	10.068	-0.004	98	150484	50.0	50.1	
104 1,2,3-Trichloropropane	110	10.091	10.087	0.004	97	47287	50.0	49.0	
105 trans-1,4-Dichloro-2-buten	53	10.165	10.169	-0.004	88	49417	50.0	50.4	
106 N-Propylbenzene	91	10.233	10.233	0.000	99	503717	50.0	52.1	
107 2-Chlorotoluene	91	10.311	10.311	0.000	97	378114	50.0	50.3	
108 4-Ethyltoluene	105	10.431	10.435	-0.004	98	445894	50.0	52.3	
109 4-Chlorotoluene	91	10.498	10.498	0.000	99	380587	50.0	50.5	
110 1,3,5-Trimethylbenzene	105	10.547	10.551	-0.004	93	359050	50.0	49.3	
111 Butyl Methacrylate	87	10.824	10.820	0.004	95	148345	50.0	49.9	
112 tert-Butylbenzene	119	11.067	11.067	0.000	96	271910	50.0	52.1	
113 1,2,4-Trimethylbenzene	105	11.150	11.146	0.004	98	392045	50.0	50.5	
114 sec-Butylbenzene	105	11.412	11.415	-0.003	99	361308	50.0	55.0	
115 1,3-Dichlorobenzene	146	11.498	11.498	0.000	98	235845	50.0	47.9	
* 116 1,4-Dichlorobenzene-d4	152	11.595	11.599	-0.004	95	188769	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.629	11.629	0.000	95	255057	50.0	52.1	
118 4-Isopropyltoluene	119	11.644	11.640	0.004	99	285450	50.0	47.9	
119 Benzyl chloride	126	11.831	11.831	0.000	98	53030	50.0	53.6	
120 2,3-Dihydroindene	117	11.958	11.958	0.000	94	459325	50.0	52.8	
121 1,2-Dichlorobenzene	146	12.081	12.081	0.000	96	249856	50.0	51.9	
122 p-Diethylbenzene	119	12.130	12.126	0.004	93	177998	50.0	49.1	
123 n-Butylbenzene	91	12.153	12.153	-0.001	97	304773	50.0	47.4	
124 1,2-Dibromo-3-Chloropropan	75	12.935	12.935	0.000	91	31715	50.0	51.6	
125 1,2,4,5-Tetramethylbenzene	119	12.957	12.953	0.004	98	342577	50.0	49.6	
126 1,3,5-Trichlorobenzene	180	13.148	13.152	-0.004	98	152411	50.0	53.0	
127 1,2,4-Trichlorobenzene	180	13.702	13.698	0.004	94	144160	50.0	47.2	
128 Hexachlorobutadiene	225	13.870	13.870	0.000	95	42964	50.0	47.6	
129 Naphthalene	128	13.896	13.889	0.007	99	439764	50.0	50.3	
130 1,2,3-Trichlorobenzene	180	14.098	14.095	0.003	91	146351	50.0	50.3	
S 131 1,2-Dichloroethene, Total	100				0		100.0	106.7	
S 132 Xylenes, Total	100				0		100.0	101.5	
S 133 Total BTEX	1				0		250.0	248.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS Hi_00167	Amount Added:	5.00	Units: uL	
ACROLEIN W_00056	Amount Added:	10.00	Units: uL	
MIX I Hi_00063	Amount Added:	5.00	Units: uL	
MIX 2 Hi_00048	Amount Added:	5.00	Units: uL	
8260ISNEW_00090	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00139	Amount Added:	1.00	Units: uL	Run Reagent

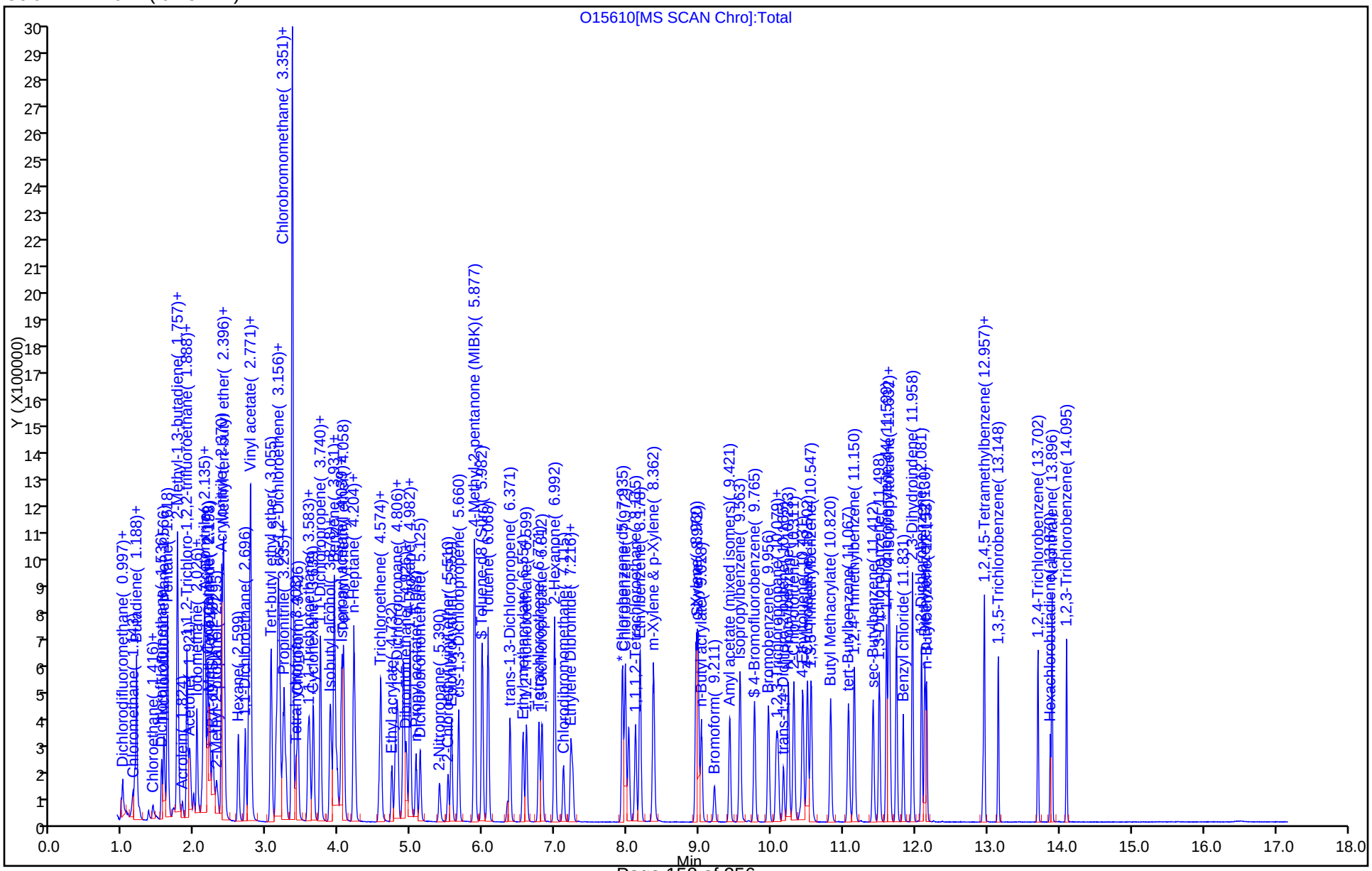
Report Date: 01-Oct-2016 17:19:04 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15610.D

Injection Date:	30-Sep-2016 18:07:30	Instrument ID:	CVOAMS12	Operator ID:	
Lims ID:	STD50			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



TestAmerica Edison

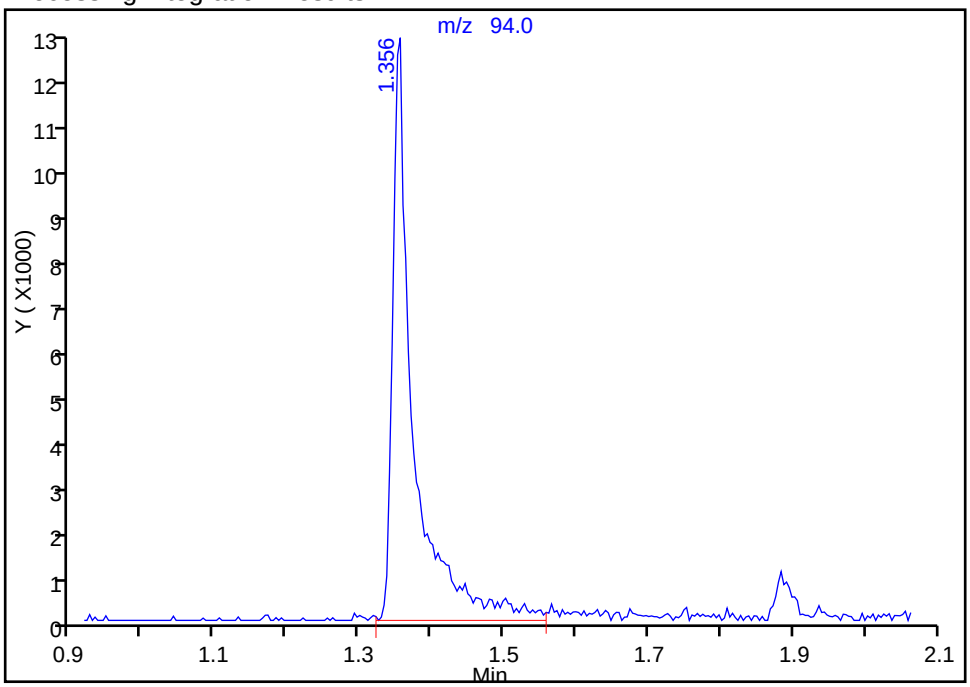
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15610.D
Injection Date: 30-Sep-2016 18:07:30 Instrument ID: CVOAMS12
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

6 Bromomethane, CAS: 74-83-9

Signal: 1

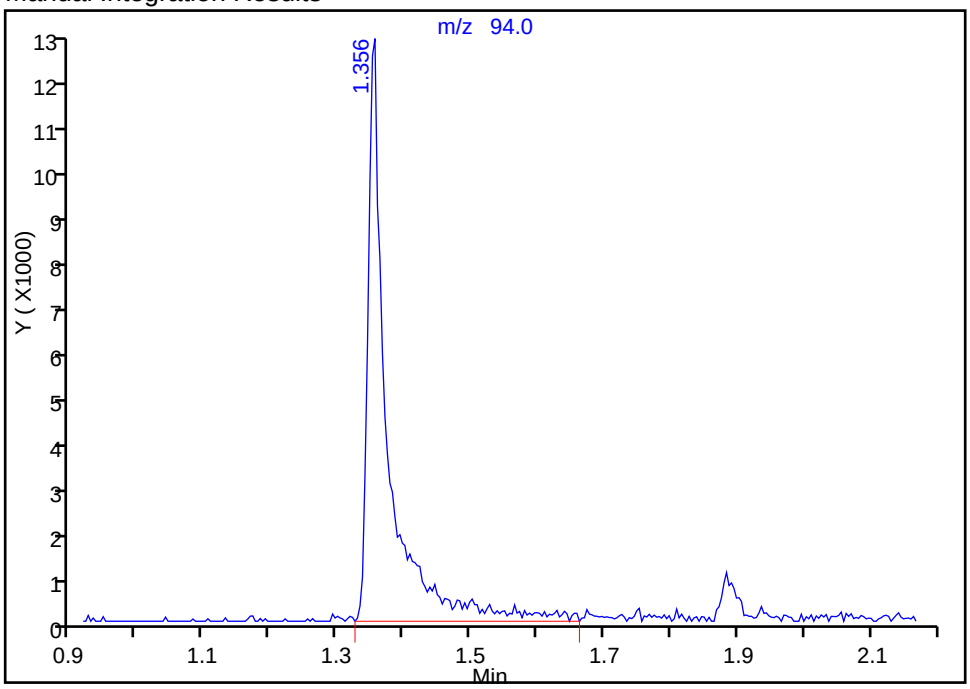
Processing Integration Results

RT: 1.36
Area: 25952
Amount: 42.954312
Amount Units: ug/l



Manual Integration Results

RT: 1.36
Area: 26939
Amount: 41.979205
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:46:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

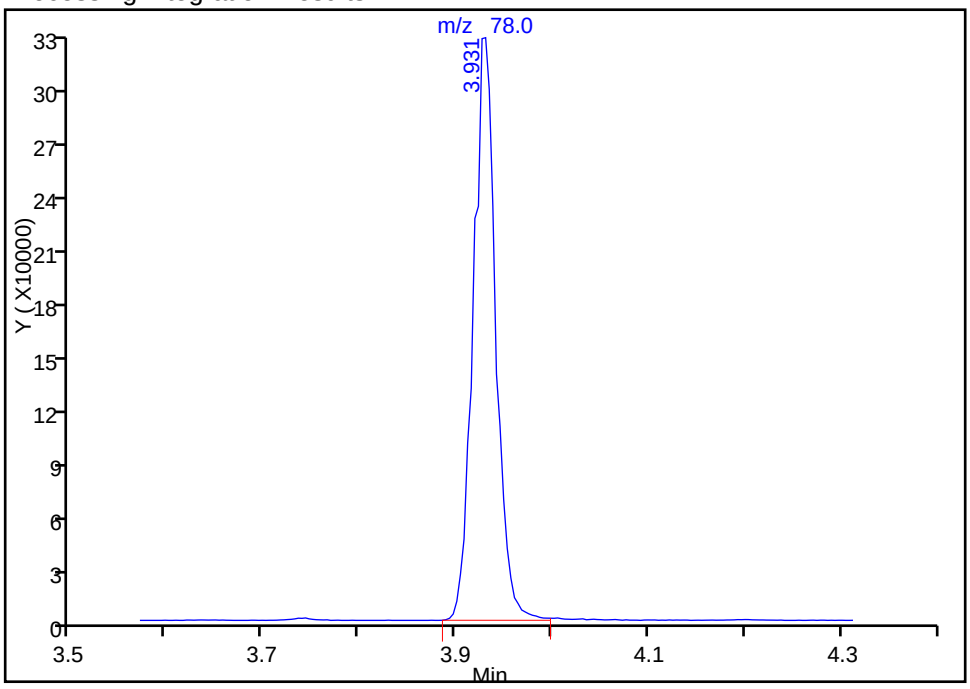
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15610.D
Injection Date: 30-Sep-2016 18:07:30 Instrument ID: CVOAMS12
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

56 Benzene, CAS: 71-43-2

Signal: 1

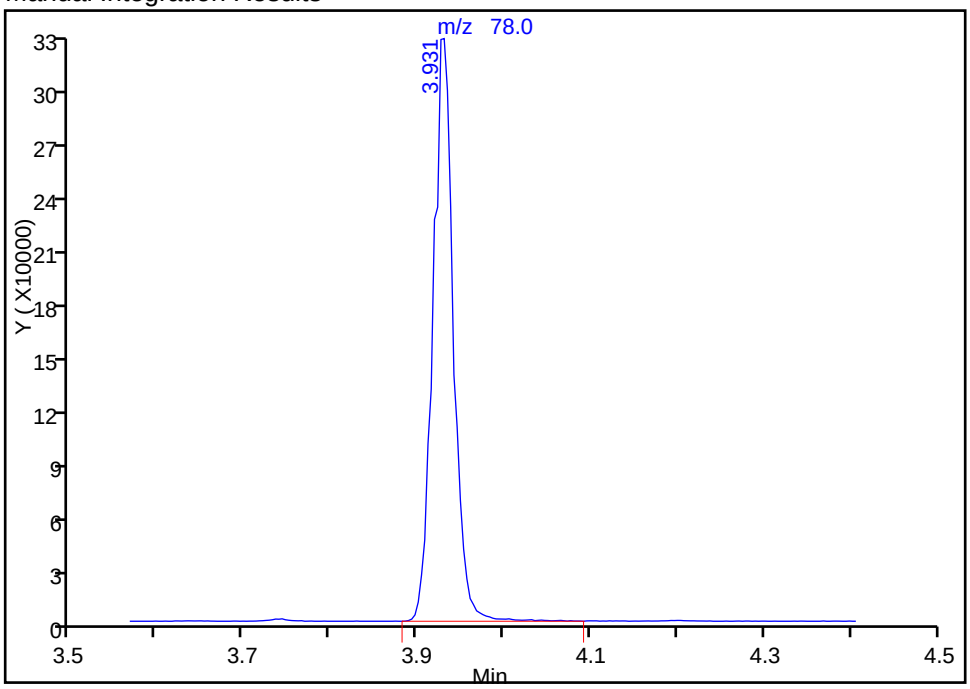
Processing Integration Results

RT: 3.93
Area: 531438
Amount: 49.937123
Amount Units: ug/l



Manual Integration Results

RT: 3.93
Area: 534614
Amount: 48.076991
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:50:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15611.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 30-Sep-2016 18:35:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0046245-007
Operator ID: Instrument ID: CVOAMS12
Sublist: chrom-8260W_12*sub10

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 01-Oct-2016 17:19:11 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK002

First Level Reviewer: kluseys Date: 30-Sep-2016 20:17:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.978	0.974	0.004	87	76089	200.0	176.2	
2 Dichlorodifluoromethane	85	0.997	0.993	0.004	99	690443	200.0	170.6	
3 Chloromethane	50	1.143	1.143	0.000	99	677911	200.0	172.9	
4 Vinyl chloride	62	1.169	1.169	0.000	98	657579	200.0	167.9	
5 Butadiene	54	1.188	1.188	0.000	97	595312	200.0	169.4	
6 Bromomethane	94	1.356	1.356	0.000	98	139735	200.0	216.5	
7 Chloroethane	64	1.416	1.416	0.000	98	251093	200.0	165.2	
8 Dichlorofluoromethane	67	1.536	1.532	0.004	98	972628	200.0	167.4	
9 Trichlorofluoromethane	101	1.569	1.570	-0.001	99	639936	200.0	161.9	
10 Pentane	72	1.618	1.618	0.000	98	146463	400.0	344.7	
11 Ethanol	46	1.700	1.697	0.003	99	172043	8000.0	6795.7	
12 Ethyl ether	59	1.749	1.749	0.000	95	541054	200.0	179.5	
13 1,2-Dichloro-1,1,2-trifluo	117	1.753	1.749	0.004	88	390375	200.0	180.0	
14 2-Methyl-1,3-butadiene	53	1.760	1.760	0.000	93	490066	200.0	177.7	
15 Acrolein	56	1.828	1.824	0.004	97	101568	200.0	190.2	
16 1,1-Dichloroethene	96	1.887	1.884	0.003	98	444947	200.0	181.7	
17 1,1,2-Trichloro-1,2,2-trif	101	1.891	1.891	0.000	81	392784	200.0	179.5	
18 Acetone	58	1.929	1.929	0.000	85	401186	1000.0	894.2	
19 Iodomethane	142	1.985	1.981	0.004	99	493875	200.0	202.6	
21 Carbon disulfide	76	2.026	2.022	0.004	100	1484336	200.0	193.2	
20 Isopropyl alcohol	45	2.033	2.034	-0.001	99	493146	2000.0	1726.2	
22 3-Chloro-1-propene	76	2.123	2.120	0.003	89	342851	200.0	197.3	
23 Acetonitrile	41	2.123	2.120	0.003	96	1950238	2000.0	1715.2	
24 Methyl acetate	74	2.142	2.138	0.004	99	536973	1000.0	875.9	
25 Cyclopentene	67	2.176	2.176	0.000	96	1258471	200.0	180.2	
26 Methylene Chloride	84	2.206	2.202	0.004	98	548262	200.0	177.2	
* 27 TBA-d9 (IS)	65	2.250	2.243	0.007	98	358391	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.303	2.303	0.000	99	791778	2000.0	1949.5	
29 Acrylonitrile	53	2.378	2.370	0.008	93	2619173	2000.0	1929.3	
30 trans-1,2-Dichloroethene	96	2.393	2.393	0.000	98	530553	200.0	177.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Methyl tert-butyl ether	73	2.408	2.404	0.004	97	1938051	200.0	185.0	
32 Hexane	57	2.602	2.599	0.003	91	483387	200.0	177.8	
33 1,1-Dichloroethane	63	2.700	2.696	0.004	100	1040495	200.0	181.6	
34 Vinyl acetate	86	2.748	2.748	0.000	100	226522	400.0	381.7	
35 Isopropyl ether	45	2.771	2.767	0.004	94	2019136	200.0	179.6	
36 2-Chloro-1,3-butadiene	88	2.771	2.771	0.000	72	492201	200.0	177.8	
37 Tert-butyl ethyl ether	59	3.059	3.055	0.004	89	1963562	200.0	182.2	
* 38 2-Butanone-d5	46	3.126	3.126	0.000	1	413461	250.0	250.0	
40 cis-1,2-Dichloroethene	96	3.156	3.152	0.004	96	589620	200.0	174.6	
39 2,2-Dichloropropane	97	3.156	3.156	0.000	80	179575	200.0	178.9	
41 2-Butanone (MEK)	72	3.182	3.175	0.007	100	456350	1000.0	938.7	
42 Propionitrile	54	3.227	3.216	0.011	99	961700	2000.0	1690.8	
43 Ethyl acetate	70	3.242	3.235	0.007	100	155694	400.0	392.7	
44 Methyl acrylate	55	3.265	3.265	0.000	99	689726	200.0	189.6	
45 Methacrylonitrile	67	3.362	3.347	0.015	94	2588172	2000.0	1780.3	
46 Chlorobromomethane	128	3.358	3.351	0.007	95	261057	200.0	168.3	
47 Tetrahydrofuran	42	3.403	3.403	0.000	96	482202	400.0	349.7	
48 Chloroform	83	3.429	3.429	0.000	98	957901	200.0	182.3	
$ 49 Dibromofluoromethane (Surr	113	3.571	3.568	0.003	97	129541	50.0	49.6	
50 1,1,1-Trichloroethane	97	3.590	3.587	0.003	99	785347	200.0	188.4	
51 Cyclohexane	56	3.643	3.639	0.004	93	704337	200.0	172.5	
53 Carbon tetrachloride	117	3.740	3.740	0.000	97	606166	200.0	201.4	
52 1,1-Dichloropropene	75	3.740	3.740	0.000	93	691486	200.0	180.1	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.871	3.871	0.000	97	174523	50.0	48.9	
55 Isobutyl alcohol	43	3.893	3.886	0.007	98	833894	5000.0	4774.7	
56 Benzene	78	3.931	3.927	0.004	98	2077923	200.0	179.9	M
57 1,2-Dichloroethane	62	3.946	3.942	0.004	98	858027	200.0	180.8	
58 Isooctane	57	4.032	4.028	0.004	96	829353	200.0	178.4	
59 Isopropyl acetate	43	4.039	4.036	0.003	94	2197927	200.0	197.5	
60 Tert-amyl methyl ether	73	4.065	4.058	0.007	99	1754086	200.0	194.9	
* 61 Fluorobenzene	96	4.204	4.204	0.000	98	539452	50.0	50.0	
62 n-Heptane	43	4.223	4.223	0.000	95	351136	200.0	171.9	
63 n-Butanol	56	4.563	4.556	0.007	92	508733	5000.0	5089.7	
64 Trichloroethene	95	4.582	4.578	0.004	97	524053	200.0	182.0	
65 Ethyl acrylate	55	4.735	4.728	0.007	98	874377	200.0	209.9	
66 Methylcyclohexane	83	4.784	4.784	0.000	96	503888	200.0	183.2	
67 1,2-Dichloropropane	63	4.814	4.810	0.004	90	559161	200.0	180.5	
* 68 1,4-Dioxane-d8	96	4.930	4.923	0.007	73	40819	1000.0	1000.0	
69 Dibromomethane	93	4.934	4.930	0.004	93	335492	200.0	180.7	
71 Methyl methacrylate	100	4.990	4.982	0.008	92	355813	400.0	396.3	
70 1,4-Dioxane	88	4.986	4.982	0.004	87	177348	4000.0	3737.0	
72 n-Propyl acetate	43	5.072	5.065	0.007	98	1007161	200.0	204.4	
73 Dichlorobromomethane	83	5.132	5.125	0.007	98	685965	200.0	197.1	
74 2-Nitropropane	41	5.398	5.390	0.008	98	377879	400.0	440.1	
75 2-Chloroethyl vinyl ether	63	5.517	5.510	0.007	97	319453	200.0	200.1	
76 Epichlorohydrin	57	5.570	5.559	0.011	99	1344250	4000.0	3658.8	
77 cis-1,3-Dichloropropene	75	5.663	5.656	0.007	97	860872	200.0	194.6	
78 4-Methyl-2-pentanone (MIBK	43	5.884	5.877	0.007	99	3060769	1000.0	944.6	
$ 79 Toluene-d8 (Surr)	98	5.989	5.985	0.004	99	474297	50.0	51.3	
80 Toluene	91	6.071	6.064	0.007	93	2025443	200.0	188.2	
81 trans-1,3-Dichloropropene	75	6.374	6.375	-0.001	98	830780	200.0	214.9	
82 Ethyl methacrylate	69	6.558	6.550	0.008	91	713222	200.0	198.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 1,1,2-Trichloroethane	83	6.603	6.599	0.004	92	381170	200.0	186.5	
84 Tetrachloroethene	166	6.775	6.771	0.004	97	482203	200.0	194.3	
85 1,3-Dichloropropane	76	6.823	6.816	0.007	97	799094	200.0	182.3	
86 2-Hexanone	43	6.996	6.992	0.004	98	2204462	1000.0	947.0	
87 Chlorodibromomethane	129	7.115	7.112	0.003	98	506119	200.0	223.6	
88 n-Butyl acetate	43	7.216	7.213	0.003	99	949319	200.0	199.9	
89 Ethylene Dibromide	107	7.246	7.243	0.003	99	486827	200.0	192.4	
* 90 Chlorobenzene-d5	117	7.935	7.931	0.004	86	377024	50.0	50.0	
91 Chlorobenzene	112	7.976	7.972	0.004	91	1222975	200.0	178.7	
92 1,1,1,2-Tetrachloroethane	131	8.118	8.111	0.007	91	469356	200.0	211.8	
93 Ethylbenzene	106	8.182	8.175	0.007	99	633009	200.0	179.1	
94 m-Xylene & p-Xylene	106	8.369	8.362	0.007	97	796327	200.0	187.2	
95 o-Xylene	106	8.960	8.949	0.011	93	806072	200.0	190.4	
96 Styrene	104	8.986	8.983	0.003	95	1400896	200.0	203.7	
97 n-Butyl acrylate	73	9.031	9.028	0.003	99	417759	200.0	217.4	
98 Bromoform	173	9.215	9.211	0.004	97	342690	200.0	236.2	
99 Amyl acetate (mixed isomer	43	9.428	9.421	0.007	90	1064796	200.0	199.2	
100 Isopropylbenzene	105	9.567	9.563	0.004	97	1746500	200.0	182.4	
$ 101 4-Bromofluorobenzene	174	9.769	9.769	0.000	93	148064	50.0	50.2	
102 Bromobenzene	156	9.967	9.960	0.007	95	569107	200.0	178.3	
103 1,1,2,2-Tetrachloroethane	83	10.072	10.068	0.004	97	617260	200.0	190.8	
104 1,2,3-Trichloropropane	110	10.090	10.087	0.003	97	178771	200.0	171.9	
105 trans-1,4-Dichloro-2-buten	53	10.173	10.169	0.004	91	214404	200.0	203.1	
106 N-Propylbenzene	91	10.240	10.233	0.007	99	1981109	200.0	190.3	
107 2-Chlorotoluene	91	10.319	10.311	0.008	98	1405191	200.0	173.5	
108 4-Ethyltoluene	105	10.442	10.435	0.007	98	1720344	200.0	187.4	
109 4-Chlorotoluene	91	10.502	10.498	0.004	98	1456652	200.0	179.3	
110 1,3,5-Trimethylbenzene	105	10.554	10.551	0.003	97	1430834	200.0	182.2	
111 Butyl Methacrylate	87	10.828	10.820	0.008	96	654694	200.0	204.2	
112 tert-Butylbenzene	119	11.075	11.067	0.008	96	1092613	200.0	194.2	
113 1,2,4-Trimethylbenzene	105	11.153	11.146	0.007	98	1465184	200.0	175.0	
114 sec-Butylbenzene	105	11.415	11.415	0.000	99	1350036	200.0	190.6	
115 1,3-Dichlorobenzene	146	11.501	11.498	0.003	96	978532	200.0	184.5	
* 116 1,4-Dichlorobenzene-d4	152	11.602	11.599	0.003	95	203403	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.632	11.629	0.003	95	957922	200.0	181.4	
118 4-Isopropyltoluene	119	11.643	11.640	0.003	97	1262330	200.0	196.4	
119 Benzyl chloride	126	11.831	11.831	0.000	97	243733	200.0	212.5	
120 2,3-Dihydroindene	117	11.962	11.958	0.004	94	1757489	200.0	187.6	
121 1,2-Dichlorobenzene	146	12.085	12.081	0.004	96	986903	200.0	190.4	
122 p-Diethylbenzene	119	12.130	12.126	0.004	91	695730	200.0	178.2	
123 n-Butylbenzene	91	12.156	12.153	0.003	98	1225838	200.0	176.9	
124 1,2-Dibromo-3-Chloropropan	75	12.935	12.935	0.000	95	146435	200.0	221.3	
125 1,2,4,5-Tetramethylbenzene	119	12.957	12.953	0.004	97	1278968	200.0	171.8	
126 1,3,5-Trichlorobenzene	180	13.152	13.152	0.000	97	533097	200.0	171.9	
127 1,2,4-Trichlorobenzene	180	13.702	13.698	0.004	93	572561	200.0	174.0	
128 Hexachlorobutadiene	225	13.874	13.870	0.004	95	187024	200.0	192.3	
129 Naphthalene	128	13.893	13.889	0.004	99	1620225	200.0	172.1	
130 1,2,3-Trichlorobenzene	180	14.098	14.095	0.003	95	529428	200.0	169.0	
S 131 1,2-Dichloroethene, Total	100				0		400.0	352.3	
S 132 Xylenes, Total	100				0		400.0	377.6	
S 133 Total BTEX	1				0		1000.0	924.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS Hi_00167	Amount Added:	20.00	Units: uL	
ACROLEIN W_00056	Amount Added:	20.00	Units: uL	
MIX I Hi_00063	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00048	Amount Added:	20.00	Units: uL	
8260ISNEW_00090	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00139	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 01-Oct-2016 17:19:14 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15611.D

Injection Date: 30-Sep-2016 18:35:30 Instrument ID: CVOAMS12 Operator ID:

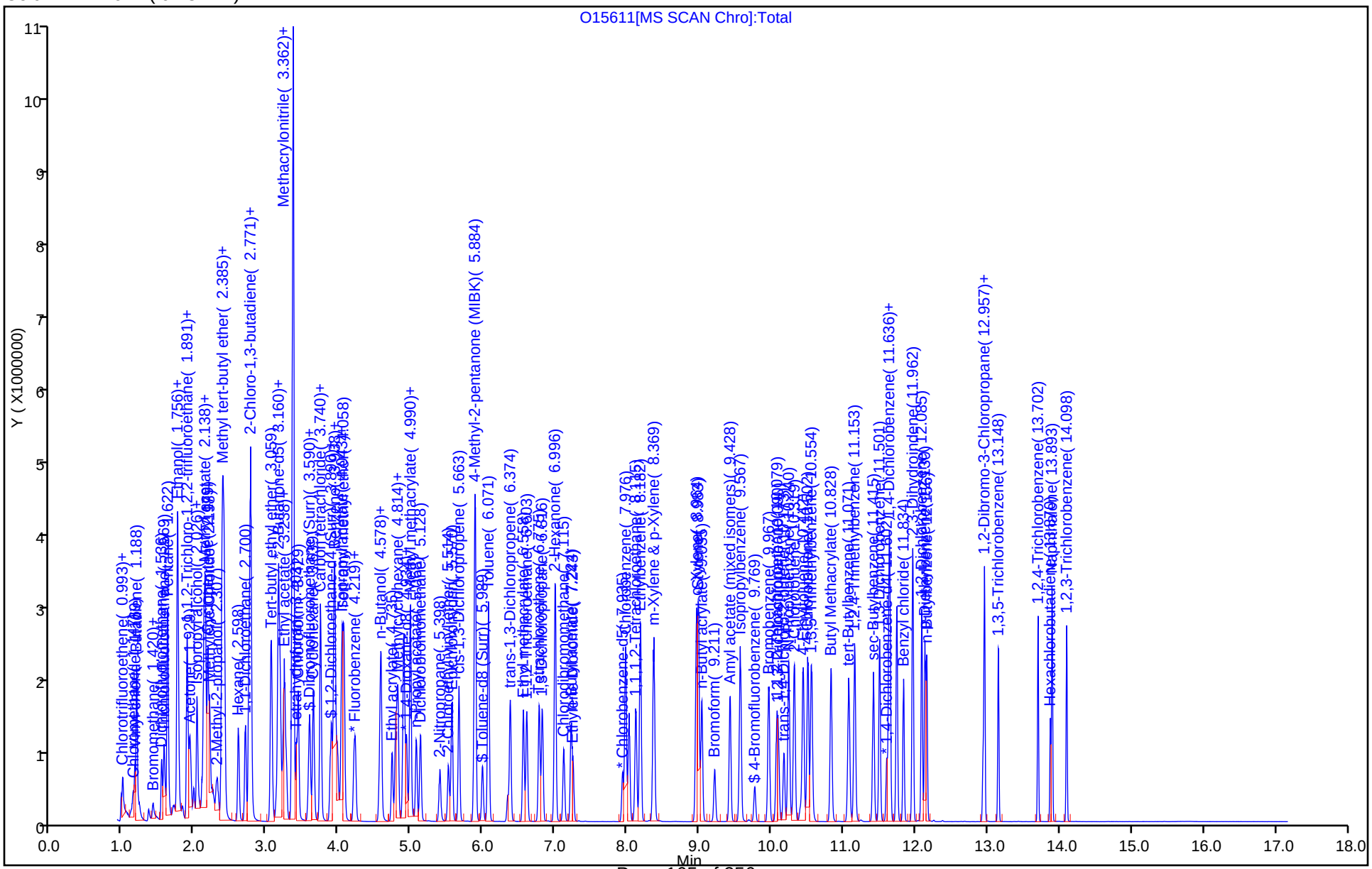
Lims ID: STD200 Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

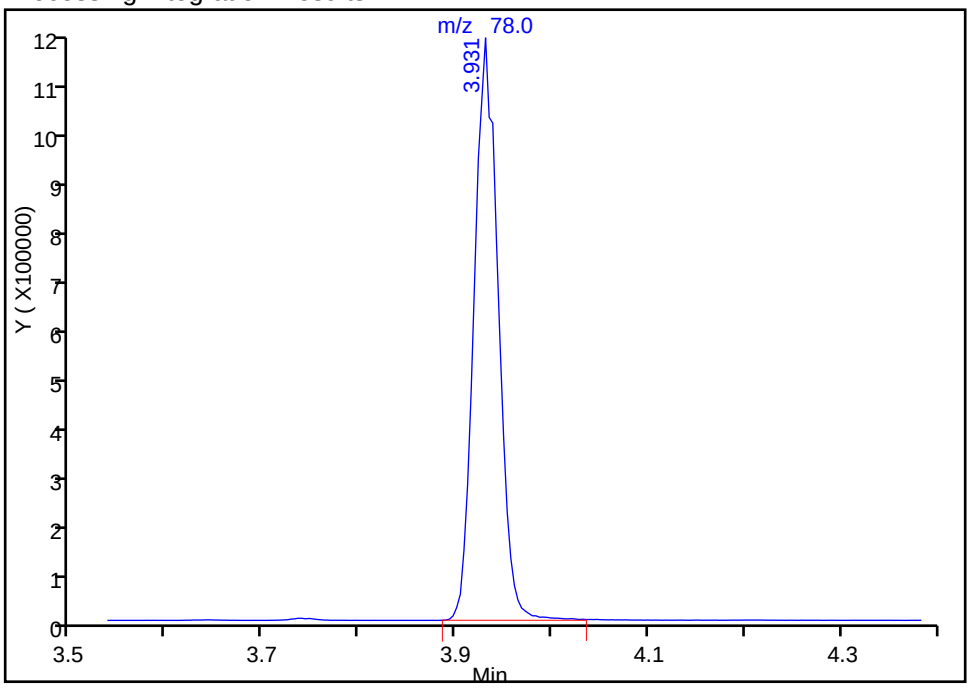
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15611.D
Injection Date: 30-Sep-2016 18:35:30 Instrument ID: CVOAMS12
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

56 Benzene, CAS: 71-43-2

Signal: 1

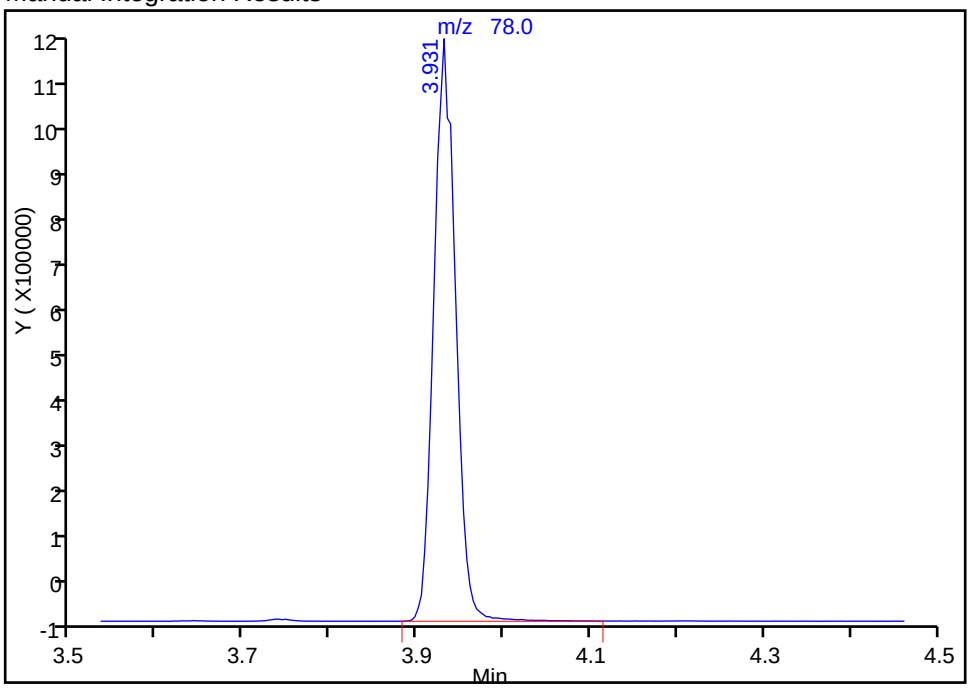
Processing Integration Results

RT: 3.93
Area: 2071339
Amount: 199.5862
Amount Units: ug/l



Manual Integration Results

RT: 3.93
Area: 2077923
Amount: 179.9027
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:51:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 30-Sep-2016 19:03:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0046245-008
Operator ID: Instrument ID: CVOAMS12
Sublist: chrom-8260W_12*sub10

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 01-Oct-2016 17:19:28 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK002

First Level Reviewer: kluseys Date: 30-Sep-2016 20:18:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.975	0.974	0.001	88	203904	500.0	467.7	
2 Dichlorodifluoromethane	85	0.997	0.993	0.004	99	1818291	500.0	445.1	
3 Chloromethane	50	1.147	1.143	0.004	99	1919875	500.0	485.2	
4 Vinyl chloride	62	1.169	1.169	0.000	98	1749245	500.0	442.4	
5 Butadiene	54	1.188	1.188	0.000	95	1544102	500.0	435.4	
6 Bromomethane	94	1.356	1.356	0.000	98	439498	500.0	652.5	
7 Chloroethane	64	1.416	1.416	0.000	98	659902	500.0	430.0	M
8 Dichlorofluoromethane	67	1.536	1.532	0.004	98	2485075	500.0	423.7	
9 Trichlorofluoromethane	101	1.570	1.570	0.000	99	1786164	500.0	447.7	
10 Pentane	72	1.622	1.618	0.004	95	353083	1000.0	823.1	
11 Ethanol	46	1.704	1.697	0.007	96	415333	20000	15894	
12 Ethyl ether	59	1.749	1.749	0.000	95	1262140	500.0	414.8	
13 1,2-Dichloro-1,1,2-trifluo	117	1.757	1.749	0.008	83	861387	500.0	393.4	
14 2-Methyl-1,3-butadiene	53	1.760	1.760	0.000	97	1120854	500.0	402.7	
15 Acrolein	56	1.828	1.824	0.004	96	201779	400.0	366.1	
16 1,1-Dichloroethene	96	1.888	1.884	0.004	98	1042500	500.0	421.7	
17 1,1,2-Trichloro-1,2,2-trif	101	1.891	1.891	0.000	97	894610	500.0	405.1	
18 Acetone	58	1.929	1.929	0.000	86	947093	2500.0	2023.2	
19 Iodomethane	142	1.981	1.981	0.000	99	1108432	500.0	499.5	
21 Carbon disulfide	76	2.026	2.022	0.004	100	3405555	500.0	439.2	M
20 Isopropyl alcohol	45	2.041	2.034	0.007	98	1192963	5000.0	4045.6	M
22 3-Chloro-1-propene	76	2.127	2.120	0.007	91	836849	500.0	477.1	
23 Acetonitrile	41	2.123	2.120	0.003	91	4296243	5000.0	3660.6	
24 Methyl acetate	74	2.146	2.138	0.008	100	1339353	2500.0	2116.6	
25 Cyclopentene	67	2.180	2.176	0.004	96	2812703	500.0	399.1	
26 Methylene Chloride	84	2.206	2.202	0.004	98	1341653	500.0	429.7	
* 27 TBA-d9 (IS)	65	2.254	2.243	0.011	99	369940	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.314	2.303	0.011	99	1987114	5000.0	5072.6	
29 Acrylonitrile	53	2.389	2.370	0.019	91	5858221	5000.0	4275.0	
30 trans-1,2-Dichloroethene	96	2.397	2.393	0.004	99	1138445	500.0	377.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Methyl tert-butyl ether	73	2.408	2.404	0.004	97	4335522	500.0	410.0	
32 Hexane	57	2.602	2.599	0.003	92	1118080	500.0	407.4	
33 1,1-Dichloroethane	63	2.703	2.696	0.007	100	2573405	500.0	444.9	
34 Vinyl acetate	86	2.756	2.748	0.008	99	562420	1000.0	938.8	
35 Isopropyl ether	45	2.775	2.767	0.008	89	4731151	500.0	417.0	
36 2-Chloro-1,3-butadiene	88	2.775	2.771	0.004	83	1119293	500.0	400.5	
37 Tert-butyl ethyl ether	59	3.059	3.055	0.004	87	4619000	500.0	424.6	
* 38 2-Butanone-d5	46	3.138	3.126	0.012	1	431368	250.0	250.0	
40 cis-1,2-Dichloroethene	96	3.160	3.152	0.008	91	1325759	500.0	388.8	
39 2,2-Dichloropropane	97	3.160	3.156	0.004	86	414774	500.0	409.3	
41 2-Butanone (MEK)	72	3.182	3.175	0.007	100	1047423	2500.0	2065.1	
42 Propionitrile	54	3.246	3.216	0.030	72	2555419	5000.0	4352.4	
43 Ethyl acetate	70	3.246	3.235	0.011	99	383658	1000.0	927.4	
44 Methyl acrylate	55	3.272	3.265	0.007	99	2007395	500.0	546.8	
45 Methacrylonitrile	67	3.385	3.347	0.038	93	5758471	5000.0	3924.1	
46 Chlorobromomethane	128	3.370	3.351	0.019	97	563917	500.0	360.3	
47 Tetrahydrofuran	42	3.422	3.403	0.019	94	1423538	1000.0	989.5	
48 Chloroform	83	3.441	3.429	0.012	98	2277376	500.0	429.4	
$ 49 Dibromofluoromethane (Surr	113	3.575	3.568	0.007	96	128774	50.0	48.8	
50 1,1,1-Trichloroethane	97	3.594	3.587	0.007	98	1918497	500.0	456.1	
51 Cyclohexane	56	3.643	3.639	0.004	96	1785282	500.0	433.3	
53 Carbon tetrachloride	117	3.744	3.740	0.004	94	1547712	500.0	509.4	
52 1,1-Dichloropropene	75	3.744	3.740	0.004	93	1636557	500.0	422.2	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.879	3.871	0.008	96	177409	50.0	49.2	
55 Isobutyl alcohol	43	3.908	3.886	0.022	98	2167037	12500	12021	
56 Benzene	78	3.935	3.927	0.008	99	4774082	500.0	390.3	M
57 1,2-Dichloroethane	62	3.953	3.942	0.011	97	1940428	500.0	405.1	
58 Isooctane	57	4.036	4.028	0.008	97	2086079	500.0	444.5	
59 Isopropyl acetate	43	4.051	4.036	0.015	96	5170001	500.0	460.1	
60 Tert-amyl methyl ether	73	4.073	4.058	0.015	94	4107147	500.0	452.1	
* 61 Fluorobenzene	96	4.208	4.204	0.004	98	544524	50.0	50.0	
62 n-Heptane	43	4.227	4.223	0.004	96	866151	500.0	420.2	
63 n-Butanol	56	4.582	4.556	0.026	95	1304885	12500	12647	
64 Trichloroethene	95	4.582	4.578	0.004	97	1198523	500.0	412.3	
65 Ethyl acrylate	55	4.743	4.728	0.015	99	2119835	500.0	504.2	
66 Methylcyclohexane	83	4.788	4.784	0.004	93	1191186	500.0	429.1	
67 1,2-Dichloropropane	63	4.818	4.810	0.008	89	1328158	500.0	424.8	
* 68 1,4-Dioxane-d8	96	4.934	4.923	0.011	33	46100	1000.0	1000.0	
69 Dibromomethane	93	4.941	4.930	0.011	96	838463	500.0	447.4	
71 Methyl methacrylate	100	4.997	4.982	0.015	95	846679	1000.0	934.3	
70 1,4-Dioxane	88	5.001	4.982	0.019	69	430258	10000	8027.5	
72 n-Propyl acetate	43	5.076	5.065	0.011	99	2360491	500.0	474.5	
73 Dichlorobromomethane	83	5.136	5.125	0.011	99	1780716	500.0	506.8	
74 2-Nitropropane	41	5.405	5.390	0.015	98	1018756	1000.0	1175.5	
75 2-Chloroethyl vinyl ether	63	5.525	5.510	0.015	96	845192	500.0	524.6	
76 Epichlorohydrin	57	5.581	5.559	0.022	99	3460546	10000	9028.0	
77 cis-1,3-Dichloropropene	75	5.671	5.656	0.015	98	2167512	500.0	462.7	
78 4-Methyl-2-pentanone (MIBK	43	5.903	5.877	0.026	98	7288965	2500.0	2156.2	
$ 79 Toluene-d8 (Surr)	98	5.993	5.985	0.008	99	472959	50.0	48.3	
80 Toluene	91	6.079	6.064	0.015	93	4591761	500.0	402.8	
81 trans-1,3-Dichloropropene	75	6.386	6.375	0.011	96	1793627	500.0	438.1	
82 Ethyl methacrylate	69	6.565	6.550	0.015	92	1706706	500.0	448.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 1,1,2-Trichloroethane	83	6.610	6.599	0.011	91	942900	500.0	435.6	
84 Tetrachloroethene	166	6.783	6.771	0.011	99	1118789	500.0	425.6	
85 1,3-Dichloropropane	76	6.827	6.816	0.011	97	2033441	500.0	438.0	
86 2-Hexanone	43	7.015	6.992	0.023	97	5250841	2500.0	2161.9	
87 Chlorodibromomethane	129	7.123	7.112	0.011	98	1284128	500.0	535.6	
88 n-Butyl acetate	43	7.224	7.213	0.011	98	2162387	500.0	430.0	
89 Ethylene Dibromide	107	7.254	7.243	0.011	98	1177733	500.0	439.5	
* 90 Chlorobenzene-d5	117	7.939	7.931	0.008	85	399304	50.0	50.0	
91 Chlorobenzene	112	7.984	7.972	0.012	92	3066509	500.0	423.0	
92 1,1,1,2-Tetrachloroethane	131	8.126	8.111	0.015	94	1189312	500.0	506.6	
93 Ethylbenzene	106	8.190	8.175	0.015	99	1583672	500.0	423.0	
94 m-Xylene & p-Xylene	106	8.373	8.362	0.011	98	1870827	500.0	415.2	
95 o-Xylene	106	8.968	8.949	0.019	93	1838000	500.0	409.9	
96 Styrene	104	8.998	8.983	0.015	92	3176509	500.0	436.2	
97 n-Butyl acrylate	73	9.043	9.028	0.015	99	1090001	500.0	535.5	
98 Bromoform	173	9.219	9.211	0.008	96	890605	500.0	579.6	
99 Amyl acetate (mixed isomer	43	9.432	9.421	0.011	93	2678938	500.0	499.5	
100 Isopropylbenzene	105	9.578	9.563	0.015	97	4045278	500.0	398.9	
$ 101 4-Bromofluorobenzene	174	9.776	9.769	0.007	93	143165	50.0	45.8	
102 Bromobenzene	156	9.975	9.960	0.015	96	1374598	500.0	429.3	
103 1,1,2,2-Tetrachloroethane	83	10.079	10.068	0.011	97	1480118	500.0	455.9	
104 1,2,3-Trichloropropane	110	10.106	10.087	0.019	95	474738	500.0	454.8	
105 trans-1,4-Dichloro-2-buten	53	10.188	10.169	0.019	90	559518	500.0	528.3	
106 N-Propylbenzene	91	10.252	10.233	0.019	99	4693963	500.0	449.5	
107 2-Chlorotoluene	91	10.326	10.311	0.015	98	3241163	500.0	398.8	
108 4-Ethyltoluene	105	10.450	10.435	0.015	98	4098783	500.0	444.9	
109 4-Chlorotoluene	91	10.517	10.498	0.019	99	3594978	500.0	440.9	
110 1,3,5-Trimethylbenzene	105	10.562	10.551	0.011	94	3317238	500.0	421.0	
111 Butyl Methacrylate	87	10.839	10.820	0.019	96	1615791	500.0	502.2	
112 tert-Butylbenzene	119	11.082	11.067	0.015	96	2603793	500.0	461.2	
113 1,2,4-Trimethylbenzene	105	11.165	11.146	0.019	99	3491159	500.0	415.7	
114 sec-Butylbenzene	105	11.423	11.415	0.008	98	3371220	500.0	474.2	
115 1,3-Dichlorobenzene	146	11.513	11.498	0.015	95	2250352	500.0	422.9	
* 116 1,4-Dichlorobenzene-d4	152	11.603	11.599	0.003	95	204091	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.636	11.629	0.007	91	2107425	500.0	397.8	
118 4-Isopropyltoluene	119	11.655	11.640	0.015	97	2789416	500.0	432.6	
119 Benzyl chloride	126	11.842	11.831	0.011	98	624249	500.0	487.6	
120 2,3-Dihydroindene	117	11.969	11.958	0.011	94	3751673	500.0	399.2	
121 1,2-Dichlorobenzene	146	12.093	12.081	0.012	95	2149943	500.0	413.4	
122 p-Diethylbenzene	119	12.138	12.126	0.012	92	1675038	500.0	427.6	
123 n-Butylbenzene	91	12.160	12.153	0.007	97	2838462	500.0	408.2	
124 1,2-Dibromo-3-Chloropropan	75	12.942	12.935	0.007	94	341255	500.0	513.9	
125 1,2,4,5-Tetramethylbenzene	119	12.961	12.953	0.008	97	2740484	500.0	366.9	
126 1,3,5-Trichlorobenzene	180	13.152	13.152	0.000	97	1169526	500.0	375.9	
127 1,2,4-Trichlorobenzene	180	13.706	13.698	0.008	94	1178375	500.0	356.8	
128 Hexachlorobutadiene	225	13.874	13.870	0.004	96	453858	500.0	465.0	
129 Naphthalene	128	13.896	13.889	0.007	98	3423447	500.0	362.5	
130 1,2,3-Trichlorobenzene	180	14.102	14.095	0.007	95	1157725	500.0	368.3	
S 131 1,2-Dichloroethene, Total	100				0		1000.0	766.7	
S 132 Xylenes, Total	100				0		1000.0	825.1	
S 133 Total BTEX	1				0		2500.0	2041.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS Hi_00167	Amount Added:	50.00	Units: uL	
ACROLEIN W_00056	Amount Added:	40.00	Units: uL	
MIX I Hi_00063	Amount Added:	50.00	Units: uL	
MIX 2 Hi_00048	Amount Added:	50.00	Units: uL	
8260ISNEW_00090	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00139	Amount Added:	1.00	Units: uL	Run Reagent

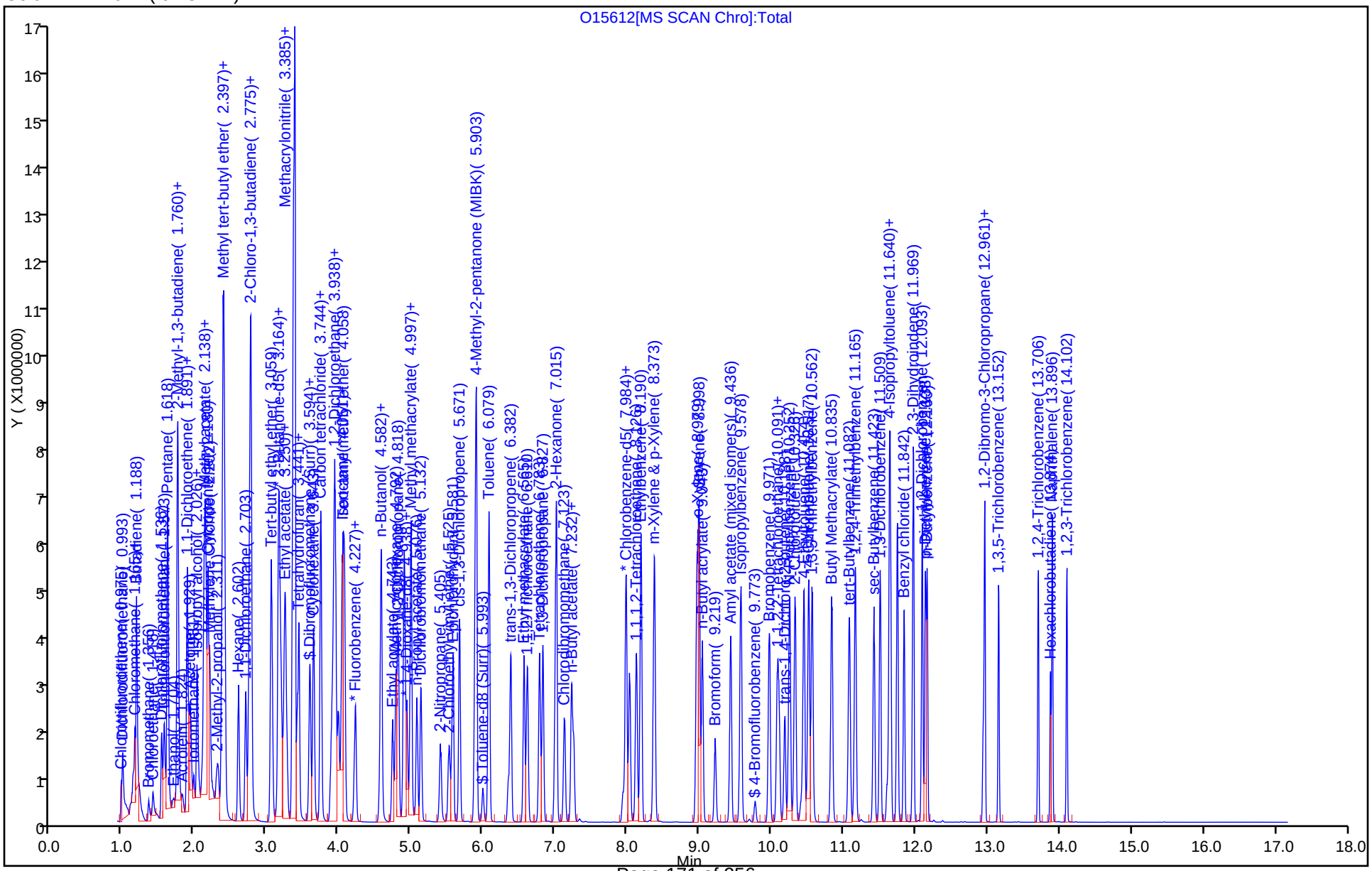
Report Date: 01-Oct-2016 17:19:38 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Injection Date:	30-Sep-2016 19:03:30	Instrument ID:	CVOAMS12	Operator ID:	
Lims ID:	STD500			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

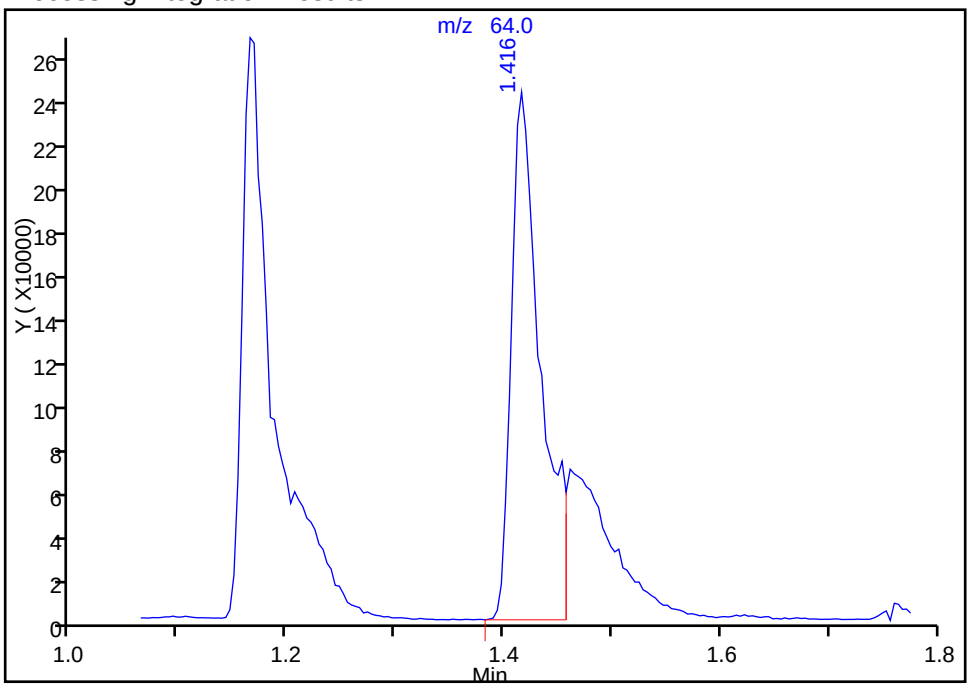
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D
Injection Date: 30-Sep-2016 19:03:30 Instrument ID: CVOAMS12
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

7 Chloroethane, CAS: 75-00-3

Signal: 1

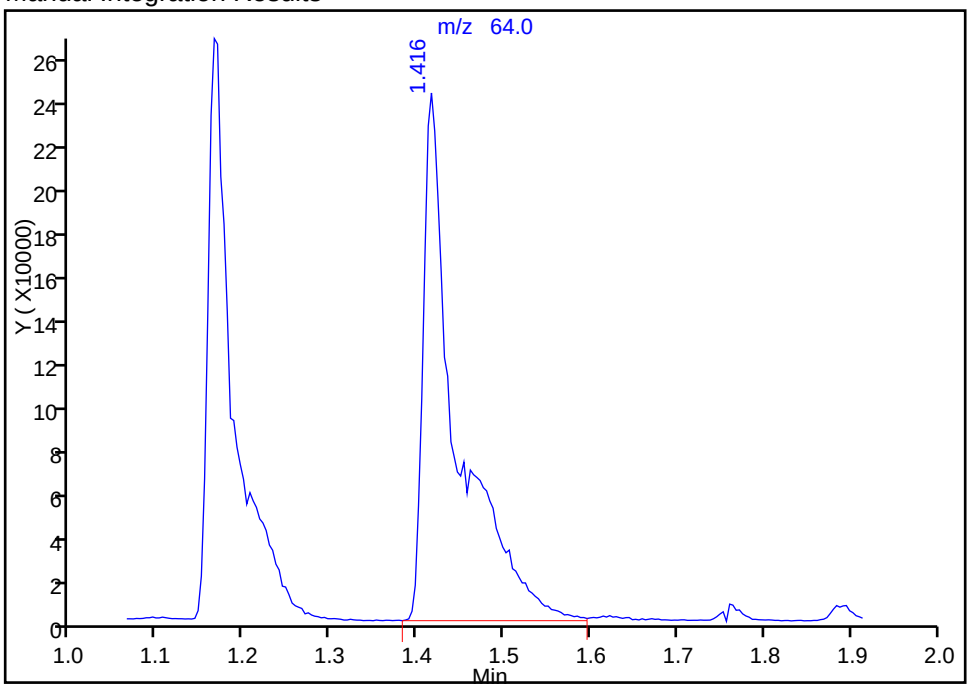
Processing Integration Results

RT: 1.42
Area: 462354
Amount: 500.8452
Amount Units: ug/l



Manual Integration Results

RT: 1.42
Area: 659902
Amount: 430.0055
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:37:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison

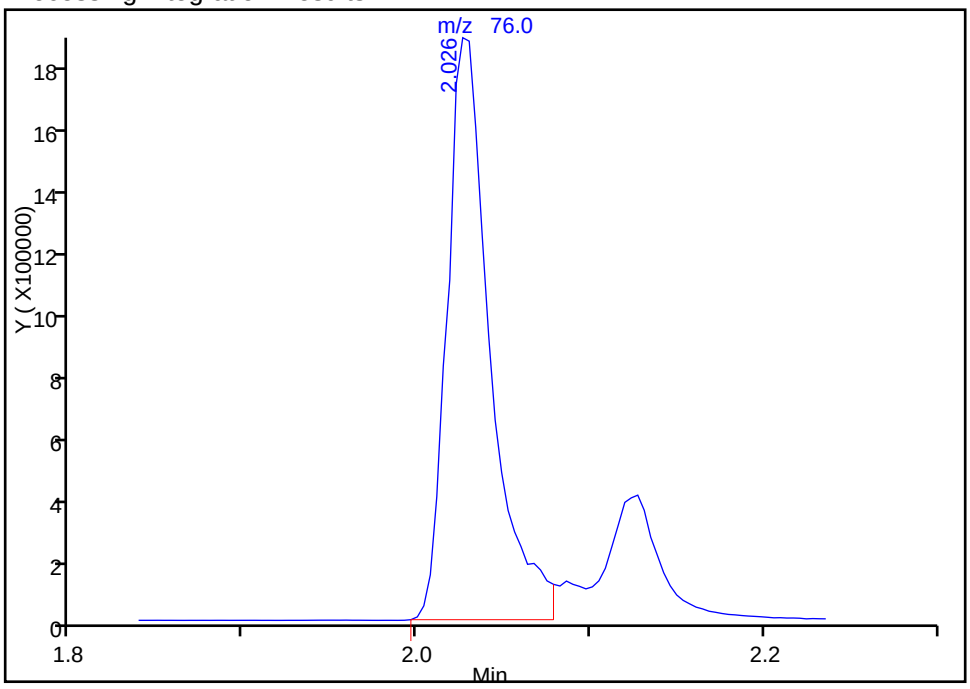
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D
Injection Date: 30-Sep-2016 19:03:30 Instrument ID: CVOAMS12
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

21 Carbon disulfide, CAS: 75-15-0

Signal: 1

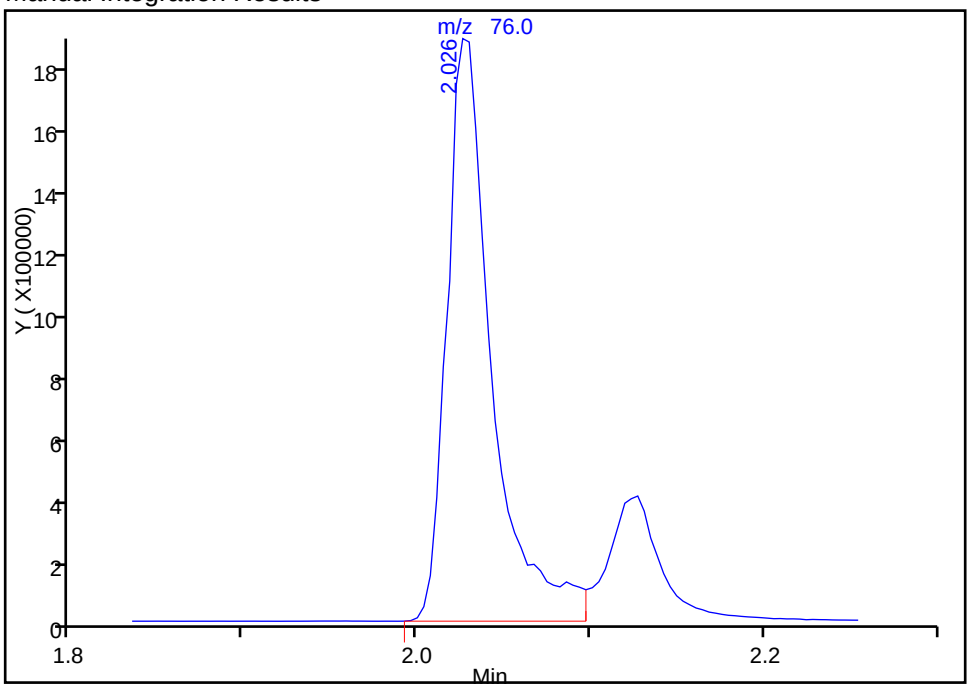
Processing Integration Results

RT: 2.03
Area: 3268318
Amount: 424.0046
Amount Units: ug/l



Manual Integration Results

RT: 2.03
Area: 3405555
Amount: 439.2021
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:37:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

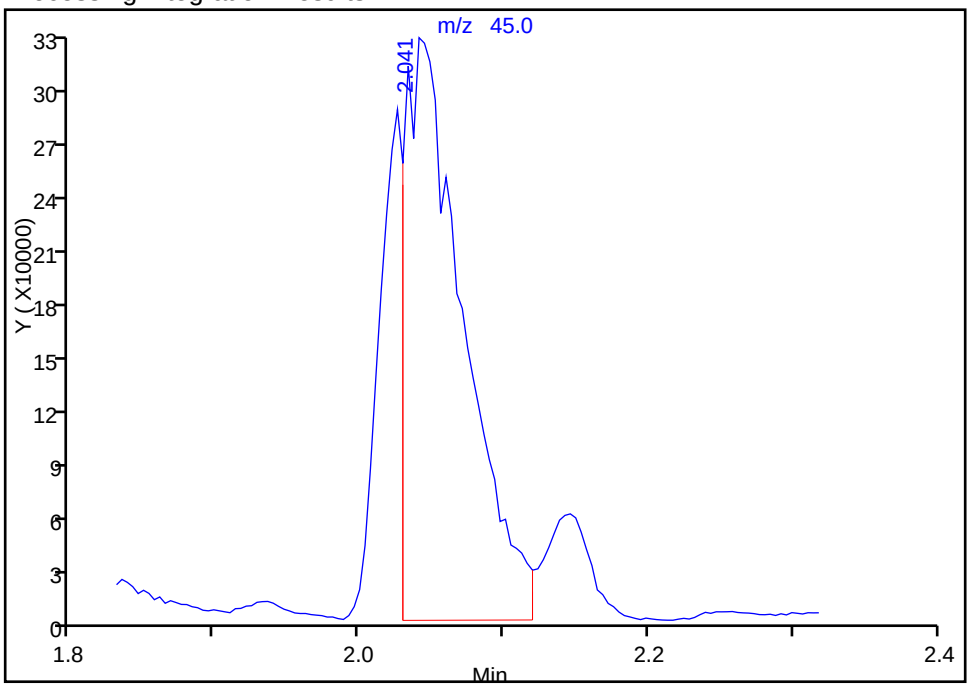
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D
Injection Date: 30-Sep-2016 19:03:30 Instrument ID: CVOAMS12
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

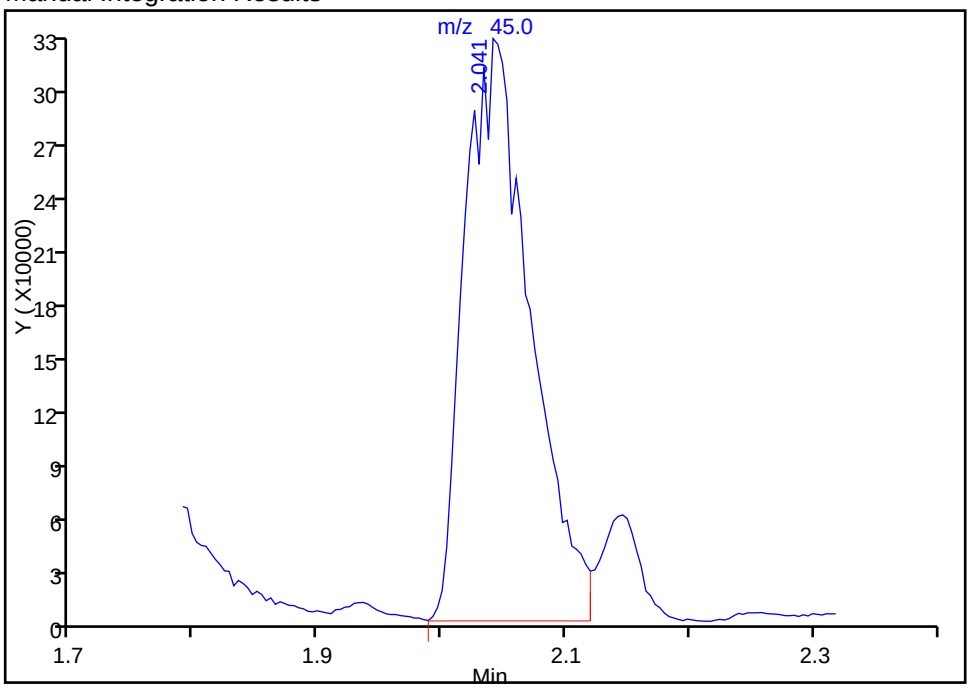
Processing Integration Results

RT: 2.04
Area: 915970
Amount: 4995.6632
Amount Units: ug/l



Manual Integration Results

RT: 2.04
Area: 1192963
Amount: 4045.5736
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:37:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

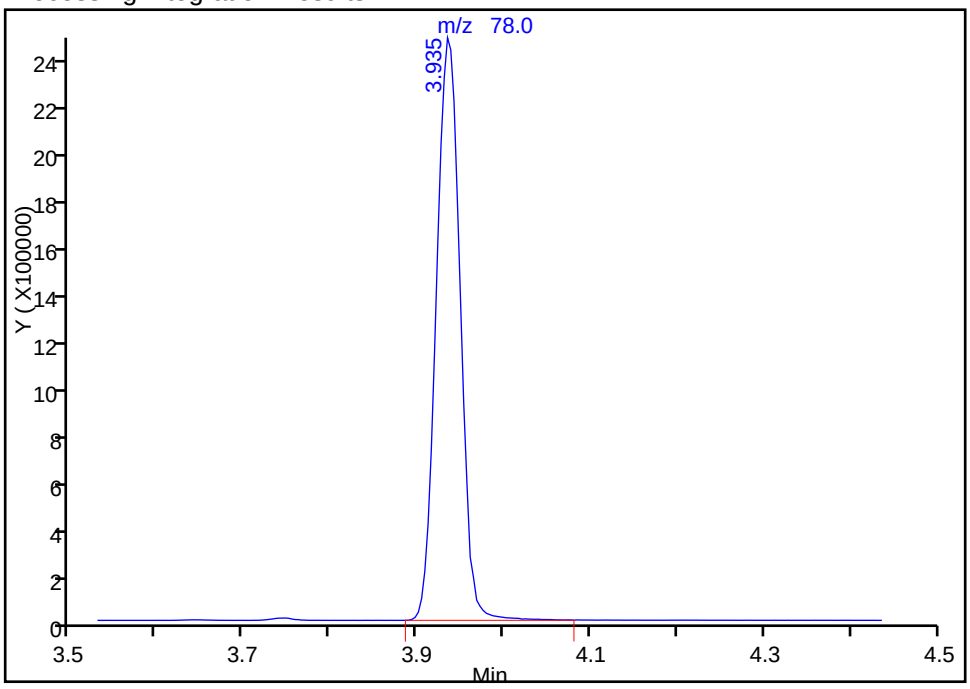
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D
Injection Date: 30-Sep-2016 19:03:30 Instrument ID: CVOAMS12
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

56 Benzene, CAS: 71-43-2

Signal: 1

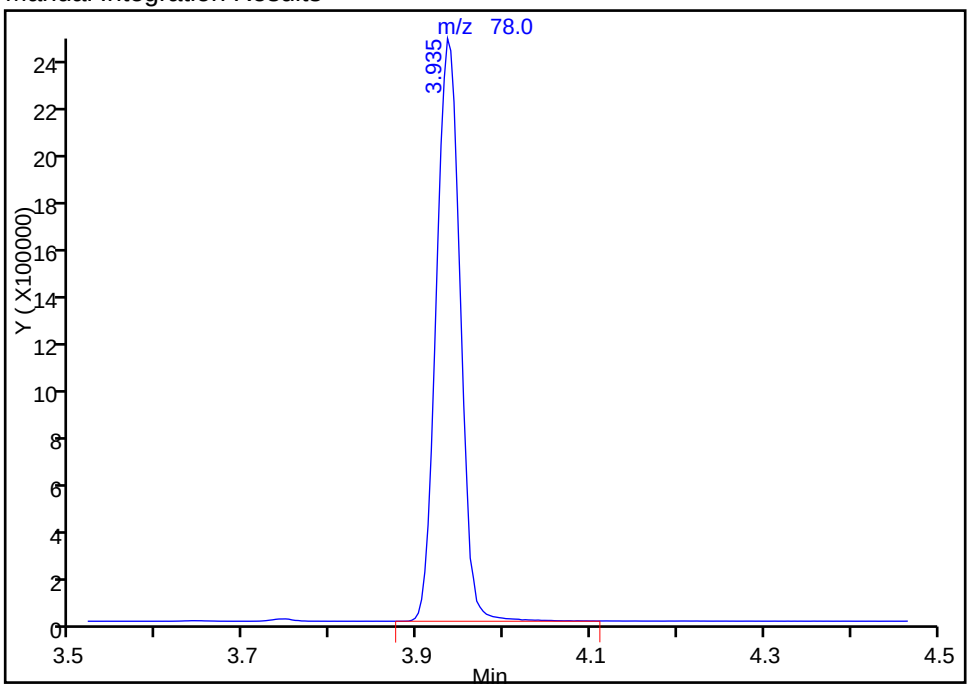
Processing Integration Results

RT: 3.93
Area: 4769377
Amount: 389.9338
Amount Units: ug/l



Manual Integration Results

RT: 3.93
Area: 4774082
Amount: 390.2685
Amount Units: ug/l



Reviewer: delpolitov, 01-Oct-2016 15:51:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Lab Sample ID: CCVIS 460-395562/2 Calibration Date: 10/07/2016 06:19

Instrument ID: CVOAMS12 Calib Start Date: 09/30/2016 16:16

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/30/2016 19:03

Lab File ID: O15946.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.0400	0.0302		15.1	20.0	-24.7*	20.0
Dichlorodifluoromethane	Ave	0.3751	0.2318	0.1000	12.4	20.0	-38.2*	20.0
Chloromethane	Ave	0.3633	0.2940	0.1000	16.2	20.0	-19.1	20.0
Vinyl chloride	Ave	0.3630	0.3068	0.1000	16.9	20.0	-15.5	20.0
Butadiene	Ave	0.3256	0.2765		17.0	20.0	-15.1	20.0
Bromomethane	Ave	0.3903	0.1843	0.1000	9.44	20.0	-52.8*	50.0
Chloroethane	Ave	0.1409	0.1067	0.1000	15.1	20.0	-24.3	50.0
Dichlorofluoromethane	Ave	0.5386	0.5572		20.7	20.0	3.5	20.0
Trichlorofluoromethane	Ave	0.3663	0.3330	0.1000	18.2	20.0	-9.1	20.0
Pentane	Ave	0.0394	0.0372		37.8	40.0	-5.5	20.0
Ethanol	Ave	0.0706	0.0722		818	800	2.3	50.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2011	0.1995		19.8	20.0	-0.8	20.0
Ethyl ether	Ave	0.2794	0.2751		19.7	20.0	-1.5	20.0
2-Methyl-1,3-butadiene	Ave	0.2556	0.2432		19.0	20.0	-4.9	20.0
Acrolein	Ave	1.490	1.655		44.4	40.0	11.1	50.0
1,1-Dichloroethene	Ave	0.2270	0.2294	0.1000	20.2	20.0	1.0	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2028	0.2011	0.1000	19.8	20.0	-0.9	20.0
Acetone	Ave	0.2713	0.2008	0.0500	74.0	100	-26.0	50.0
Iodomethane	QuaF		0.1084		9.02	20.0	-54.9*	20.0
Carbon disulfide	Ave	0.7120	0.6771	0.1000	19.0	20.0	-4.9	50.0
Isopropyl alcohol	Ave	0.7971	0.7421		186	200	-6.9	50.0
Acetonitrile	Ave	3.173	3.022		190	200	-4.8	20.0
Allyl chloride	Ave	0.1611	0.1484		18.4	20.0	-7.9	20.0
Methyl acetate	Ave	1.710	1.627	0.1000	95.1	100	-4.9	20.0
Cyclopentene	Ave	0.6472	0.6202		19.2	20.0	-4.2	20.0
Methylene Chloride	Ave	0.2867	0.2846	0.1000	19.9	20.0	-0.7	20.0
2-Methyl-2-propanol	Qua2		1.087		179	200	-10.7	50.0
Acrylonitrile	Ave	0.1258	0.1272		202	200	1.1	20.0
trans-1,2-Dichloroethene	Ave	0.2767	0.2789	0.1000	20.2	20.0	0.8	20.0
Methyl tert-butyl ether	Ave	0.9710	0.9790	0.1000	20.2	20.0	0.8	20.0
Hexane	Ave	0.2520	0.2639		20.9	20.0	4.7	20.0
1,1-Dichloroethane	Ave	0.5311	0.5410	0.2000	20.4	20.0	1.9	20.0
Vinyl acetate	Ave	0.0550	0.0591		43.0	40.0	7.4	20.0
2-Chloro-1,3-butadiene	Ave	0.2566	0.2500		19.5	20.0	-2.6	20.0
Isopropyl ether	Ave	1.042	1.093		21.0	20.0	4.9	20.0
Tert-butyl ethyl ether	Ave	0.999	0.998		20.0	20.0	-0.1	20.0
2,2-Dichloropropane	Ave	0.0930	0.0880		18.9	20.0	-5.4	20.0
cis-1,2-Dichloroethene	Ave	0.3131	0.2971	0.1000	19.0	20.0	-5.1	20.0
2-Butanone	Ave	0.2940	0.2760	0.0500	93.9	100	-6.1	50.0
Propionitrile	Ave	1.587	1.660		209	200	4.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Lab Sample ID: CCVIS 460-395562/2 Calibration Date: 10/07/2016 06:19

Instrument ID: CVOAMS12 Calib Start Date: 09/30/2016 16:16

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/30/2016 19:03

Lab File ID: O15946.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethyl acetate	Ave	0.2397	0.2345		39.1	40.0	-2.2	20.0
Methyl acrylate	Ave	0.3371	0.3378		20.0	20.0	0.2	20.0
Methacrylonitrile	Ave	0.1347	0.1448		215	200	7.5	20.0
Chlorobromomethane	Ave	0.1437	0.1450		20.2	20.0	0.9	20.0
Tetrahydrofuran	Ave	0.8337	0.7413		35.6	40.0	-11.1	20.0
Chloroform	Ave	0.4870	0.4777	0.2000	19.6	20.0	-1.9	20.0
1,1,1-Trichloroethane	Ave	0.3863	0.3593	0.1000	18.6	20.0	-7.0	20.0
Cyclohexane	Ave	0.3784	0.3921	0.1000	20.7	20.0	3.6	50.0
Carbon tetrachloride	Ave	0.2790	0.2396	0.1000	17.2	20.0	-14.1	20.0
1,1-Dichloropropene	Ave	0.3559	0.3732		21.0	20.0	4.9	20.0
Isobutyl alcohol	Ave	0.4873	0.4238		435	500	-13.0	50.0
Benzene	Ave	1.532	1.603	0.5000	20.9	20.0	4.7	20.0
1,2-Dichloroethane	Ave	0.4398	0.4190	0.1000	19.1	20.0	-4.7	20.0
2,2,4-Trimethylpentane	Ave	0.4309	0.4475		20.8	20.0	3.8	20.0
Isopropyl acetate	Ave	1.032	0.998		19.4	20.0	-3.2	20.0
Tert-amyl methyl ether	Ave	0.8342	0.8542		20.5	20.0	2.4	20.0
n-Heptane	Ave	0.1893	0.2013		21.3	20.0	6.4	20.0
n-Butanol	Ave	0.2789	0.2479		444	500	-11.1	50.0
Trichloroethene	Ave	0.2669	0.2635	0.2000	19.7	20.0	-1.3	20.0
Ethyl acrylate	Ave	0.3861	0.3723		19.3	20.0	-3.6	20.0
Methylcyclohexane	Ave	0.2549	0.2813	0.1000	22.1	20.0	10.4	50.0
1,2-Dichloropropane	Ave	0.2871	0.2927	0.1000	20.4	20.0	2.0	20.0
Dibromomethane	Ave	0.1721	0.1624		18.9	20.0	-5.6	20.0
1,4-Dioxane	Ave	1.163	1.151		396	400	-1.0	50.0
Methyl methacrylate	Ave	0.0832	0.0824		39.6	40.0	-1.0	20.0
n-Propyl acetate	Ave	0.4568	0.4581		20.1	20.0	0.3	20.0
Bromodichloromethane	Ave	0.3226	0.3056	0.2000	18.9	20.0	-5.3	20.0
2-Nitropropane	Ave	0.0796	0.0557		28.0	40.0	-30.1*	20.0
2-Chloroethyl vinyl ether	Ave	0.1479	0.0895		12.1	20.0	-39.5*	20.0
Epichlorohydrin	Ave	0.2222	0.2055		370	400	-7.5	20.0
cis-1,3-Dichloropropene	Ave	0.5866	0.5810	0.2000	19.8	20.0	-1.0	50.0
MIBK	Ave	1.959	1.924	0.0500	98.2	100	-1.8	50.0
Toluene	Ave	1.428	1.484	0.4000	20.8	20.0	4.0	20.0
trans-1,3-Dichloropropene	Ave	0.5126	0.4969	0.1000	19.4	20.0	-3.1	50.0
Ethyl methacrylate	Ave	0.4761	0.4536		19.1	20.0	-4.7	20.0
1,1,2-Trichloroethane	Ave	0.2711	0.2822	0.1000	20.8	20.0	4.1	20.0
Tetrachloroethene	Ave	0.3292	0.3300	0.2000	20.0	20.0	0.2	20.0
1,3-Dichloropropane	Ave	0.5814	0.6060		20.8	20.0	4.2	20.0
2-Hexanone	Ave	1.408	1.328	0.0500	94.4	100	-5.6	50.0
Dibromochloromethane	Ave	0.3002	0.2748	0.1000	18.3	20.0	-8.5	50.0
n-Butyl acetate	Ave	0.6297	0.6116		19.4	20.0	-2.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Lab Sample ID: CCVIS 460-395562/2 Calibration Date: 10/07/2016 06:19

Instrument ID: CVOAMS12 Calib Start Date: 09/30/2016 16:16

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/30/2016 19:03

Lab File ID: O15946.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylene Dibromide	Ave	0.3356	0.3318	0.1000	19.8	20.0	-1.1	20.0
Chlorobenzene	Ave	0.9077	0.9257	0.5000	20.4	20.0	2.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2939	0.2721		18.5	20.0	-7.4	20.0
Ethylbenzene	Ave	0.4688	0.4720	0.1000	20.1	20.0	0.7	20.0
m-Xylene & p-Xylene	Ave	0.5642	0.5768	0.1000	20.4	20.0	2.2	20.0
o-Xylene	Ave	0.5614	0.5812	0.3000	20.7	20.0	3.5	20.0
Styrene	Ave	0.9120	0.9805	0.3000	21.5	20.0	7.5	20.0
n-Butyl acrylate	Ave	0.2549	0.2477		19.4	20.0	-2.8	20.0
Bromoform	Ave	0.1924	0.1457	0.1000	15.1	20.0	-24.3*	20.0
Amyl acetate (mixed isomers)	Ave	1.314	1.293		19.7	20.0	-1.6	20.0
Isopropylbenzene	Ave	1.270	1.241	0.1000	19.5	20.0	-2.3	20.0
Bromobenzene	Ave	0.7844	0.7705		19.6	20.0	-1.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7953	0.8097	0.3000	20.4	20.0	1.8	20.0
1,2,3-Trichloropropane	Ave	0.2557	0.2407		18.8	20.0	-5.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2595	0.2292		17.7	20.0	-11.7	20.0
N-Propylbenzene	Ave	2.559	2.726		21.3	20.0	6.5	20.0
2-Chlorotoluene	Ave	1.991	2.106		21.2	20.0	5.8	20.0
4-Ethyltoluene	Ave	2.257	2.191		19.4	20.0	-2.9	20.0
4-Chlorotoluene	Ave	1.998	2.065		20.7	20.0	3.4	20.0
1,3,5-Trimethylbenzene	Ave	1.930	2.001		20.7	20.0	3.7	20.0
Butyl Methacrylate	Ave	0.7882	0.7960		20.2	20.0	1.0	20.0
tert-Butylbenzene	Ave	1.383	1.401		20.3	20.0	1.3	20.0
1,2,4-Trimethylbenzene	Ave	2.058	2.132		20.7	20.0	3.6	20.0
sec-Butylbenzene	Ave	1.742	1.914		22.0	20.0	9.9	20.0
1,3-Dichlorobenzene	Ave	1.304	1.297	0.6000	19.9	20.0	-0.5	20.0
1,4-Dichlorobenzene	Ave	1.298	1.320	0.5000	20.3	20.0	1.7	20.0
4-Isopropyltoluene	Ave	1.580	1.674		21.2	20.0	5.9	20.0
Benzyl chloride	Qua2		0.1892		15.0	20.0	-25.1	50.0
Indan	Ave	2.303	2.408		20.9	20.0	4.6	20.0
1,2-Dichlorobenzene	Ave	1.274	1.301	0.4000	20.4	20.0	2.1	20.0
p-Diethylbenzene	Ave	0.9597	1.007		21.0	20.0	4.9	20.0
n-Butylbenzene	Ave	1.703	1.776		20.8	20.0	4.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1627	0.1505	0.0500	18.5	20.0	-7.5	50.0
1,2,4,5-Tetramethylbenzene	Ave	1.830	1.896		20.7	20.0	3.6	20.0
1,3,5-Trichlorobenzene	Ave	0.7622	0.7408		19.4	20.0	-2.8	20.0
1,2,4-Trichlorobenzene	Ave	0.8090	0.8015	0.2000	19.8	20.0	-0.9	20.0
Hexachlorobutadiene	Ave	0.2391	0.2389		20.0	20.0	-0.1	20.0
Naphthalene	Ave	2.314	2.587		22.4	20.0	11.8	50.0
1,2,3-Trichlorobenzene	Ave	0.7702	0.7451		19.3	20.0	-3.3	20.0
Dibromofluoromethane (Surr)	Ave	0.2422	0.2363		48.8	50.0	-2.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3311	0.3263		49.3	50.0	-1.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Lab Sample ID: CCVIS 460-395562/2 Calibration Date: 10/07/2016 06:19

Instrument ID: CVOAMS12 Calib Start Date: 09/30/2016 16:16

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/30/2016 19:03

Lab File ID: O15946.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene-d8 (Surr)	Ave	1.227	1.246		50.8	50.0	1.6	20.0
Bromofluorobenzene	Ave	0.3910	0.3721		47.6	50.0	-4.8	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15946.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Oct-2016 06:19:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0046552-002
Operator ID: Instrument ID: CVOAMS12
Sublist: chrom-8260W_12*sub10

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Oct-2016 13:22:23 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: tupayachia Date: 07-Oct-2016 12:24:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.974	0.974	0.000	82	7107	20.0	15.1	
2 Dichlorodifluoromethane	85	0.997	0.997	0.000	99	54641	20.0	12.4	
3 Chloromethane	50	1.147	1.147	0.000	97	69295	20.0	16.2	
4 Vinyl chloride	62	1.165	1.165	0.000	97	72311	20.0	16.9	
5 Butadiene	54	1.184	1.184	0.000	98	65163	20.0	17.0	
6 Bromomethane	94	1.352	1.352	0.000	97	6783	20.0	9.44	
7 Chloroethane	64	1.412	1.412	0.000	97	25149	20.0	15.1	
8 Dichlorofluoromethane	67	1.532	1.532	0.000	98	131337	20.0	20.7	
9 Trichlorofluoromethane	101	1.566	1.566	0.000	98	78477	20.0	18.2	
10 Pentane	72	1.614	1.614	0.000	95	17552	40.0	37.8	
11 Ethanol	46	1.697	1.697	0.000	98	21637	800.0	818.1	
12 Ethyl ether	59	1.753	1.753	0.000	93	64841	20.0	19.7	
13 1,2-Dichloro-1,1,2-trifluo	117	1.753	1.753	0.000	91	47011	20.0	19.8	
14 2-Methyl-1,3-butadiene	53	1.760	1.760	0.000	97	57318	20.0	19.0	
15 Acrolein	56	1.824	1.824	0.000	97	24786	40.0	44.4	
16 1,1-Dichloroethene	96	1.888	1.888	0.000	95	54058	20.0	20.2	
17 1,1,2-Trichloro-1,2,2-trif	101	1.891	1.891	0.000	96	47388	20.0	19.8	
18 Acetone	58	1.929	1.929	0.000	85	36953	100.0	74.0	
19 Iodomethane	142	1.981	1.981	0.000	98	25550	20.0	9.02	
20 Isopropyl alcohol	45	2.026	2.026	0.000	38	55567	200.0	186.2	
21 Carbon disulfide	76	2.026	2.026	0.000	100	159594	20.0	19.0	
23 Acetonitrile	41	2.116	2.116	0.000	81	226243	200.0	190.5	
22 3-Chloro-1-propene	76	2.120	2.120	0.000	90	34972	20.0	18.4	
24 Methyl acetate	74	2.138	2.138	0.000	99	60901	100.0	95.1	
25 Cyclopentene	67	2.176	2.176	0.000	96	146175	20.0	19.2	
26 Methylene Chloride	84	2.202	2.202	0.000	97	67071	20.0	19.9	
* 27 TBA-d9 (IS)	65	2.247	2.247	0.000	98	374387	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.303	2.303	0.000	98	81398	200.0	178.5	
29 Acrylonitrile	53	2.370	2.370	0.000	93	299698	200.0	202.1	
30 trans-1,2-Dichloroethene	96	2.393	2.393	0.000	98	65744	20.0	20.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Methyl tert-butyl ether	73	2.404	2.404	0.000	98	230741	20.0	20.2	
32 Hexane	57	2.602	2.602	0.000	94	62197	20.0	20.9	
33 1,1-Dichloroethane	63	2.696	2.696	0.000	100	127502	20.0	20.4	
34 Vinyl acetate	86	2.745	2.745	0.000	100	27857	40.0	43.0	
35 Isopropyl ether	45	2.771	2.771	0.000	90	257577	20.0	21.0	
36 2-Chloro-1,3-butadiene	88	2.771	2.771	0.000	80	58920	20.0	19.5	
37 Tert-butyl ethyl ether	59	3.051	3.051	0.000	88	235147	20.0	20.0	
* 38 2-Butanone-d5	46	3.126	3.126	0.000	31	460010	250.0	250.0	
39 2,2-Dichloropropane	97	3.152	3.152	0.000	84	20751	20.0	18.9	
40 cis-1,2-Dichloroethene	96	3.156	3.156	0.000	90	70036	20.0	19.0	
41 2-Butanone (MEK)	72	3.175	3.175	0.000	99	50786	100.0	93.9	
42 Propionitrile	54	3.216	3.216	0.000	96	124305	200.0	209.2	
43 Ethyl acetate	70	3.235	3.235	0.000	100	17258	40.0	39.1	
44 Methyl acrylate	55	3.261	3.261	0.000	99	79610	20.0	20.0	
45 Methacrylonitrile	67	3.347	3.347	0.000	94	341384	200.0	215.0	
46 Chlorobromomethane	128	3.351	3.351	0.000	51	34181	20.0	20.2	
47 Tetrahydrofuran	42	3.403	3.403	0.000	97	54561	40.0	35.6	
48 Chloroform	83	3.429	3.429	0.000	98	112601	20.0	19.6	
$ 49 Dibromofluoromethane (Surr	113	3.568	3.568	0.000	97	139258	50.0	48.8	
50 1,1,1-Trichloroethane	97	3.590	3.590	0.000	97	84690	20.0	18.6	
51 Cyclohexane	56	3.643	3.643	0.000	95	92419	20.0	20.7	
53 Carbon tetrachloride	117	3.736	3.736	0.000	90	56473	20.0	17.2	
52 1,1-Dichloropropene	75	3.740	3.740	0.000	95	87965	20.0	21.0	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.871	3.871	0.000	97	192290	50.0	49.3	
55 Isobutyl alcohol	43	3.886	3.886	0.000	93	79330	500.0	434.8	
56 Benzene	78	3.927	3.927	0.000	96	269488	20.0	20.9	
57 1,2-Dichloroethane	62	3.942	3.942	0.000	97	98759	20.0	19.1	
58 Isooctane	57	4.024	4.024	0.000	92	105464	20.0	20.8	
59 Isopropyl acetate	43	4.036	4.036	0.000	78	235274	20.0	19.4	
60 Tert-amyl methyl ether	73	4.058	4.058	0.000	92	201328	20.0	20.5	
* 61 Fluorobenzene	96	4.204	4.204	0.000	98	589246	50.0	50.0	
62 n-Heptane	43	4.223	4.223	0.000	94	47453	20.0	21.3	
63 n-Butanol	56	4.563	4.563	0.000	93	46398	500.0	444.4	
64 Trichloroethene	95	4.578	4.578	0.000	98	62112	20.0	19.7	
65 Ethyl acrylate	55	4.732	4.732	0.000	99	87761	20.0	19.3	
66 Methylcyclohexane	83	4.784	4.784	0.000	96	66310	20.0	22.1	
67 1,2-Dichloropropane	63	4.810	4.810	0.000	92	68992	20.0	20.4	
* 68 1,4-Dioxane-d8	96	4.930	4.930	0.000	94	42679	1000.0	1000.0	
69 Dibromomethane	93	4.930	4.930	0.000	97	38267	20.0	18.9	
70 1,4-Dioxane	88	4.982	4.982	0.000	30	19650	400.0	396.0	
71 Methyl methacrylate	100	4.986	4.986	0.000	93	38846	40.0	39.6	
72 n-Propyl acetate	43	5.068	5.068	0.000	100	107980	20.0	20.1	
73 Dichlorobromomethane	83	5.128	5.128	0.000	98	72037	20.0	18.9	
74 2-Nitropropane	41	5.394	5.394	0.000	99	26240	40.0	28.0	
75 2-Chloroethyl vinyl ether	63	5.510	5.510	0.000	94	21098	20.0	12.1	M
76 Epichlorohydrin	57	5.555	5.555	0.000	100	151226	400.0	370.0	
77 cis-1,3-Dichloropropene	75	5.660	5.660	0.000	96	97679	20.0	19.8	
78 4-Methyl-2-pentanone (MIBK	43	5.881	5.881	0.000	98	353966	100.0	98.2	
$ 79 Toluene-d8 (Surr)	98	5.982	5.982	0.000	99	523814	50.0	50.8	
80 Toluene	91	6.068	6.068	0.000	93	249543	20.0	20.8	
81 trans-1,3-Dichloropropene	75	6.371	6.371	0.000	98	83532	20.0	19.4	
82 Ethyl methacrylate	69	6.554	6.554	0.000	93	76251	20.0	19.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 1,1,2-Trichloroethane	83	6.599	6.599	0.000	94	47434	20.0	20.8	
84 Tetrachloroethene	166	6.771	6.771	0.000	98	55468	20.0	20.0	
85 1,3-Dichloropropane	76	6.816	6.816	0.000	98	101872	20.0	20.8	
86 2-Hexanone	43	6.992	6.992	0.000	98	244427	100.0	94.4	
87 Chlorodibromomethane	129	7.115	7.115	0.000	99	46192	20.0	18.3	
88 n-Butyl acetate	43	7.217	7.217	0.000	97	102814	20.0	19.4	
89 Ethylene Dibromide	107	7.243	7.243	0.000	99	55784	20.0	19.8	
* 90 Chlorobenzene-d5	117	7.931	7.931	0.000	87	420277	50.0	50.0	
91 Chlorobenzene	112	7.972	7.972	0.000	93	155612	20.0	20.4	
92 1,1,1,2-Tetrachloroethane	131	8.111	8.111	0.000	91	45738	20.0	18.5	
93 Ethylbenzene	106	8.178	8.178	0.000	99	79355	20.0	20.1	
94 m-Xylene & p-Xylene	106	8.362	8.362	0.000	97	96962	20.0	20.4	
95 o-Xylene	106	8.953	8.953	0.000	93	97710	20.0	20.7	
96 Styrene	104	8.983	8.983	0.000	95	164828	20.0	21.5	
97 n-Butyl acrylate	73	9.031	9.031	0.000	99	41648	20.0	19.4	
98 Bromoform	173	9.207	9.207	0.000	96	24495	20.0	15.1	
99 Amyl acetate (mixed isomer	43	9.424	9.424	0.000	91	113440	20.0	19.7	
100 Isopropylbenzene	105	9.559	9.559	0.000	96	208570	20.0	19.5	
$ 101 4-Bromofluorobenzene	174	9.769	9.769	0.000	92	156397	50.0	47.6	
102 Bromobenzene	156	9.956	9.956	0.000	98	67624	20.0	19.6	
103 1,1,2,2-Tetrachloroethane	83	10.064	10.064	0.000	97	71068	20.0	20.4	
104 1,2,3-Trichloropropane	110	10.091	10.091	0.000	96	21127	20.0	18.8	
105 trans-1,4-Dichloro-2-buten	53	10.162	10.162	0.000	78	20119	20.0	17.7	
106 N-Propylbenzene	91	10.233	10.233	0.000	99	239242	20.0	21.3	
107 2-Chlorotoluene	91	10.311	10.311	0.000	96	184817	20.0	21.2	
108 4-Ethyltoluene	105	10.435	10.435	0.000	99	192299	20.0	19.4	
109 4-Chlorotoluene	91	10.502	10.502	0.000	98	181275	20.0	20.7	
110 1,3,5-Trimethylbenzene	105	10.551	10.551	0.000	92	175617	20.0	20.7	
111 Butyl Methacrylate	87	10.820	10.820	0.000	95	69865	20.0	20.2	
112 tert-Butylbenzene	119	11.071	11.071	0.000	94	122925	20.0	20.3	
113 1,2,4-Trimethylbenzene	105	11.150	11.150	0.000	98	187112	20.0	20.7	
114 sec-Butylbenzene	105	11.412	11.412	0.000	99	167993	20.0	22.0	
115 1,3-Dichlorobenzene	146	11.498	11.498	0.000	95	113852	20.0	19.9	
* 116 1,4-Dichlorobenzene-d4	152	11.595	11.595	0.000	97	219419	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.629	11.629	0.000	96	115843	20.0	20.3	
118 4-Isopropyltoluene	119	11.640	11.640	0.000	98	146885	20.0	21.2	
119 Benzyl chloride	126	11.831	11.831	0.000	98	16603	20.0	15.0	
120 2,3-Dihydroindene	117	11.958	11.958	0.000	94	211382	20.0	20.9	
121 1,2-Dichlorobenzene	146	12.085	12.085	0.000	96	114186	20.0	20.4	
122 p-Diethylbenzene	119	12.126	12.126	0.000	93	88352	20.0	21.0	
123 n-Butylbenzene	91	12.153	12.153	0.000	96	155852	20.0	20.8	
124 1,2-Dibromo-3-Chloropropan	75	12.935	12.935	0.000	90	13208	20.0	18.5	
125 1,2,4,5-Tetramethylbenzene	119	12.953	12.953	0.000	97	166446	20.0	20.7	
126 1,3,5-Trichlorobenzene	180	13.148	13.148	0.000	97	65014	20.0	19.4	
127 1,2,4-Trichlorobenzene	180	13.698	13.698	0.000	94	70347	20.0	19.8	
128 Hexachlorobutadiene	225	13.870	13.870	0.000	94	20964	20.0	20.0	
129 Naphthalene	128	13.896	13.896	0.000	99	227082	20.0	22.4	
130 1,2,3-Trichlorobenzene	180	14.098	14.098	0.000	95	65395	20.0	19.3	
S 131 1,2-Dichloroethene, Total	100				0		40.0	39.1	
S 132 Xylenes, Total	100				0		40.0	41.2	
S 133 Total BTEX	1				0		100.0	103.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00056	Amount Added:	4.00	Units: uL	
GASES Li_00174	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00043	Amount Added:	20.00	Units: uL	
8260ISNEW_00090	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00139	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 07-Oct-2016 13:22:26 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15946.D

Injection Date: 07-Oct-2016 06:19:30 Instrument ID: CVOAMS12 Operator ID:

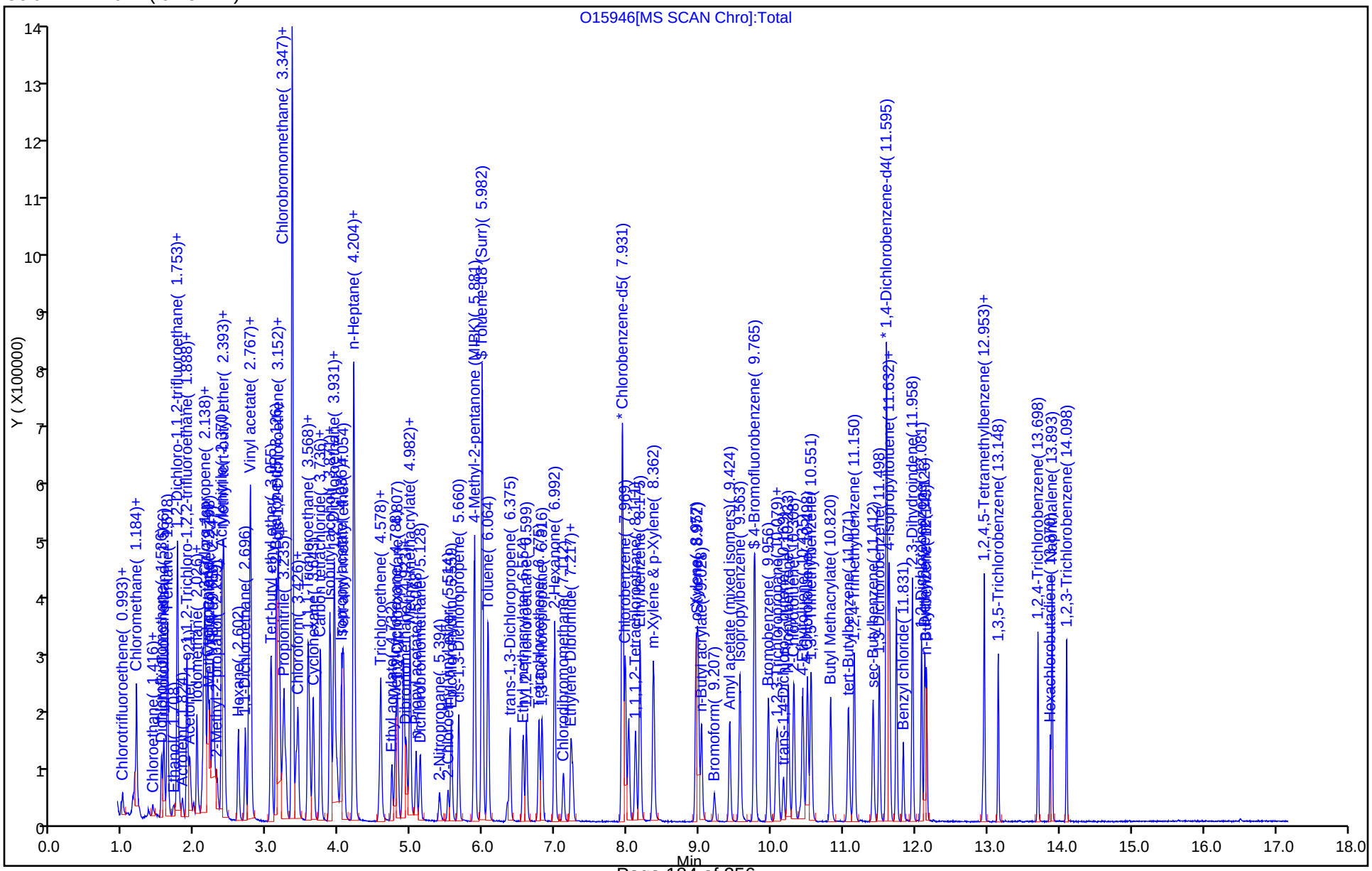
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 1

Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

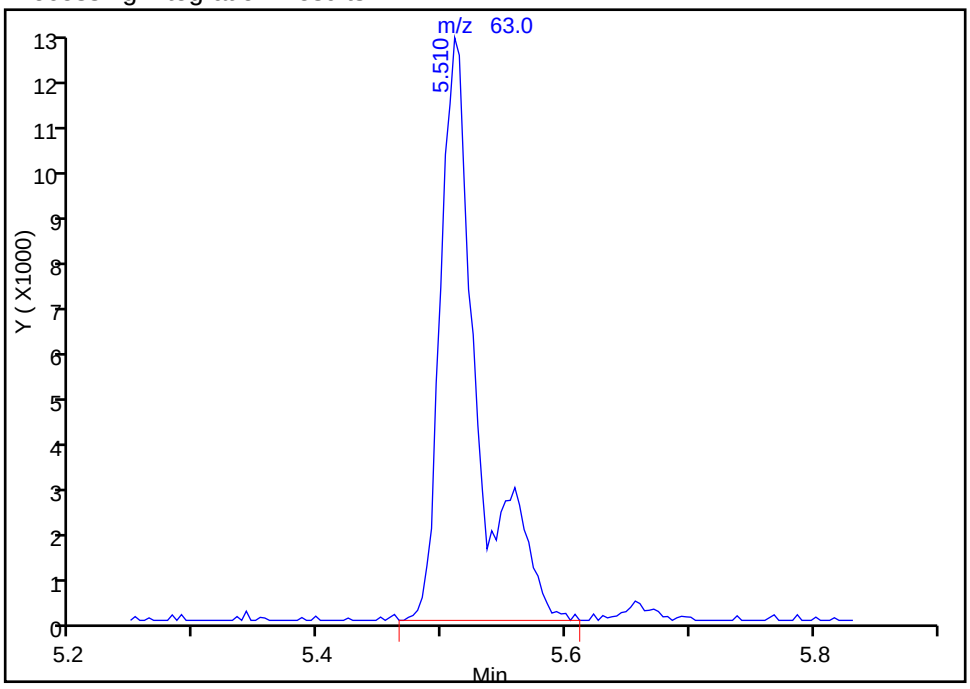
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15946.D
Injection Date: 07-Oct-2016 06:19:30 Instrument ID: CVOAMS12
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

75 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

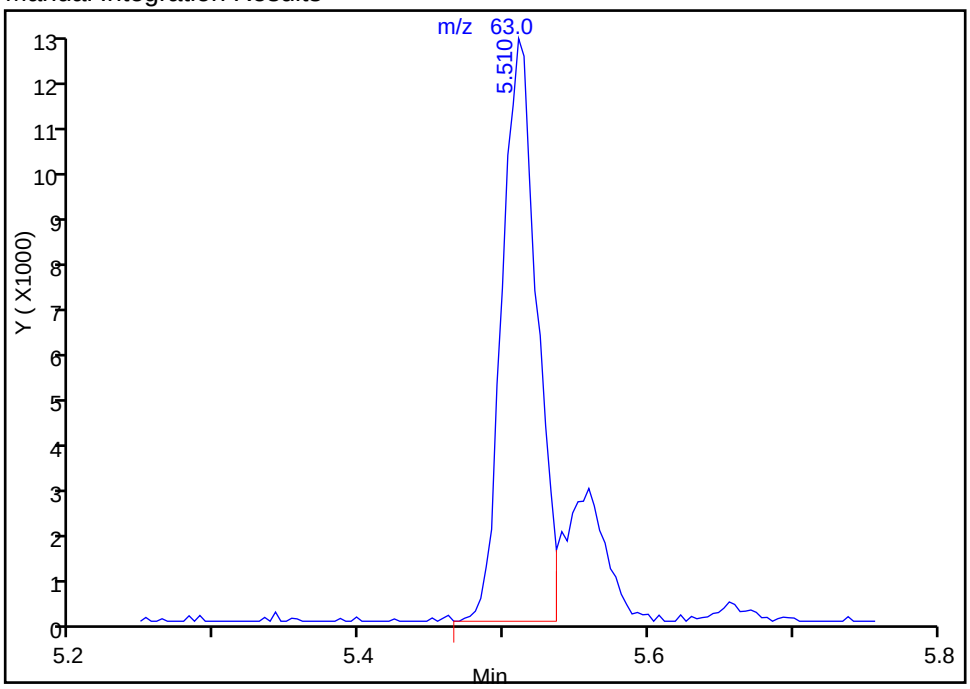
Processing Integration Results

RT: 5.51
Area: 26496
Amount: 15.197392
Amount Units: ug/l



Manual Integration Results

RT: 5.51
Area: 21098
Amount: 12.101245
Amount Units: ug/l



Reviewer: delpolitov, 07-Oct-2016 13:22:23
Audit Action: Split an Integrated Peak Audit Reason: Wrong peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Lab Sample ID: CCVIS 460-395751/2 Calibration Date: 10/07/2016 17:40

Instrument ID: CVOAMS12 Calib Start Date: 09/30/2016 16:16

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/30/2016 19:03

Lab File ID: O15971.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.0400	0.0339		16.9	20.0	-15.3	20.0
Dichlorodifluoromethane	Ave	0.3751	0.3052	0.1000	16.3	20.0	-18.6	20.0
Chloromethane	Ave	0.3633	0.3323	0.1000	18.3	20.0	-8.6	20.0
Vinyl chloride	Ave	0.3630	0.3485	0.1000	19.2	20.0	-4.0	20.0
Butadiene	Ave	0.3256	0.3246		19.9	20.0	-0.3	20.0
Bromomethane	Ave	0.3903	0.6530	0.1000	33.5	20.0	67.3*	50.0
Chloroethane	Ave	0.1409	0.2380	0.1000	33.8	20.0	68.9*	50.0
Dichlorofluoromethane	Ave	0.5386	0.5846		21.7	20.0	8.5	20.0
Trichlorofluoromethane	Ave	0.3663	0.3880	0.1000	21.2	20.0	5.9	20.0
Pentane	Ave	0.0394	0.0388		39.4	40.0	-1.4	20.0
Ethanol	Ave	0.0706	0.0764		865	800	8.2	50.0
Ethyl ether	Ave	0.2794	0.2689		19.3	20.0	-3.7	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2011	0.1936		19.3	20.0	-3.7	20.0
2-Methyl-1,3-butadiene	Ave	0.2556	0.2233		17.5	20.0	-12.7	20.0
Acrolein	Ave	1.490	1.443		38.8	40.0	-3.1	50.0
1,1-Dichloroethene	Ave	0.2270	0.2113	0.1000	18.6	20.0	-6.9	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2028	0.1992	0.1000	19.6	20.0	-1.8	20.0
Acetone	Ave	0.2713	0.1915	0.0500	70.6	100	-29.4	50.0
Iodomethane	QuaF		0.1191		9.90	20.0	-50.5*	20.0
Isopropyl alcohol	Ave	0.7971	0.7784		195	200	-2.3	50.0
Carbon disulfide	Ave	0.7120	0.6543	0.1000	18.4	20.0	-8.1	50.0
Acetonitrile	Ave	3.173	3.554		224	200	12.0	20.0
Allyl chloride	Ave	0.1611	0.1441		17.9	20.0	-10.5	20.0
Methyl acetate	Ave	1.710	1.809	0.1000	106	100	5.7	20.0
Cyclopentene	Ave	0.6472	0.6098		18.8	20.0	-5.8	20.0
Methylene Chloride	Ave	0.2867	0.2715	0.1000	18.9	20.0	-5.3	20.0
2-Methyl-2-propanol	Qua2		1.217		201	200	0.4	50.0
Acrylonitrile	Ave	0.1258	0.1139		181	200	-9.5	20.0
trans-1,2-Dichloroethene	Ave	0.2767	0.2721	0.1000	19.7	20.0	-1.6	20.0
Methyl tert-butyl ether	Ave	0.9710	0.9034	0.1000	18.6	20.0	-7.0	20.0
Hexane	Ave	0.2520	0.2586		20.5	20.0	2.6	20.0
1,1-Dichloroethane	Ave	0.5311	0.5214	0.2000	19.6	20.0	-1.8	20.0
Vinyl acetate	Ave	0.0550	0.0557		40.5	40.0	1.2	20.0
Isopropyl ether	Ave	1.042	1.013		19.4	20.0	-2.8	20.0
2-Chloro-1,3-butadiene	Ave	0.2566	0.2406		18.7	20.0	-6.3	20.0
Tert-butyl ethyl ether	Ave	0.999	0.9502		19.0	20.0	-4.9	20.0
2,2-Dichloropropane	Ave	0.0930	0.0809		17.4	20.0	-13.0	20.0
cis-1,2-Dichloroethene	Ave	0.3131	0.2830	0.1000	18.1	20.0	-9.6	20.0
2-Butanone	Ave	0.2940	0.2691	0.0500	91.5	100	-8.5	50.0
Propionitrile	Ave	1.587	1.766		223	200	11.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Lab Sample ID: CCVIS 460-395751/2 Calibration Date: 10/07/2016 17:40

Instrument ID: CVOAMS12 Calib Start Date: 09/30/2016 16:16

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/30/2016 19:03

Lab File ID: O15971.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethyl acetate	Ave	0.2397	0.2382		39.7	40.0	-0.6	20.0
Methyl acrylate	Ave	0.3371	0.2998		17.8	20.0	-11.1	20.0
Methacrylonitrile	Ave	0.1347	0.1353		201	200	0.4	20.0
Chlorobromomethane	Ave	0.1437	0.1360		18.9	20.0	-5.4	20.0
Tetrahydrofuran	Ave	0.8337	0.7641		36.7	40.0	-8.4	20.0
Chloroform	Ave	0.4870	0.4561	0.2000	18.7	20.0	-6.3	20.0
1,1,1-Trichloroethane	Ave	0.3863	0.3448	0.1000	17.9	20.0	-10.7	20.0
Cyclohexane	Ave	0.3784	0.3732	0.1000	19.7	20.0	-1.4	50.0
Carbon tetrachloride	Ave	0.2790	0.2385	0.1000	17.1	20.0	-14.5	20.0
1,1-Dichloropropene	Ave	0.3559	0.3489		19.6	20.0	-2.0	20.0
Isobutyl alcohol	Ave	0.4873	0.4417		453	500	-9.4	50.0
Benzene	Ave	1.532	1.512	0.5000	19.7	20.0	-1.3	20.0
1,2-Dichloroethane	Ave	0.4398	0.3991	0.1000	18.1	20.0	-9.3	20.0
Isopropyl acetate	Ave	1.032	0.0687		1.33	20.0	-93.3*	20.0
2,2,4-Trimethylpentane	Ave	0.4309	0.4124		19.1	20.0	-4.3	20.0
Tert-amyl methyl ether	Ave	0.8342	0.7682		18.4	20.0	-7.9	20.0
n-Heptane	Ave	0.1893	0.2010		21.2	20.0	6.2	20.0
n-Butanol	Ave	0.2789	0.2488		446	500	-10.8	50.0
Trichloroethene	Ave	0.2669	0.2488	0.2000	18.6	20.0	-6.8	20.0
Ethyl acrylate	Ave	0.3861	0.3493		18.1	20.0	-9.5	20.0
Methylcyclohexane	Ave	0.2549	0.2677	0.1000	21.0	20.0	5.0	50.0
1,2-Dichloropropane	Ave	0.2871	0.2663	0.1000	18.5	20.0	-7.3	20.0
Dibromomethane	Ave	0.1721	0.1641		19.1	20.0	-4.6	20.0
1,4-Dioxane	Ave	1.163	1.131		389	400	-2.7	50.0
Methyl methacrylate	Ave	0.0832	0.0727		34.9	40.0	-12.7	20.0
n-Propyl acetate	Ave	0.4568	0.4253		18.6	20.0	-6.9	20.0
Bromodichloromethane	Ave	0.3226	0.2992	0.2000	18.5	20.0	-7.3	20.0
2-Nitropropane	Ave	0.0796	0.0542		27.3	40.0	-31.9*	20.0
2-Chloroethyl vinyl ether	Ave	0.1479	0.0844		11.4	20.0	-43.0*	20.0
Epichlorohydrin	Ave	0.2222	0.2121		382	400	-4.5	20.0
cis-1,3-Dichloropropene	Ave	0.5866	0.5612	0.2000	19.1	20.0	-4.3	50.0
MIBK	Ave	1.959	1.928	0.0500	98.4	100	-1.6	50.0
Toluene	Ave	1.428	1.427	0.4000	20.0	20.0	-0.0	20.0
trans-1,3-Dichloropropene	Ave	0.5126	0.4755	0.1000	18.6	20.0	-7.2	50.0
Ethyl methacrylate	Ave	0.4761	0.4446		18.7	20.0	-6.6	20.0
1,1,2-Trichloroethane	Ave	0.2711	0.1420	0.1000	10.5	20.0	-47.6*	20.0
Tetrachloroethene	Ave	0.3292	0.3049	0.2000	18.5	20.0	-7.4	20.0
1,3-Dichloropropane	Ave	0.5814	0.5671		19.5	20.0	-2.5	20.0
2-Hexanone	Ave	1.408	1.333	0.0500	94.7	100	-5.3	50.0
Dibromochloromethane	Ave	0.3002	0.2338	0.1000	15.6	20.0	-22.1	50.0
n-Butyl acetate	Ave	0.6297	0.5828		18.5	20.0	-7.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Lab Sample ID: CCVIS 460-395751/2 Calibration Date: 10/07/2016 17:40

Instrument ID: CVOAMS12 Calib Start Date: 09/30/2016 16:16

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/30/2016 19:03

Lab File ID: O15971.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethylene Dibromide	Ave	0.3356	0.3142	0.1000	18.7	20.0	-6.4	20.0
Chlorobenzene	Ave	0.9077	0.8901	0.5000	19.6	20.0	-1.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2939	0.2528		17.2	20.0	-14.0	20.0
Ethylbenzene	Ave	0.4688	0.4560	0.1000	19.5	20.0	-2.7	20.0
m-Xylene & p-Xylene	Ave	0.5642	0.5344	0.1000	18.9	20.0	-5.3	20.0
o-Xylene	Ave	0.5614	0.5591	0.3000	19.9	20.0	-0.4	20.0
Styrene	Ave	0.9120	0.8881	0.3000	19.5	20.0	-2.6	20.0
n-Butyl acrylate	Ave	0.2549	0.2246		17.6	20.0	-11.9	20.0
Bromoform	Ave	0.1924	0.1508	0.1000	15.7	20.0	-21.6*	20.0
Amyl acetate (mixed isomers)	Ave	1.314	1.275		19.4	20.0	-3.0	20.0
Isopropylbenzene	Ave	1.270	1.233	0.1000	19.4	20.0	-2.9	20.0
Bromobenzene	Ave	0.7844	0.8028		20.5	20.0	2.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7953	0.8341	0.3000	21.0	20.0	4.9	20.0
1,2,3-Trichloropropane	Ave	0.2557	0.2530		19.8	20.0	-1.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2595	0.2450		18.9	20.0	-5.6	20.0
N-Propylbenzene	Ave	2.559	2.719		21.3	20.0	6.3	20.0
2-Chlorotoluene	Ave	1.991	2.091		21.0	20.0	5.0	20.0
4-Ethyltoluene	Ave	2.257	2.413		21.4	20.0	6.9	20.0
4-Chlorotoluene	Ave	1.998	2.157		21.6	20.0	8.0	20.0
1,3,5-Trimethylbenzene	Ave	1.930	2.111		21.9	20.0	9.4	20.0
Butyl Methacrylate	Ave	0.7882	0.8084		20.5	20.0	2.6	20.0
tert-Butylbenzene	Ave	1.383	1.408		20.4	20.0	1.8	20.0
1,2,4-Trimethylbenzene	Ave	2.058	2.180		21.2	20.0	5.9	20.0
sec-Butylbenzene	Ave	1.742	1.870		21.5	20.0	7.4	20.0
1,3-Dichlorobenzene	Ave	1.304	1.284	0.6000	19.7	20.0	-1.5	20.0
1,4-Dichlorobenzene	Ave	1.298	1.291	0.5000	19.9	20.0	-0.5	20.0
4-Isopropyltoluene	Ave	1.580	1.614		20.4	20.0	2.2	20.0
Benzyl chloride	Qua2		0.1937		15.3	20.0	-23.4	50.0
Indan	Ave	2.303	2.421		21.0	20.0	5.1	20.0
1,2-Dichlorobenzene	Ave	1.274	1.341	0.4000	21.0	20.0	5.2	20.0
p-Diethylbenzene	Ave	0.9597	0.9739		20.3	20.0	1.5	20.0
n-Butylbenzene	Ave	1.703	1.847		21.7	20.0	8.4	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1627	0.1513	0.0500	18.6	20.0	-7.0	50.0
1,2,4,5-Tetramethylbenzene	Ave	1.830	2.035		22.2	20.0	11.2	20.0
1,3,5-Trichlorobenzene	Ave	0.7622	0.7932		20.8	20.0	4.1	20.0
1,2,4-Trichlorobenzene	Ave	0.8090	0.8329	0.2000	20.6	20.0	3.0	20.0
Hexachlorobutadiene	Ave	0.2391	0.2202		18.4	20.0	-7.9	20.0
Naphthalene	Ave	2.314	2.437		21.1	20.0	5.3	50.0
1,2,3-Trichlorobenzene	Ave	0.7702	0.6988		18.1	20.0	-9.3	20.0
Dibromofluoromethane (Surr)	Ave	0.2422	0.2435		50.3	50.0	0.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3311	0.3144		47.5	50.0	-5.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Lab Sample ID: CCVIS 460-395751/2 Calibration Date: 10/07/2016 17:40

Instrument ID: CVOAMS12 Calib Start Date: 09/30/2016 16:16

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/30/2016 19:03

Lab File ID: O15971.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene-d8 (Surr)	Ave	1.227	1.304		53.1	50.0	6.3	20.0
Bromofluorobenzene	Ave	0.3910	0.3727		47.7	50.0	-4.7	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15971.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Oct-2016 17:40:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0046589-002
Operator ID: Instrument ID: CVOAMS12
Sublist: chrom-8260W_12*sub10

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Oct-2016 20:56:18 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: starzecm Date: 07-Oct-2016 20:56:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.975	0.975	0.000	89	8353	20.0	16.9	
2 Dichlorodifluoromethane	85	0.993	0.993	0.000	99	75194	20.0	16.3	
3 Chloromethane	50	1.135	1.135	0.000	99	81872	20.0	18.3	
4 Vinyl chloride	62	1.162	1.162	0.000	98	85865	20.0	19.2	
5 Butadiene	54	1.184	1.184	0.000	97	79978	20.0	19.9	
6 Bromomethane	94	1.356	1.356	0.000	98	22503	20.0	33.5	
7 Chloroethane	64	1.416	1.416	0.000	100	58652	20.0	33.8	
8 Dichlorofluoromethane	67	1.536	1.536	0.000	98	144044	20.0	21.7	
9 Trichlorofluoromethane	101	1.573	1.573	0.000	99	95617	20.0	21.2	
10 Pentane	72	1.618	1.618	0.000	96	19139	40.0	39.4	
11 Ethanol	46	1.682	1.682	0.000	95	20122	800.0	865.4	
12 Ethyl ether	59	1.745	1.745	0.000	96	66265	20.0	19.3	
13 1,2-Dichloro-1,1,2-trifluo	117	1.749	1.749	0.000	92	47716	20.0	19.3	
14 2-Methyl-1,3-butadiene	53	1.764	1.764	0.000	98	55015	20.0	17.5	
15 Acrolein	56	1.820	1.820	0.000	97	19002	40.0	38.8	
16 1,1-Dichloroethene	96	1.888	1.888	0.000	96	52068	20.0	18.6	
17 1,1,2-Trichloro-1,2,2-trif	101	1.891	1.891	0.000	97	49092	20.0	19.6	
18 Acetone	58	1.918	1.918	0.000	86	32999	100.0	70.6	
19 Iodomethane	142	1.981	1.981	0.000	99	29335	20.0	9.90	
20 Isopropyl alcohol	45	2.011	2.011	0.000	98	51242	200.0	195.3	
21 Carbon disulfide	76	2.026	2.026	0.000	100	161227	20.0	18.4	
23 Acetonitrile	41	2.120	2.120	0.000	80	233943	200.0	224.0	
22 3-Chloro-1-propene	76	2.120	2.120	0.000	89	35510	20.0	17.9	
24 Methyl acetate	74	2.135	2.135	0.000	99	59529	100.0	105.7	
25 Cyclopentene	67	2.180	2.180	0.000	96	150267	20.0	18.8	
26 Methylene Chloride	84	2.202	2.202	0.000	98	66896	20.0	18.9	
* 27 TBA-d9 (IS)	65	2.232	2.232	0.000	97	329148	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.288	2.288	0.000	99	80089	200.0	200.8	
29 Acrylonitrile	53	2.367	2.367	0.000	94	280588	200.0	181.0	
30 trans-1,2-Dichloroethene	96	2.393	2.393	0.000	96	67054	20.0	19.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Methyl tert-butyl ether	73	2.400	2.400	0.000	98	222615	20.0	18.6	
32 Hexane	57	2.602	2.602	0.000	93	63724	20.0	20.5	
33 1,1-Dichloroethane	63	2.692	2.692	0.000	100	128484	20.0	19.6	
34 Vinyl acetate	86	2.741	2.741	0.000	100	27430	40.0	40.5	
35 Isopropyl ether	45	2.767	2.767	0.000	91	249538	20.0	19.4	
36 2-Chloro-1,3-butadiene	88	2.771	2.771	0.000	82	59277	20.0	18.7	
37 Tert-butyl ethyl ether	59	3.051	3.051	0.000	88	234138	20.0	19.0	
* 38 2-Butanone-d5	46	3.123	3.123	0.000	35	430744	250.0	250.0	
39 2,2-Dichloropropane	97	3.152	3.152	0.000	69	19941	20.0	17.4	
40 cis-1,2-Dichloroethene	96	3.152	3.152	0.000	91	69723	20.0	18.1	
41 2-Butanone (MEK)	72	3.171	3.171	0.000	99	46358	100.0	91.5	
42 Propionitrile	54	3.216	3.216	0.000	97	116279	200.0	222.6	
43 Ethyl acetate	70	3.231	3.231	0.000	99	16419	40.0	39.7	
44 Methyl acrylate	55	3.261	3.261	0.000	99	73875	20.0	17.8	
45 Methacrylonitrile	67	3.343	3.343	0.000	94	333442	200.0	200.8	
46 Chlorobromomethane	128	3.355	3.355	0.000	98	33516	20.0	18.9	
47 Tetrahydrofuran	42	3.396	3.396	0.000	98	52662	40.0	36.7	
48 Chloroform	83	3.426	3.426	0.000	98	112387	20.0	18.7	
$ 49 Dibromofluoromethane (Surr	113	3.568	3.568	0.000	97	150005	50.0	50.3	
50 1,1,1-Trichloroethane	97	3.590	3.590	0.000	97	84964	20.0	17.9	
51 Cyclohexane	56	3.643	3.643	0.000	94	91970	20.0	19.7	
53 Carbon tetrachloride	117	3.736	3.736	0.000	89	58758	20.0	17.1	
52 1,1-Dichloropropene	75	3.740	3.740	0.000	94	85973	20.0	19.6	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.875	3.875	0.000	96	193704	50.0	47.5	
55 Isobutyl alcohol	43	3.882	3.882	0.000	97	72689	500.0	453.2	
56 Benzene	78	3.931	3.931	0.000	96	261190	20.0	19.7	
57 1,2-Dichloroethane	62	3.942	3.942	0.000	99	98336	20.0	18.1	
59 Isopropyl acetate	43	3.965	3.965	0.000	50	16926	20.0	1.33	
58 Isooctane	57	4.032	4.032	0.000	65	101626	20.0	19.1	
60 Tert-amyl methyl ether	73	4.058	4.058	0.000	95	189297	20.0	18.4	
* 61 Fluorobenzene	96	4.204	4.204	0.000	99	616039	50.0	50.0	
62 n-Heptane	43	4.223	4.223	0.000	95	49535	20.0	21.2	
63 n-Butanol	56	4.556	4.556	0.000	93	40939	500.0	446.0	
64 Trichloroethene	95	4.578	4.578	0.000	97	61310	20.0	18.6	
65 Ethyl acrylate	55	4.724	4.724	0.000	98	86072	20.0	18.1	
66 Methylcyclohexane	83	4.784	4.784	0.000	97	65954	20.0	21.0	
67 1,2-Dichloropropane	63	4.807	4.807	0.000	90	65609	20.0	18.5	
* 68 1,4-Dioxane-d8	96	4.923	4.923	0.000	92	41937	1000.0	1000.0	
69 Dibromomethane	93	4.930	4.930	0.000	97	40434	20.0	19.1	
70 1,4-Dioxane	88	4.979	4.979	0.000	30	18976	400.0	389.2	
71 Methyl methacrylate	100	4.982	4.982	0.000	93	35820	40.0	34.9	
72 n-Propyl acetate	43	5.065	5.065	0.000	99	104811	20.0	18.6	
73 Dichlorobromomethane	83	5.125	5.125	0.000	99	73727	20.0	18.5	
74 2-Nitropropane	41	5.390	5.390	0.000	97	26723	40.0	27.3	
75 2-Chloroethyl vinyl ether	63	5.510	5.510	0.000	94	20787	20.0	11.4	
76 Epichlorohydrin	57	5.555	5.555	0.000	100	146161	400.0	381.9	
77 cis-1,3-Dichloropropene	75	5.660	5.660	0.000	96	96981	20.0	19.1	
78 4-Methyl-2-pentanone (MIBK	43	5.877	5.877	0.000	98	332184	100.0	98.4	
$ 79 Toluene-d8 (Surr)	98	5.985	5.985	0.000	99	563415	50.0	53.1	
80 Toluene	91	6.064	6.064	0.000	90	246560	20.0	20.0	
81 trans-1,3-Dichloropropene	75	6.375	6.375	0.000	98	82174	20.0	18.6	
82 Ethyl methacrylate	69	6.550	6.550	0.000	92	76819	20.0	18.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 1,1,2-Trichloroethane	83	6.595	6.595	0.000	87	24532	20.0	10.5	
84 Tetrachloroethene	166	6.771	6.771	0.000	98	52691	20.0	18.5	
85 1,3-Dichloropropane	76	6.816	6.816	0.000	96	97991	20.0	19.5	
86 2-Hexanone	43	6.992	6.992	0.000	99	229625	100.0	94.7	
87 Chlorodibromomethane	129	7.119	7.119	0.000	97	40397	20.0	15.6	
88 n-Butyl acetate	43	7.217	7.217	0.000	98	100716	20.0	18.5	
89 Ethylene Dibromide	107	7.239	7.239	0.000	98	54293	20.0	18.7	
* 90 Chlorobenzene-d5	117	7.931	7.931	0.000	88	432006	50.0	50.0	
91 Chlorobenzene	112	7.969	7.969	0.000	92	153814	20.0	19.6	
92 1,1,1,2-Tetrachloroethane	131	8.111	8.111	0.000	91	43678	20.0	17.2	
93 Ethylbenzene	106	8.175	8.175	0.000	99	78793	20.0	19.5	
94 m-Xylene & p-Xylene	106	8.362	8.362	0.000	98	92344	20.0	18.9	
95 o-Xylene	106	8.957	8.957	0.000	93	96617	20.0	19.9	
96 Styrene	104	8.983	8.983	0.000	95	153470	20.0	19.5	
97 n-Butyl acrylate	73	9.032	9.032	0.000	96	38810	20.0	17.6	
98 Bromoform	173	9.211	9.211	0.000	96	26052	20.0	15.7	
99 Amyl acetate (mixed isomer	43	9.424	9.424	0.000	90	103815	20.0	19.4	
100 Isopropylbenzene	105	9.563	9.563	0.000	97	213140	20.0	19.4	
$ 101 4-Bromofluorobenzene	174	9.769	9.769	0.000	91	160998	50.0	47.7	
102 Bromobenzene	156	9.960	9.960	0.000	97	65368	20.0	20.5	
103 1,1,2,2-Tetrachloroethane	83	10.068	10.068	0.000	97	67919	20.0	21.0	
104 1,2,3-Trichloropropane	110	10.091	10.091	0.000	97	20603	20.0	19.8	
105 trans-1,4-Dichloro-2-buten	53	10.169	10.169	0.000	78	19952	20.0	18.9	
106 N-Propylbenzene	91	10.233	10.233	0.000	99	221397	20.0	21.3	
107 2-Chlorotoluene	91	10.311	10.311	0.000	97	170254	20.0	21.0	
108 4-Ethyltoluene	105	10.431	10.431	0.000	98	196499	20.0	21.4	
109 4-Chlorotoluene	91	10.499	10.499	0.000	98	175595	20.0	21.6	
110 1,3,5-Trimethylbenzene	105	10.551	10.551	0.000	92	171890	20.0	21.9	
111 Butyl Methacrylate	87	10.820	10.820	0.000	94	65821	20.0	20.5	
112 tert-Butylbenzene	119	11.071	11.071	0.000	92	114666	20.0	20.4	
113 1,2,4-Trimethylbenzene	105	11.146	11.146	0.000	98	177503	20.0	21.2	
114 sec-Butylbenzene	105	11.412	11.412	0.000	99	152233	20.0	21.5	
115 1,3-Dichlorobenzene	146	11.498	11.498	0.000	95	104516	20.0	19.7	
* 116 1,4-Dichlorobenzene-d4	152	11.599	11.599	0.000	98	203565	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.629	11.629	0.000	95	105123	20.0	19.9	
118 4-Isopropyltoluene	119	11.644	11.644	0.000	99	131429	20.0	20.4	
119 Benzyl chloride	126	11.831	11.831	0.000	98	15770	20.0	15.3	
120 2,3-Dihydroindene	117	11.958	11.958	0.000	94	197103	20.0	21.0	
121 1,2-Dichlorobenzene	146	12.085	12.085	0.000	96	109194	20.0	21.0	
122 p-Diethylbenzene	119	12.126	12.126	0.000	94	79302	20.0	20.3	
123 n-Butylbenzene	91	12.153	12.153	0.000	98	150360	20.0	21.7	
124 1,2-Dibromo-3-Chloropropan	75	12.935	12.935	0.000	95	12318	20.0	18.6	
125 1,2,4,5-Tetramethylbenzene	119	12.953	12.953	0.000	96	165663	20.0	22.2	
126 1,3,5-Trichlorobenzene	180	13.148	13.148	0.000	97	64584	20.0	20.8	
127 1,2,4-Trichlorobenzene	180	13.698	13.698	0.000	94	67823	20.0	20.6	
128 Hexachlorobutadiene	225	13.870	13.870	0.000	93	17926	20.0	18.4	
129 Naphthalene	128	13.893	13.893	0.000	99	198454	20.0	21.1	
130 1,2,3-Trichlorobenzene	180	14.099	14.099	0.000	92	56902	20.0	18.1	
S 131 1,2-Dichloroethene, Total	100				0		40.0	37.7	
S 132 Xylenes, Total	100				0		40.0	38.9	
S 133 Total BTEX	1				0		100.0	98.0	

Reagents:

ACROLEIN W_00056	Amount Added:	4.00	Units: uL	
GASES Li_00174	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00043	Amount Added:	20.00	Units: uL	
8260ISNEW_00090	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00139	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 07-Oct-2016 20:56:19 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15971.D

Injection Date: 07-Oct-2016 17:40:30 Instrument ID: CVOAMS12 Operator ID:

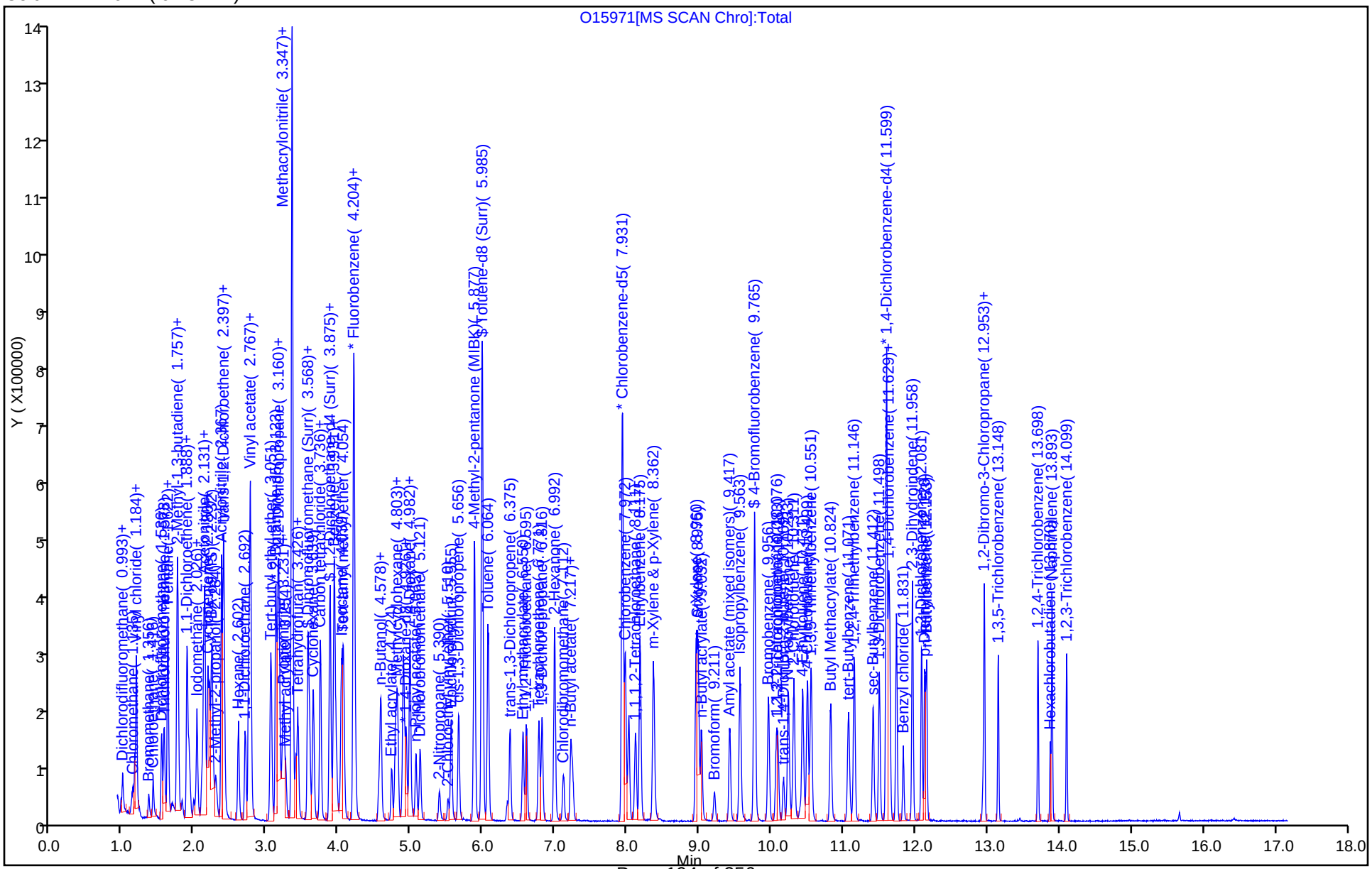
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 1

Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15605.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 30-Sep-2016 15:48:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0046245-001
Operator ID: Instrument ID: CVOAMS12

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 01-Oct-2016 00:17:15 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: martineze Date: 30-Sep-2016 15:58:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 135 BFB	95	2.490	2.490	0.000	93	59060	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

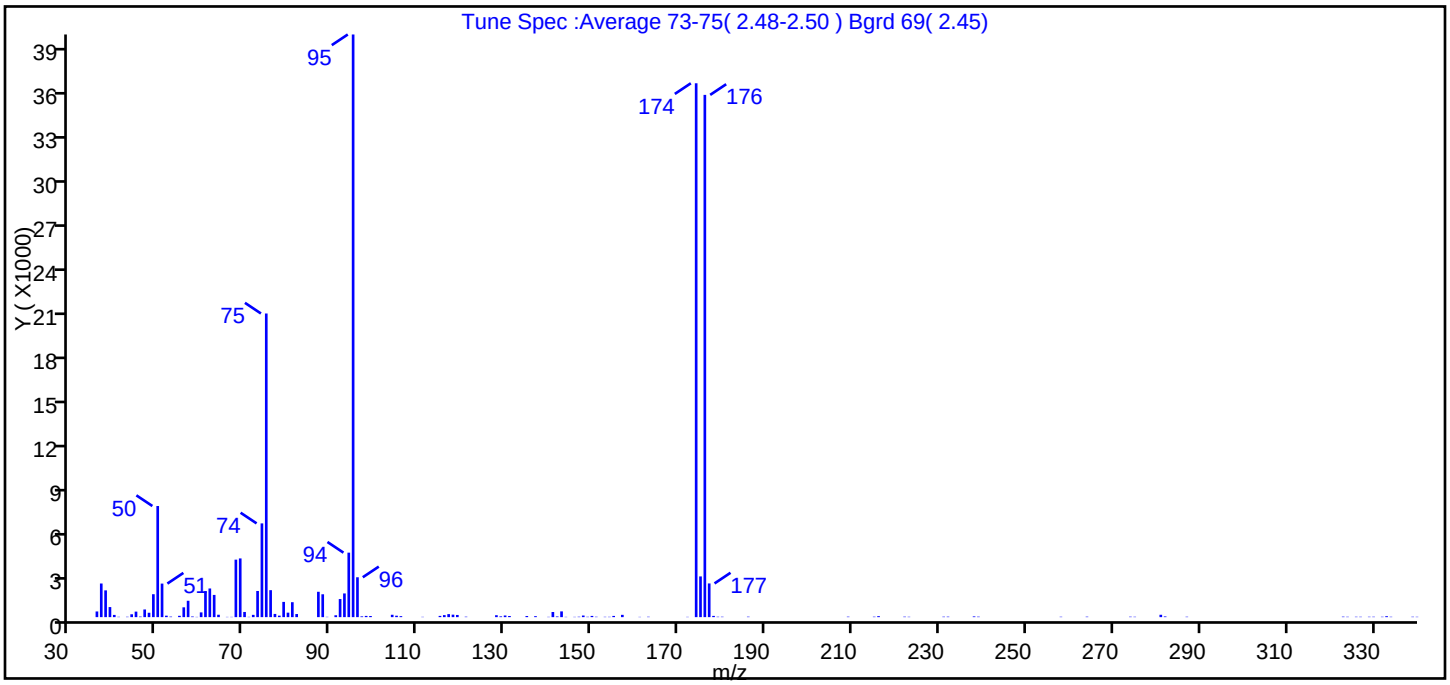
BFB_00012 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15605.D
Injection Date: 30-Sep-2016 15:48:30 Instrument ID: CVOAMS12
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 135 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.1
75	30 to 60% of m/z 95	52.1
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	91.6
175	5 to 9% of m/z 174	7.0 (7.6)
176	Greater than 95% but less than 101% of m/z 174	89.6 (97.8)
177	5 to 9% of m/z 176	5.8 (6.5)

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15605.D\8260W_12.rslt\spectra.d
Injection Date: 30-Sep-2016 15:48:30
Spectrum: Tune Spec :Average 73-75(2.48-2.50) Bgrd 69(2.45)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 125

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	388	71.00	19	119.00	149	180.00	28
37.00	2295	72.00	156	121.00	31	186.00	31
38.00	1827	73.00	1784	128.00	131	209.00	32
39.00	687	74.00	6395	129.00	53	215.00	31
40.00	152	75.00	20712	130.00	112	216.00	66
41.00	23	76.00	1840	131.00	78	222.00	32
43.00	26	77.00	219	135.00	76	223.00	25
44.00	196	78.00	102	137.00	67	231.00	31
45.00	377	79.00	1040	140.00	20	232.00	33
46.00	38	80.00	306	141.00	351	238.00	49
47.00	523	81.00	1019	142.00	46	239.00	33
48.00	299	82.00	212	143.00	393	258.00	27
49.00	1564	87.00	1730	144.00	19	264.00	32
50.00	7580	88.00	1560	146.00	19	274.00	31
51.00	2289	89.00	21	147.00	28	275.00	26
52.00	100	91.00	128	148.00	110	281.00	162
53.00	37	92.00	1235	149.00	25	282.00	47
55.00	91	93.00	1617	150.00	84	287.00	28
56.00	670	94.00	4399	151.00	27	323.00	34
57.00	1117	95.00	39744	153.00	23	324.00	26
58.00	44	96.00	2720	154.00	22	326.00	27
59.00	17	97.00	53	155.00	83	327.00	26
60.00	324	98.00	84	157.00	157	329.00	27
61.00	1775	99.00	77	161.00	18	330.00	28
62.00	1955	104.00	162	163.00	27	332.00	27
63.00	1516	105.00	98	172.00	19	333.00	64
64.00	164	106.00	67	174.00	36416	334.00	26
66.00	17	111.00	20	175.00	2778	339.00	28
67.00	18	115.00	85	176.00	35624	340.00	24
68.00	3921	116.00	139	177.00	2299		
69.00	4005	117.00	206	178.00	85		
70.00	353	118.00	170	179.00	28		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15945.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 07-Oct-2016 05:27:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0046552-001
Operator ID: Instrument ID: CVOAMS12

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Oct-2016 12:24:18 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: tupayachia Date: 07-Oct-2016 12:24:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 135 BFB	95	2.505	2.505	0.000	83	94862	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

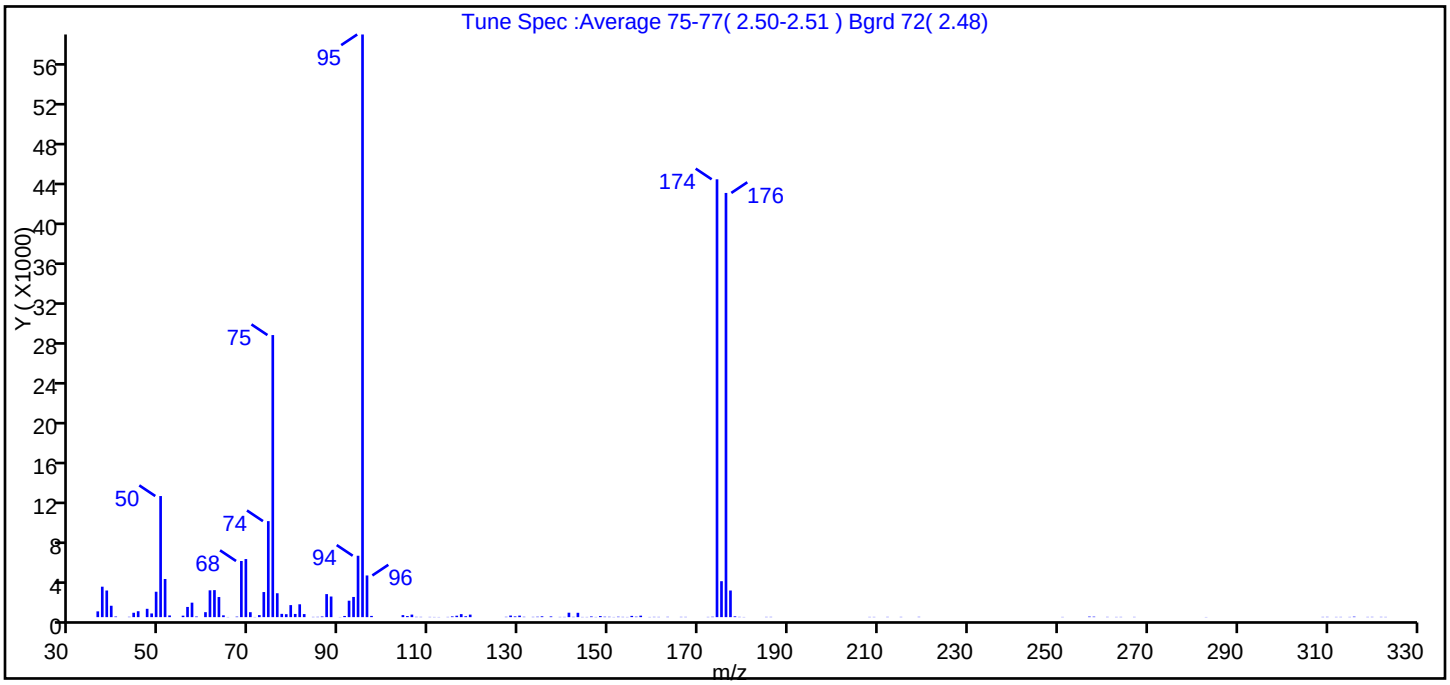
BFB_00013 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15945.D
Injection Date: 07-Oct-2016 05:27:30 Instrument ID: CVOAMS12
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 135 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.8
75	30 to 60% of m/z 95	48.4
96	5 to 9% of m/z 95	7.2
173	Less than 2% of m/z 174	0.1 (0.1)
174	50 to 120% of m/z 95	75.1
175	5 to 9% of m/z 174	6.2 (8.2)
176	Greater than 95% but less than 101% of m/z 174	72.8 (96.9)
177	5 to 9% of m/z 176	4.6 (6.3)

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15945.D\8260W_12.rslt\spectra.d
Injection Date: 07-Oct-2016 05:27:30
Spectrum: Tune Spec :Average 75-77(2.50-2.51) Bgrd 72(2.48)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 135

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	580	77.00	329	128.00	160	173.00	41
37.00	3056	78.00	297	129.00	74	174.00	43944
38.00	2674	79.00	1208	130.00	154	175.00	3609
39.00	1143	80.00	321	131.00	36	176.00	42576
40.00	63	81.00	1290	133.00	29	177.00	2674
43.00	33	82.00	308	134.00	42	178.00	81
44.00	440	84.00	26	135.00	84	179.00	27
45.00	595	85.00	30	137.00	71	180.00	18
47.00	837	86.00	65	139.00	24	185.00	26
48.00	371	87.00	2313	140.00	25	186.00	27
49.00	2550	88.00	2070	141.00	445	208.00	24
50.00	12154	90.00	16	142.00	31	209.00	24
51.00	3828	91.00	118	143.00	436	212.00	27
52.00	171	92.00	1651	144.00	21	215.00	26
55.00	147	93.00	2027	145.00	21	219.00	31
56.00	1023	94.00	6163	146.00	70	251.00	22
57.00	1453	95.00	58480	147.00	20	257.00	55
58.00	63	96.00	4184	148.00	108	258.00	49
60.00	499	97.00	124	149.00	43	261.00	27
61.00	2692	104.00	203	150.00	36	263.00	23
62.00	2711	105.00	107	151.00	18	264.00	25
63.00	2018	106.00	255	152.00	43	267.00	25
64.00	181	107.00	30	153.00	27	283.00	16
65.00	17	108.00	27	154.00	20	309.00	26
67.00	52	110.00	24	155.00	127	310.00	30
68.00	5635	111.00	19	156.00	47	312.00	24
69.00	5830	112.00	17	157.00	148	313.00	25
70.00	497	114.00	24	159.00	19	315.00	23
71.00	17	115.00	77	160.00	28	316.00	50
72.00	204	116.00	144	161.00	25	319.00	25
73.00	2518	117.00	303	163.00	31	320.00	28
74.00	9636	118.00	91	166.00	27	322.00	27
75.00	28312	119.00	253	167.00	26	323.00	24

Report Date: 07-Oct-2016 12:24:19 Chrom Revision: 2.2 08-Sep-2016 14:45:52
Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15945.D\8260W_12.rslt\spectra.d
Injection Date: 07-Oct-2016 05:27:30
Spectrum: Tune Spec :Average 75-77(2.50-2.51) Bgrd 72(2.48)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 135

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.00	2399	127.00	33	172.00	24		

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15970.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	07-Oct-2016 17:16:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0046589-001				
Operator ID:		Instrument ID:	CVOAMS12		
Method:	\\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\8260W_12.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	07-Oct-2016 20:56:08	Calib Date:	30-Sep-2016 19:03:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	XAWRK009				
First Level Reviewer: starzecm		Date:	07-Oct-2016 20:56:08		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 135 BFB	95	2.490	2.490	0.000	91	75811	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

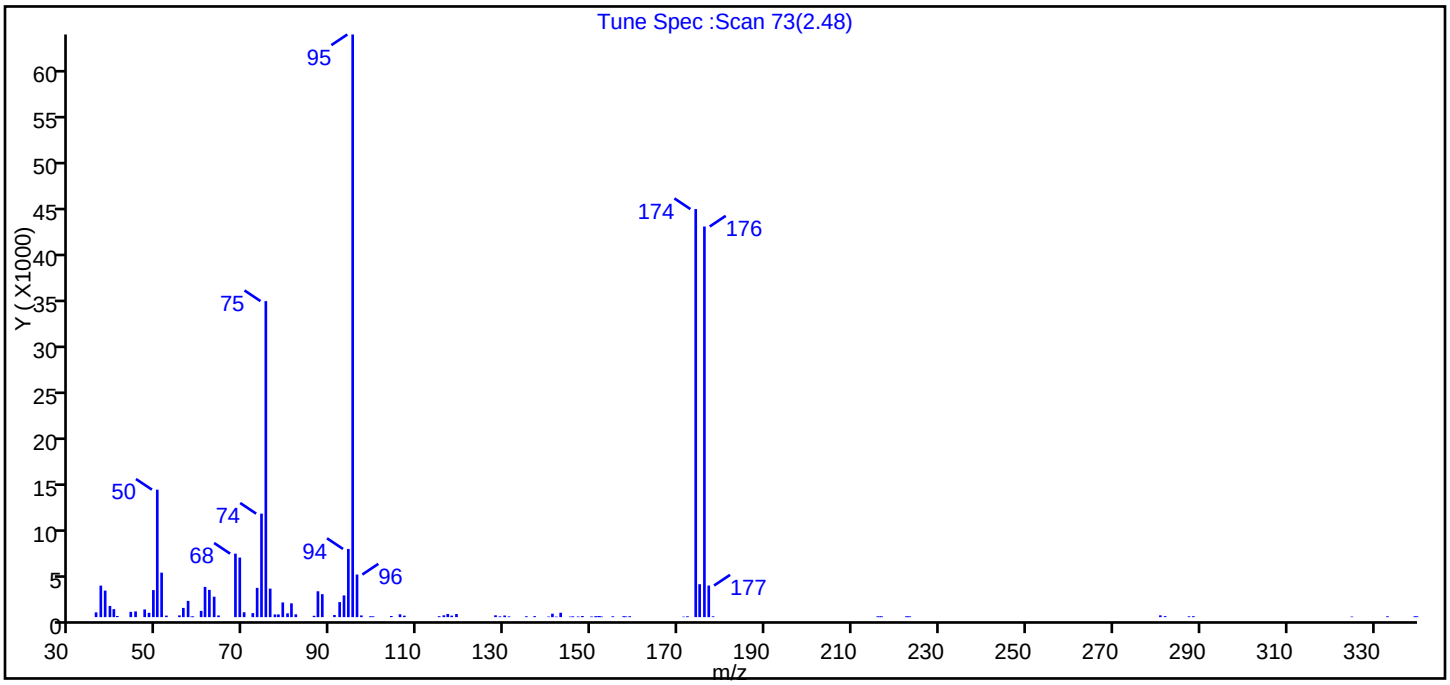
BFB_00013 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15970.D
Injection Date: 07-Oct-2016 17:16:30 Instrument ID: CVOAMS12
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 135 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.9
75	30 to 60% of m/z 95	54.2
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	70.0
175	5 to 9% of m/z 174	5.7 (8.1)
176	Greater than 95% but less than 101% of m/z 174	67.0 (95.7)
177	5 to 9% of m/z 176	5.4 (8.1)

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15970.D\8260W_12.rslt\spectra.d
Injection Date: 07-Oct-2016 17:16:30
Spectrum: Tune Spec :Scan 73(2.48)
Base Peak: 94.90
Minimum % Base Peak: 0
Number of Points: 102

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.80	520	69.90	529	106.80	159	157.30	101
36.90	3414	71.90	438	114.80	104	157.80	79
37.90	2878	72.90	3172	115.90	198	158.70	101
39.00	1213	73.90	11211	116.80	344	171.10	53
39.90	869	74.90	34232	117.70	164	172.00	91
40.70	119	75.90	3089	118.80	338	173.90	44200
43.80	573	77.00	292	127.80	199	174.80	3569
44.90	621	77.80	294	128.80	83	175.90	42312
47.00	834	78.80	1593	129.90	175	176.90	3425
48.00	470	79.90	414	130.90	81	177.90	89
49.00	2932	80.80	1498	134.90	97	215.80	87
49.90	13808	81.80	304	136.80	110	216.30	83
50.90	4819	86.00	145	140.00	61	216.70	89
52.00	168	86.90	2802	140.90	372	222.40	88
55.00	191	87.90	2489	141.80	57	222.80	82
55.90	1000	90.70	232	142.80	475	223.20	79
57.00	1761	91.90	1629	145.00	54	280.90	193
57.80	60	92.90	2352	145.60	88	282.00	109
58.10	82	93.90	7386	146.80	69	287.50	89
60.00	678	94.90	63112	147.80	125	288.50	103
60.90	3275	95.90	4616	149.90	70	325.00	64
61.90	2954	96.90	185	150.80	87	333.20	94
63.00	2217	99.00	98	151.10	90	339.50	96
64.00	186	99.60	89	151.70	119	340.00	91
67.90	6877	103.80	123	152.20	69		
68.90	6453	105.80	306	154.80	92		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-395562/7

Matrix: Water | Lab File ID: O15951.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 08:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395562 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	MIBK	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	0.24	U	1.0	0.24
75-00-3	Chloroethane	0.37	U	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
124-48-1	Dibromochloromethane	0.22	U	1.0	0.22
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-01-4	Vinyl chloride	0.060	U	1.0	0.060
1330-20-7	Xylenes, Total	0.28	U	2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-395562/7

Matrix: Water Lab File ID: O15951.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 08:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 395562 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		74-132
460-00-4	Bromofluorobenzene	98		77-124
1868-53-7	Dibromofluoromethane (Surr)	102		72-131
2037-26-5	Toluene-d8 (Surr)	104		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-395562/7

Matrix: Water Lab File ID: O15951.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 08:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 395562 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I-TIC 8260C

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15951.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 07-Oct-2016 08:38:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0046552-007
Operator ID: Instrument ID: CVOAMS12

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Oct-2016 13:27:57 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: delpolitov Date: 07-Oct-2016 13:28:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	2.232	2.247	-0.015	99	367589	1000.0	1000.0	
* 38 2-Butanone-d5	46	3.122	3.126	-0.004	30	446443	250.0	250.0	
$ 49 Dibromofluoromethane (Surr	113	3.568	3.568	0.000	97	140857	50.0	51.2	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.871	3.871	0.000	97	192465	50.0	51.1	
* 61 Fluorobenzene	96	4.204	4.204	0.000	99	568478	50.0	50.0	
* 68 1,4-Dioxane-d8	96	4.922	4.930	-0.008	94	42053	1000.0	1000.0	
$ 79 Toluene-d8 (Surr)	98	5.985	5.982	0.003	99	533153	50.0	52.1	
* 90 Chlorobenzene-d5	117	7.935	7.931	0.004	89	416849	50.0	50.0	
$ 101 4-Bromofluorobenzene	174	9.765	9.769	-0.004	90	159007	50.0	48.8	
* 116 1,4-Dichlorobenzene-d4	152	11.599	11.595	0.004	97	203954	50.0	50.0	

Reagents:

8260ISNEW_00090 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00139 Amount Added: 1.00 Units: uL Run Reagent

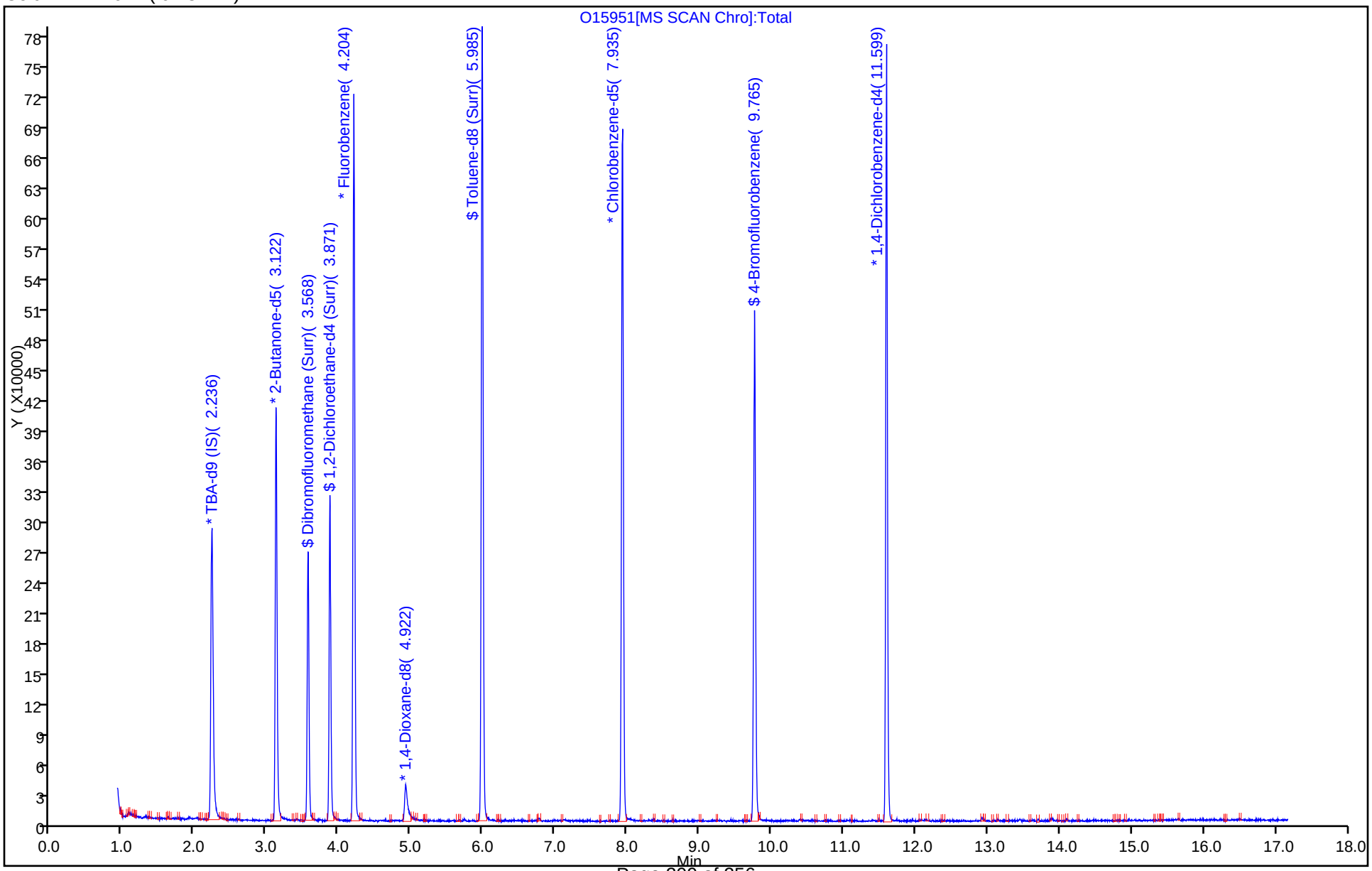
Report Date: 07-Oct-2016 13:28:14 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15951.D

Injection Date:	07-Oct-2016 08:38:30	Instrument ID:	CVOAMS12	Operator ID:	
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-395751/7

Matrix: Water | Lab File ID: O15976.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 19:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395751 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	MIBK	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	0.24	U	1.0	0.24
75-00-3	Chloroethane	0.37	U	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
124-48-1	Dibromochloromethane	0.22	U	1.0	0.22
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-01-4	Vinyl chloride	0.060	U	1.0	0.060
1330-20-7	Xylenes, Total	0.28	U	2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-395751/7

Matrix: Water Lab File ID: O15976.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 19:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 395751 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		74-132
460-00-4	Bromofluorobenzene	99		77-124
1868-53-7	Dibromofluoromethane (Surr)	104		72-131
2037-26-5	Toluene-d8 (Surr)	105		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-395751/7

Matrix: Water | Lab File ID: O15976.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 19:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395751 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15976.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 07-Oct-2016 19:58:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0046589-007
Operator ID: Instrument ID: CVOAMS12

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Oct-2016 20:55:55 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: starzecm Date: 07-Oct-2016 20:55:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	2.228	2.232	-0.004	99	340153	1000.0	1000.0	
* 38 2-Butanone-d5	46	3.119	3.123	-0.004	30	405061	250.0	250.0	
$ 49 Dibromofluoromethane (Surr	113	3.568	3.568	0.000	96	140553	50.0	52.0	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.871	3.875	-0.004	97	197617	50.0	53.4	
* 61 Fluorobenzene	96	4.204	4.204	0.000	98	558362	50.0	50.0	
* 68 1,4-Dioxane-d8	96	4.923	4.923	0.000	94	39888	1000.0	1000.0	
$ 79 Toluene-d8 (Surr)	98	5.985	5.985	0.000	99	520927	50.0	52.7	
* 90 Chlorobenzene-d5	117	7.928	7.931	-0.003	90	402739	50.0	50.0	
$ 101 4-Bromofluorobenzene	174	9.765	9.769	-0.004	88	156056	50.0	49.6	
* 116 1,4-Dichlorobenzene-d4	152	11.595	11.599	-0.004	99	193208	50.0	50.0	

Reagents:

8260ISNEW_00090 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00139 Amount Added: 1.00 Units: uL Run Reagent

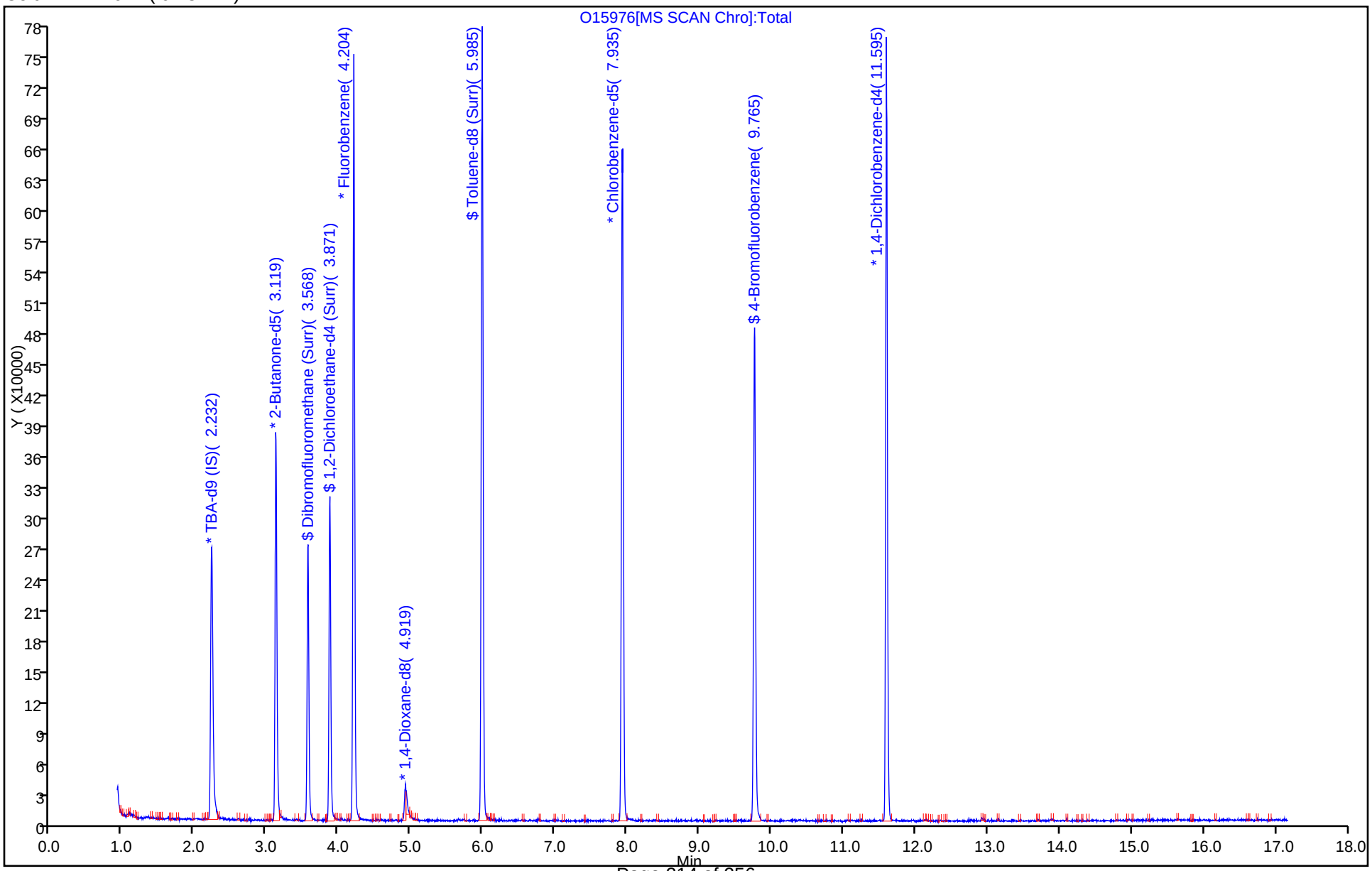
Report Date: 07-Oct-2016 20:55:55 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15976.D

Injection Date:	07-Oct-2016 19:58:30	Instrument ID:	CVOAMS12	Operator ID:	
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-395562/3

Matrix: Water | Lab File ID: O15947.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 06:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395562 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	17.8		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	21.6		1.0	0.19
79-00-5	1,1,2-Trichloroethane	21.0		1.0	0.080
75-34-3	1,1-Dichloroethane	20.4		1.0	0.24
75-35-4	1,1-Dichloroethene	18.3		1.0	0.34
107-06-2	1,2-Dichloroethane	19.8		1.0	0.25
78-87-5	1,2-Dichloropropane	20.0		1.0	0.18
123-91-1	1,4-Dioxane	408		50	8.7
78-93-3	2-Butanone	94.2		5.0	2.2
591-78-6	2-Hexanone	101		5.0	0.72
108-10-1	MIBK	102		5.0	0.63
67-64-1	Acetone	76.7		5.0	1.1
71-43-2	Benzene	20.9		1.0	0.090
75-27-4	Bromodichloromethane	18.6		1.0	0.15
75-25-2	Bromoform	16.0		1.0	0.18
74-83-9	Bromomethane	9.64		1.0	0.18
75-15-0	Carbon disulfide	16.3		1.0	0.22
56-23-5	Carbon tetrachloride	17.6		1.0	0.33
108-90-7	Chlorobenzene	20.8		1.0	0.24
75-00-3	Chloroethane	14.5		1.0	0.37
67-66-3	Chloroform	19.3		1.0	0.22
74-87-3	Chloromethane	16.4		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	19.3		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	19.2		1.0	0.16
124-48-1	Dibromochloromethane	18.5		1.0	0.22
100-41-4	Ethylbenzene	20.3		1.0	0.30
75-09-2	Methylene Chloride	19.9		1.0	0.21
100-42-5	Styrene	21.6		1.0	0.17
127-18-4	Tetrachloroethene	19.9		1.0	0.12
108-88-3	Toluene	21.1		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	20.2		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	19.5		1.0	0.19
79-01-6	Trichloroethene	19.3		1.0	0.22
75-01-4	Vinyl chloride	17.1		1.0	0.060
1330-20-7	Xylenes, Total	41.2		2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-395562/3

Matrix: Water Lab File ID: O15947.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 06:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 395562 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		74-132
460-00-4	Bromofluorobenzene	94		77-124
1868-53-7	Dibromofluoromethane (Surr)	94		72-131
2037-26-5	Toluene-d8 (Surr)	103		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15947.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 07-Oct-2016 06:47:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0046552-003
Operator ID: Instrument ID: CVOAMS12

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Oct-2016 13:23:31 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: tupayachia Date: 07-Oct-2016 12:26:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.975	0.974	0.000	87	6689	20.0	13.9	
2 Dichlorodifluoromethane	85	0.993	0.997	-0.004	99	56354	20.0	12.5	
3 Chloromethane	50	1.143	1.147	-0.004	98	71729	20.0	16.4	
4 Vinyl chloride	62	1.169	1.165	0.004	98	74758	20.0	17.1	
5 Butadiene	54	1.188	1.184	0.004	97	67658	20.0	17.2	
6 Bromomethane	94	1.352	1.352	0.000	96	7137	20.0	9.64	
7 Chloroethane	64	1.412	1.412	0.000	96	24619	20.0	14.5	
8 Dichlorofluoromethane	67	1.536	1.532	0.004	98	136141	20.0	21.0	
9 Trichlorofluoromethane	101	1.562	1.566	-0.004	98	77959	20.0	17.7	
10 Pentane	72	1.618	1.614	0.004	96	17005	40.0	35.8	
11 Ethanol	46	1.704	1.697	0.007	98	22620	800.0	812.3	
12 Ethyl ether	59	1.749	1.753	-0.004	96	67507	20.0	20.0	
13 1,2-Dichloro-1,1,2-trifluo	117	1.753	1.753	0.000	94	45893	20.0	18.9	
14 2-Methyl-1,3-butadiene	53	1.760	1.760	0.000	98	55871	20.0	18.1	
15 Acrolein	56	1.828	1.824	0.004	97	22711	40.0	38.7	
16 1,1-Dichloroethene	96	1.888	1.888	0.000	95	50181	20.0	18.3	
17 1,1,2-Trichloro-1,2,2-trif	101	1.888	1.891	-0.003	96	44738	20.0	18.3	
18 Acetone	58	1.925	1.929	-0.004	87	39471	100.0	76.7	
19 Iodomethane	142	1.981	1.981	0.000	98	28241	20.0	9.75	
20 Isopropyl alcohol	45	2.034	2.026	0.008	49	61553	200.0	195.9	
21 Carbon disulfide	76	2.026	2.026	0.000	100	139960	20.0	16.3	
23 Acetonitrile	41	2.120	2.116	0.004	83	246912	200.0	197.4	
22 3-Chloro-1-propene	76	2.116	2.120	-0.004	89	35846	20.0	18.5	
24 Methyl acetate	74	2.142	2.138	0.004	100	67311	100.0	99.8	
25 Cyclopentene	67	2.176	2.176	0.000	95	144682	20.0	18.5	
26 Methylene Chloride	84	2.202	2.202	0.000	98	68729	20.0	19.9	
* 27 TBA-d9 (IS)	65	2.247	2.247	0.000	97	394210	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.307	2.303	0.004	99	89195	200.0	186.1	
29 Acrylonitrile	53	2.370	2.370	0.000	98	319114	200.0	210.4	
30 trans-1,2-Dichloroethene	96	2.393	2.393	0.000	97	67487	20.0	20.2	
31 Methyl tert-butyl ether	73	2.404	2.404	0.000	97	239338	20.0	20.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	57	2.602	2.602	0.000	93	60806	20.0	20.0	
33 1,1-Dichloroethane	63	2.696	2.696	0.000	100	130349	20.0	20.4	
34 Vinyl acetate	86	2.745	2.745	0.000	100	31529	40.0	47.6	
35 Isopropyl ether	45	2.771	2.771	0.000	92	261548	20.0	20.8	
36 2-Chloro-1,3-butadiene	88	2.771	2.771	0.000	67	61120	20.0	19.8	
37 Tert-butyl ethyl ether	59	3.055	3.051	0.004	89	239411	20.0	19.9	
* 38 2-Butanone-d5	46	3.126	3.126	0.000	34	474314	250.0	250.0	
39 2,2-Dichloropropane	97	3.152	3.152	0.000	84	21402	20.0	19.1	
40 cis-1,2-Dichloroethene	96	3.152	3.156	-0.004	97	72778	20.0	19.3	
41 2-Butanone (MEK)	72	3.179	3.175	0.004	100	52523	100.0	94.2	
42 Propionitrile	54	3.220	3.216	0.004	97	133484	200.0	213.4	
43 Ethyl acetate	70	3.235	3.235	0.000	99	18821	40.0	41.4	
44 Methyl acrylate	55	3.265	3.261	0.004	99	81555	20.0	20.1	
45 Methacrylonitrile	67	3.347	3.347	0.000	96	356362	200.0	219.5	
46 Chlorobromomethane	128	3.351	3.351	0.000	77	34259	20.0	19.8	
47 Tetrahydrofuran	42	3.403	3.403	0.000	98	60463	40.0	38.2	
48 Chloroform	83	3.426	3.429	-0.003	98	113117	20.0	19.3	
$ 49 Dibromofluoromethane (Surr	113	3.564	3.568	-0.004	96	137072	50.0	47.0	
50 1,1,1-Trichloroethane	97	3.590	3.590	0.000	98	82772	20.0	17.8	
51 Cyclohexane	56	3.639	3.643	-0.004	94	90420	20.0	19.8	
53 Carbon tetrachloride	117	3.740	3.736	0.004	70	59138	20.0	17.6	
52 1,1-Dichloropropene	75	3.740	3.740	0.000	92	85187	20.0	19.9	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.871	3.871	0.000	95	184301	50.0	46.2	
55 Isobutyl alcohol	43	3.886	3.886	0.000	94	87979	500.0	458.0	
56 Benzene	78	3.931	3.927	0.004	96	270964	20.0	20.9	
57 1,2-Dichloroethane	62	3.942	3.942	0.000	97	104814	20.0	19.8	
58 Isooctane	57	4.024	4.024	0.000	64	102691	20.0	19.8	
59 Isopropyl acetate	43	4.036	4.036	0.000	97	247864	20.0	19.9	
60 Tert-amyl methyl ether	73	4.062	4.058	0.004	94	205611	20.0	20.5	
* 61 Fluorobenzene	96	4.200	4.204	-0.004	98	602560	50.0	50.0	
62 n-Heptane	43	4.219	4.223	-0.004	95	46603	20.0	20.4	
63 n-Butanol	56	4.556	4.563	-0.007	97	47701	500.0	433.9	
64 Trichloroethene	95	4.578	4.578	0.000	98	62063	20.0	19.3	
65 Ethyl acrylate	55	4.728	4.732	-0.004	99	95479	20.0	20.5	
66 Methylcyclohexane	83	4.784	4.784	0.000	96	62729	20.0	20.4	
67 1,2-Dichloropropane	63	4.810	4.810	0.000	93	69216	20.0	20.0	
* 68 1,4-Dioxane-d8	96	4.923	4.930	-0.007	62	46565	1000.0	1000.0	
69 Dibromomethane	93	4.926	4.930	-0.004	95	40537	20.0	19.5	
70 1,4-Dioxane	88	4.990	4.982	0.008	69	22103	400.0	408.3	
71 Methyl methacrylate	100	4.982	4.986	-0.004	95	41264	40.0	41.1	
72 n-Propyl acetate	43	5.069	5.068	0.000	99	117263	20.0	21.3	
73 Dichlorobromomethane	83	5.125	5.128	-0.003	99	72187	20.0	18.6	
74 2-Nitropropane	41	5.394	5.394	0.000	98	28792	40.0	30.0	
75 2-Chloroethyl vinyl ether	63	5.514	5.510	0.004	94	24152	20.0	13.5	M
76 Epichlorohydrin	57	5.555	5.555	0.000	99	165756	400.0	393.3	
77 cis-1,3-Dichloropropene	75	5.656	5.660	-0.004	97	95331	20.0	19.2	
78 4-Methyl-2-pentanone (MIBK	43	5.877	5.881	-0.004	99	378870	100.0	101.9	
$ 79 Toluene-d8 (Surr)	98	5.985	5.982	0.003	99	536438	50.0	51.6	
80 Toluene	91	6.068	6.068	0.000	94	255709	20.0	21.1	
81 trans-1,3-Dichloropropene	75	6.375	6.371	0.004	98	84912	20.0	19.5	
82 Ethyl methacrylate	69	6.550	6.554	-0.004	93	80676	20.0	20.0	
83 1,1,2-Trichloroethane	83	6.603	6.599	0.004	94	48309	20.0	21.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Tetrachloroethene	166	6.775	6.771	0.004	96	55654	20.0	19.9	
85 1,3-Dichloropropane	76	6.816	6.816	0.000	97	105815	20.0	21.5	
86 2-Hexanone	43	6.992	6.992	0.000	98	270707	100.0	101.4	
87 Chlorodibromomethane	129	7.116	7.115	0.001	98	47203	20.0	18.5	
88 n-Butyl acetate	43	7.217	7.217	0.001	98	112955	20.0	21.2	
89 Ethylene Dibromide	107	7.243	7.243	0.000	98	59440	20.0	20.9	
* 90 Chlorobenzene-d5	117	7.931	7.931	0.000	87	424021	50.0	50.0	
91 Chlorobenzene	112	7.972	7.972	0.000	94	160285	20.0	20.8	
92 1,1,1,2-Tetrachloroethane	131	8.115	8.111	0.004	92	46481	20.0	18.6	
93 Ethylbenzene	106	8.175	8.178	-0.003	99	80685	20.0	20.3	
94 m-Xylene & p-Xylene	106	8.362	8.362	0.000	97	95229	20.0	19.9	
95 o-Xylene	106	8.953	8.953	0.000	95	101614	20.0	21.3	
96 Styrene	104	8.983	8.983	0.000	95	166674	20.0	21.6	
97 n-Butyl acrylate	73	9.032	9.031	0.001	100	43165	20.0	20.0	
98 Bromoform	173	9.211	9.207	0.004	97	26092	20.0	16.0	
99 Amyl acetate (mixed isomer	43	9.421	9.424	-0.003	89	119561	20.0	21.2	
100 Isopropylbenzene	105	9.563	9.559	0.004	96	226532	20.0	21.0	
$ 101 4-Bromofluorobenzene	174	9.765	9.769	-0.004	92	156491	50.0	47.2	
102 Bromobenzene	156	9.960	9.956	0.004	96	64307	20.0	19.1	
103 1,1,2,2-Tetrachloroethane	83	10.064	10.064	0.000	97	73632	20.0	21.6	
104 1,2,3-Trichloropropane	110	10.091	10.091	0.000	97	22760	20.0	20.7	
105 trans-1,4-Dichloro-2-buten	53	10.165	10.162	0.003	82	20768	20.0	18.6	
106 N-Propylbenzene	91	10.233	10.233	0.000	99	236248	20.0	21.5	
107 2-Chlorotoluene	91	10.311	10.311	0.000	98	168198	20.0	19.7	
108 4-Ethyltoluene	105	10.435	10.435	0.000	99	204559	20.0	21.1	
109 4-Chlorotoluene	91	10.498	10.502	-0.004	98	181899	20.0	21.2	
110 1,3,5-Trimethylbenzene	105	10.551	10.551	0.000	92	179022	20.0	21.6	
111 Butyl Methacrylate	87	10.824	10.820	0.004	96	69134	20.0	20.4	
112 tert-Butylbenzene	119	11.071	11.071	0.000	94	126075	20.0	21.2	
113 1,2,4-Trimethylbenzene	105	11.150	11.150	0.000	97	190424	20.0	21.5	
114 sec-Butylbenzene	105	11.412	11.412	0.000	99	168242	20.0	22.5	
115 1,3-Dichlorobenzene	146	11.498	11.498	0.000	95	114604	20.0	20.5	
* 116 1,4-Dichlorobenzene-d4	152	11.599	11.595	0.004	97	214799	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.629	11.629	0.000	96	118182	20.0	21.2	
118 4-Isopropyltoluene	119	11.644	11.640	0.004	98	144166	20.0	21.2	
119 Benzyl chloride	126	11.831	11.831	0.000	97	17010	20.0	15.7	
120 2,3-Dihydroindene	117	11.954	11.958	-0.004	92	204391	20.0	20.7	
121 1,2-Dichlorobenzene	146	12.085	12.085	0.000	95	114637	20.0	20.9	
122 p-Diethylbenzene	119	12.130	12.126	0.004	93	89018	20.0	21.6	
123 n-Butylbenzene	91	12.153	12.153	0.000	87	153730	20.0	21.0	
124 1,2-Dibromo-3-Chloropropan	75	12.935	12.935	0.000	92	13788	20.0	19.7	
125 1,2,4,5-Tetramethylbenzene	119	12.957	12.953	0.004	97	169173	20.0	21.5	
126 1,3,5-Trichlorobenzene	180	13.144	13.148	-0.004	96	68437	20.0	20.9	
127 1,2,4-Trichlorobenzene	180	13.698	13.698	0.000	93	71737	20.0	20.6	
128 Hexachlorobutadiene	225	13.870	13.870	0.000	95	20573	20.0	20.0	
129 Naphthalene	128	13.893	13.896	-0.003	99	237127	20.0	23.9	
130 1,2,3-Trichlorobenzene	180	14.095	14.098	-0.003	94	67716	20.0	20.5	
S 131 1,2-Dichloroethene, Total	100				0		40.0	39.5	
S 132 Xylenes, Total	100				0		40.0	41.2	
S 133 Total BTEX	1				0		100.0	103.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00174	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00043	Amount Added:	20.00	Units: uL	
ACROLEIN W_00056	Amount Added:	4.00	Units: uL	
8260ISNEW_00090	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00139	Amount Added:	1.00	Units: uL	Run Reagent

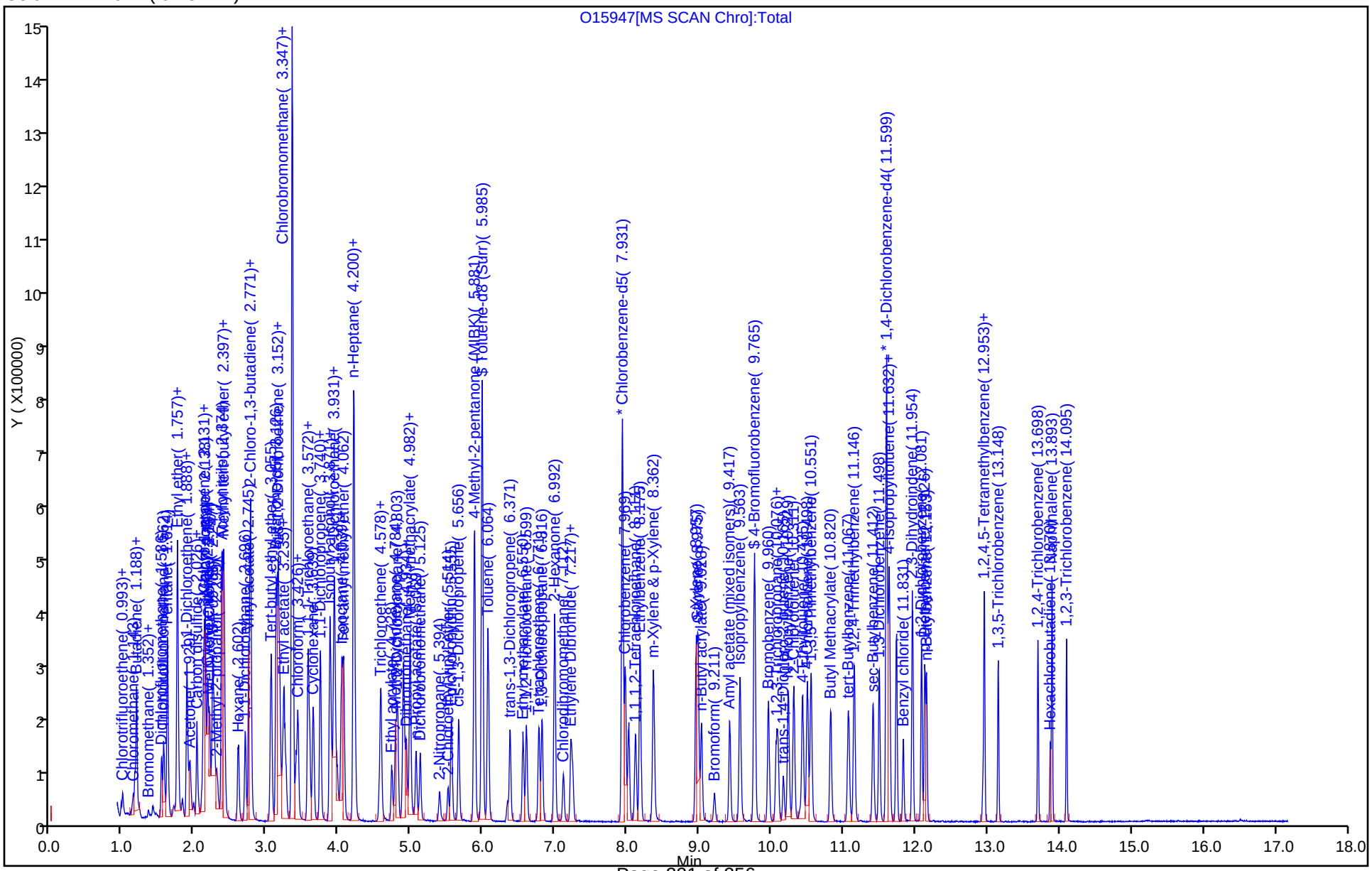
Report Date: 07-Oct-2016 13:23:32 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15947.D

Injection Date:	07-Oct-2016 06:47:30	Instrument ID:	CVOAMS12	Operator ID:	
Lims ID:	LCS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-395751/3

Matrix: Water | Lab File ID: O15972.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 18:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395751 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	18.0		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	20.5		1.0	0.19
79-00-5	1,1,2-Trichloroethane	19.9		1.0	0.080
75-34-3	1,1-Dichloroethane	18.7		1.0	0.24
75-35-4	1,1-Dichloroethene	17.7		1.0	0.34
107-06-2	1,2-Dichloroethane	18.8		1.0	0.25
78-87-5	1,2-Dichloropropane	18.6		1.0	0.18
123-91-1	1,4-Dioxane	393		50	8.7
78-93-3	2-Butanone	89.9		5.0	2.2
591-78-6	2-Hexanone	97.2		5.0	0.72
108-10-1	MIBK	102		5.0	0.63
67-64-1	Acetone	75.3		5.0	1.1
71-43-2	Benzene	19.9		1.0	0.090
75-27-4	Bromodichloromethane	18.5		1.0	0.15
75-25-2	Bromoform	16.8		1.0	0.18
74-83-9	Bromomethane	34.0		1.0	0.18
75-15-0	Carbon disulfide	18.9		1.0	0.22
56-23-5	Carbon tetrachloride	17.0		1.0	0.33
108-90-7	Chlorobenzene	18.8		1.0	0.24
75-00-3	Chloroethane	30.3		1.0	0.37
67-66-3	Chloroform	18.8		1.0	0.22
74-87-3	Chloromethane	18.9		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	18.7		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	18.8		1.0	0.16
124-48-1	Dibromochloromethane	18.6		1.0	0.22
100-41-4	Ethylbenzene	19.0		1.0	0.30
75-09-2	Methylene Chloride	18.3		1.0	0.21
100-42-5	Styrene	20.2		1.0	0.17
127-18-4	Tetrachloroethene	18.8		1.0	0.12
108-88-3	Toluene	19.3		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	18.7		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	18.8		1.0	0.19
79-01-6	Trichloroethene	17.8		1.0	0.22
75-01-4	Vinyl chloride	18.8		1.0	0.060
1330-20-7	Xylenes, Total	39.8		2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-395751/3

Matrix: Water Lab File ID: O15972.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 18:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 395751 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		74-132
460-00-4	Bromofluorobenzene	91		77-124
1868-53-7	Dibromofluoromethane (Surr)	99		72-131
2037-26-5	Toluene-d8 (Surr)	104		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15972.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 07-Oct-2016 18:08:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0046589-003
Operator ID: Instrument ID: CVOAMS12

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Oct-2016 20:56:18 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: starzecm Date: 07-Oct-2016 20:56:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.975	0.975	0.001	81	7568	20.0	15.7	
2 Dichlorodifluoromethane	85	0.997	0.993	0.004	99	69474	20.0	15.4	
3 Chloromethane	50	1.139	1.135	0.004	99	82880	20.0	18.9	
4 Vinyl chloride	62	1.169	1.162	0.007	97	82356	20.0	18.8	
5 Butadiene	54	1.188	1.184	0.004	96	73437	20.0	18.7	
6 Bromomethane	94	1.360	1.356	0.004	98	23284	20.0	34.0	
7 Chloroethane	64	1.420	1.416	0.004	100	51433	20.0	30.3	
8 Dichlorofluoromethane	67	1.536	1.536	0.000	98	136299	20.0	21.0	
9 Trichlorofluoromethane	101	1.573	1.573	0.000	97	91778	20.0	20.8	
10 Pentane	72	1.622	1.618	0.004	94	16477	40.0	34.7	
11 Ethanol	46	1.682	1.682	0.000	97	19512	800.0	771.4	
12 Ethyl ether	59	1.749	1.745	0.004	95	64220	20.0	19.1	
13 1,2-Dichloro-1,1,2-trifluo	117	1.749	1.749	0.000	86	43040	20.0	17.7	
14 2-Methyl-1,3-butadiene	53	1.764	1.764	0.000	96	54361	20.0	17.6	
15 Acrolein	56	1.820	1.820	0.000	95	20511	40.0	38.5	
16 1,1-Dichloroethene	96	1.888	1.888	0.000	95	48493	20.0	17.7	
17 1,1,2-Trichloro-1,2,2-trif	101	1.895	1.891	0.004	96	45642	20.0	18.7	
18 Acetone	58	1.921	1.918	0.003	85	35836	100.0	75.3	
19 Iodomethane	142	1.985	1.981	0.004	99	32290	20.0	11.1	
20 Isopropyl alcohol	45	2.011	2.011	0.000	100	51917	200.0	181.9	
21 Carbon disulfide	76	2.026	2.026	0.000	100	162756	20.0	18.9	
23 Acetonitrile	41	2.120	2.120	0.000	81	231134	200.0	203.4	
22 3-Chloro-1-propene	76	2.120	2.120	0.000	89	33632	20.0	17.3	
24 Methyl acetate	74	2.138	2.135	0.003	99	63466	100.0	103.6	
25 Cyclopentene	67	2.180	2.180	0.000	96	135412	20.0	17.3	
26 Methylene Chloride	84	2.206	2.202	0.004	99	63314	20.0	18.3	
* 27 TBA-d9 (IS)	65	2.232	2.232	0.000	97	358097	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.292	2.288	0.004	99	80498	200.0	184.9	
29 Acrylonitrile	53	2.367	2.367	0.000	93	296007	200.0	195.0	
30 trans-1,2-Dichloroethene	96	2.393	2.393	0.000	99	62451	20.0	18.7	
31 Methyl tert-butyl ether	73	2.400	2.400	0.000	98	218093	20.0	18.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	57	2.602	2.602	0.000	93	59452	20.0	19.6	
33 1,1-Dichloroethane	63	2.696	2.692	0.004	100	119608	20.0	18.7	
34 Vinyl acetate	86	2.745	2.741	0.004	100	27925	40.0	42.1	
35 Isopropyl ether	45	2.767	2.767	0.000	94	247271	20.0	19.7	
36 2-Chloro-1,3-butadiene	88	2.771	2.771	0.000	82	57333	20.0	18.5	
37 Tert-butyl ethyl ether	59	3.051	3.051	0.000	89	215345	20.0	17.9	
* 38 2-Butanone-d5	46	3.123	3.123	0.000	31	438697	250.0	250.0	
39 2,2-Dichloropropane	97	3.156	3.152	0.004	73	20026	20.0	17.8	
40 cis-1,2-Dichloroethene	96	3.153	3.152	0.001	92	70630	20.0	18.7	
41 2-Butanone (MEK)	72	3.171	3.171	0.000	99	46394	100.0	89.9	
42 Propionitrile	54	3.216	3.216	0.000	97	108400	200.0	190.7	
43 Ethyl acetate	70	3.231	3.231	0.000	99	16340	40.0	38.8	
44 Methyl acrylate	55	3.257	3.261	-0.004	99	73677	20.0	18.1	
45 Methacrylonitrile	67	3.347	3.343	0.004	97	319042	200.0	196.3	
46 Chlorobromomethane	128	3.351	3.355	-0.004	97	32139	20.0	18.5	
47 Tetrahydrofuran	42	3.400	3.396	0.004	96	52131	40.0	35.6	
48 Chloroform	83	3.426	3.426	0.000	98	110687	20.0	18.8	
$ 49 Dibromofluoromethane (Surr	113	3.564	3.568	-0.004	97	144356	50.0	49.4	
50 1,1,1-Trichloroethane	97	3.590	3.590	0.000	98	83745	20.0	18.0	
51 Cyclohexane	56	3.639	3.643	-0.004	95	88528	20.0	19.4	
53 Carbon tetrachloride	117	3.740	3.736	0.004	69	57315	20.0	17.0	
52 1,1-Dichloropropene	75	3.740	3.740	0.000	94	81212	20.0	18.9	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.871	3.875	-0.004	97	199154	50.0	49.9	
55 Isobutyl alcohol	43	3.882	3.882	0.000	96	77521	500.0	444.2	
56 Benzene	78	3.927	3.931	-0.004	97	256644	20.0	19.9	
57 1,2-Dichloroethane	62	3.942	3.942	0.000	97	99775	20.0	18.8	
59 Isopropyl acetate	43	4.036	3.965	0.071	96	235752	20.0	18.9	
58 Isooctane	57	4.028	4.032	-0.004	98	103360	20.0	19.9	
60 Tert-amyl methyl ether	73	4.062	4.058	0.004	98	185274	20.0	18.4	
* 61 Fluorobenzene	96	4.204	4.204	0.000	99	603210	50.0	50.0	
62 n-Heptane	43	4.223	4.223	0.000	96	45332	20.0	19.9	
63 n-Butanol	56	4.556	4.556	0.000	97	42472	500.0	425.3	
64 Trichloroethene	95	4.578	4.578	0.000	97	57197	20.0	17.8	
65 Ethyl acrylate	55	4.728	4.724	0.004	98	88450	20.0	19.0	
66 Methylcyclohexane	83	4.784	4.784	0.000	97	60237	20.0	19.6	
67 1,2-Dichloropropane	63	4.810	4.807	0.003	91	64546	20.0	18.6	
* 68 1,4-Dioxane-d8	96	4.919	4.923	-0.004	97	41414	1000.0	1000.0	
69 Dibromomethane	93	4.930	4.930	0.000	97	37972	20.0	18.3	
70 1,4-Dioxane	88	4.975	4.979	-0.004	32	18914	400.0	392.8	
71 Methyl methacrylate	100	4.982	4.982	0.000	93	37054	40.0	36.9	
72 n-Propyl acetate	43	5.069	5.065	0.004	99	103032	20.0	18.7	
73 Dichlorobromomethane	83	5.125	5.125	0.000	99	71823	20.0	18.5	
74 2-Nitropropane	41	5.390	5.390	0.000	99	27907	40.0	29.1	
75 2-Chloroethyl vinyl ether	63	5.510	5.510	0.000	94	20485	20.0	11.5	
76 Epichlorohydrin	57	5.555	5.555	0.000	99	149376	400.0	383.2	
77 cis-1,3-Dichloropropene	75	5.660	5.660	0.000	96	92804	20.0	18.8	
78 4-Methyl-2-pentanone (MIBK	43	5.877	5.877	0.000	99	349445	100.0	101.6	
$ 79 Toluene-d8 (Surr)	98	5.985	5.985	0.000	99	538592	50.0	52.2	
80 Toluene	91	6.064	6.064	0.000	93	231743	20.0	19.3	
81 trans-1,3-Dichloropropene	75	6.371	6.375	-0.004	97	80899	20.0	18.8	
82 Ethyl methacrylate	69	6.550	6.550	0.000	91	77597	20.0	19.4	
83 1,1,2-Trichloroethane	83	6.595	6.595	0.000	98	45388	20.0	19.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Tetrachloroethene	166	6.771	6.771	0.000	96	51952	20.0	18.8	
85 1,3-Dichloropropane	76	6.812	6.816	-0.004	98	95032	20.0	19.4	
86 2-Hexanone	43	6.988	6.992	-0.004	98	240064	100.0	97.2	
87 Chlorodibromomethane	129	7.112	7.119	-0.007	98	47003	20.0	18.6	
88 n-Butyl acetate	43	7.217	7.217	0.000	98	107070	20.0	20.2	
89 Ethylene Dibromide	107	7.243	7.239	0.004	99	55122	20.0	19.5	
* 90 Chlorobenzene-d5	117	7.931	7.931	0.000	87	420338	50.0	50.0	
91 Chlorobenzene	112	7.969	7.969	0.000	97	143276	20.0	18.8	
92 1,1,1,2-Tetrachloroethane	131	8.115	8.111	0.004	89	44279	20.0	17.9	
93 Ethylbenzene	106	8.178	8.175	0.003	99	74922	20.0	19.0	
94 m-Xylene & p-Xylene	106	8.362	8.362	0.000	97	94882	20.0	20.0	
95 o-Xylene	106	8.957	8.957	0.000	92	93301	20.0	19.8	
96 Styrene	104	8.979	8.983	-0.004	97	154972	20.0	20.2	
97 n-Butyl acrylate	73	9.028	9.032	-0.004	99	40608	20.0	19.0	
98 Bromoform	173	9.207	9.211	-0.004	97	27103	20.0	16.8	
99 Amyl acetate (mixed isomer	43	9.421	9.424	-0.003	90	109295	20.0	19.1	
100 Isopropylbenzene	105	9.567	9.563	0.004	96	204518	20.0	19.2	
$ 101 4-Bromofluorobenzene	174	9.765	9.769	-0.004	88	149500	50.0	45.5	
102 Bromobenzene	156	9.960	9.960	0.000	98	61262	20.0	18.0	
103 1,1,2,2-Tetrachloroethane	83	10.068	10.068	0.000	98	71078	20.0	20.5	
104 1,2,3-Trichloropropane	110	10.091	10.091	0.000	98	20118	20.0	18.1	
105 trans-1,4-Dichloro-2-buten	53	10.165	10.169	-0.004	76	20367	20.0	18.0	
106 N-Propylbenzene	91	10.233	10.233	0.000	98	220579	20.0	19.8	
107 2-Chlorotoluene	91	10.311	10.311	0.000	97	171785	20.0	19.8	
108 4-Ethyltoluene	105	10.431	10.431	0.000	99	187871	20.0	19.1	
109 4-Chlorotoluene	91	10.499	10.499	0.001	98	172035	20.0	19.8	
110 1,3,5-Trimethylbenzene	105	10.547	10.551	-0.004	97	166982	20.0	19.9	
111 Butyl Methacrylate	87	10.824	10.820	0.004	96	67332	20.0	19.6	
112 tert-Butylbenzene	119	11.067	11.071	-0.004	95	118118	20.0	19.6	
113 1,2,4-Trimethylbenzene	105	11.150	11.146	0.004	98	177107	20.0	19.8	
114 sec-Butylbenzene	105	11.412	11.412	0.000	98	139955	20.0	18.5	
115 1,3-Dichlorobenzene	146	11.498	11.498	0.000	96	105342	20.0	18.6	
* 116 1,4-Dichlorobenzene-d4	152	11.599	11.599	0.000	96	217510	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.629	11.629	0.000	95	107815	20.0	19.1	
118 4-Isopropyltoluene	119	11.644	11.644	0.000	96	132779	20.0	19.3	
119 Benzyl chloride	126	11.831	11.831	0.000	97	15403	20.0	14.1	
120 2,3-Dihydroindene	117	11.958	11.958	0.000	94	186538	20.0	18.6	
121 1,2-Dichlorobenzene	146	12.082	12.085	-0.003	96	106721	20.0	19.3	
122 p-Diethylbenzene	119	12.130	12.126	0.004	93	84363	20.0	20.2	
123 n-Butylbenzene	91	12.153	12.153	0.000	98	146296	20.0	19.7	
124 1,2-Dibromo-3-Chloropropan	75	12.935	12.935	0.000	92	12803	20.0	18.1	
125 1,2,4,5-Tetramethylbenzene	119	12.957	12.953	0.004	98	158854	20.0	20.0	
126 1,3,5-Trichlorobenzene	180	13.148	13.148	0.000	97	60314	20.0	18.2	
127 1,2,4-Trichlorobenzene	180	13.698	13.698	0.000	93	66886	20.0	19.0	
128 Hexachlorobutadiene	225	13.874	13.870	0.004	93	18425	20.0	17.7	
129 Naphthalene	128	13.893	13.893	0.000	99	212852	20.0	21.1	
130 1,2,3-Trichlorobenzene	180	14.099	14.099	0.000	95	64076	20.0	19.1	
S 131 1,2-Dichloroethene, Total	100				0		40.0	37.4	
S 132 Xylenes, Total	100				0		40.0	39.8	
S 133 Total BTEX	1				0		100.0	98.0	

Reagents:

GASES Li_00174	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00043	Amount Added:	20.00	Units: uL	
ACROLEIN W_00056	Amount Added:	4.00	Units: uL	
8260ISNEW_00090	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00139	Amount Added:	1.00	Units: uL	Run Reagent

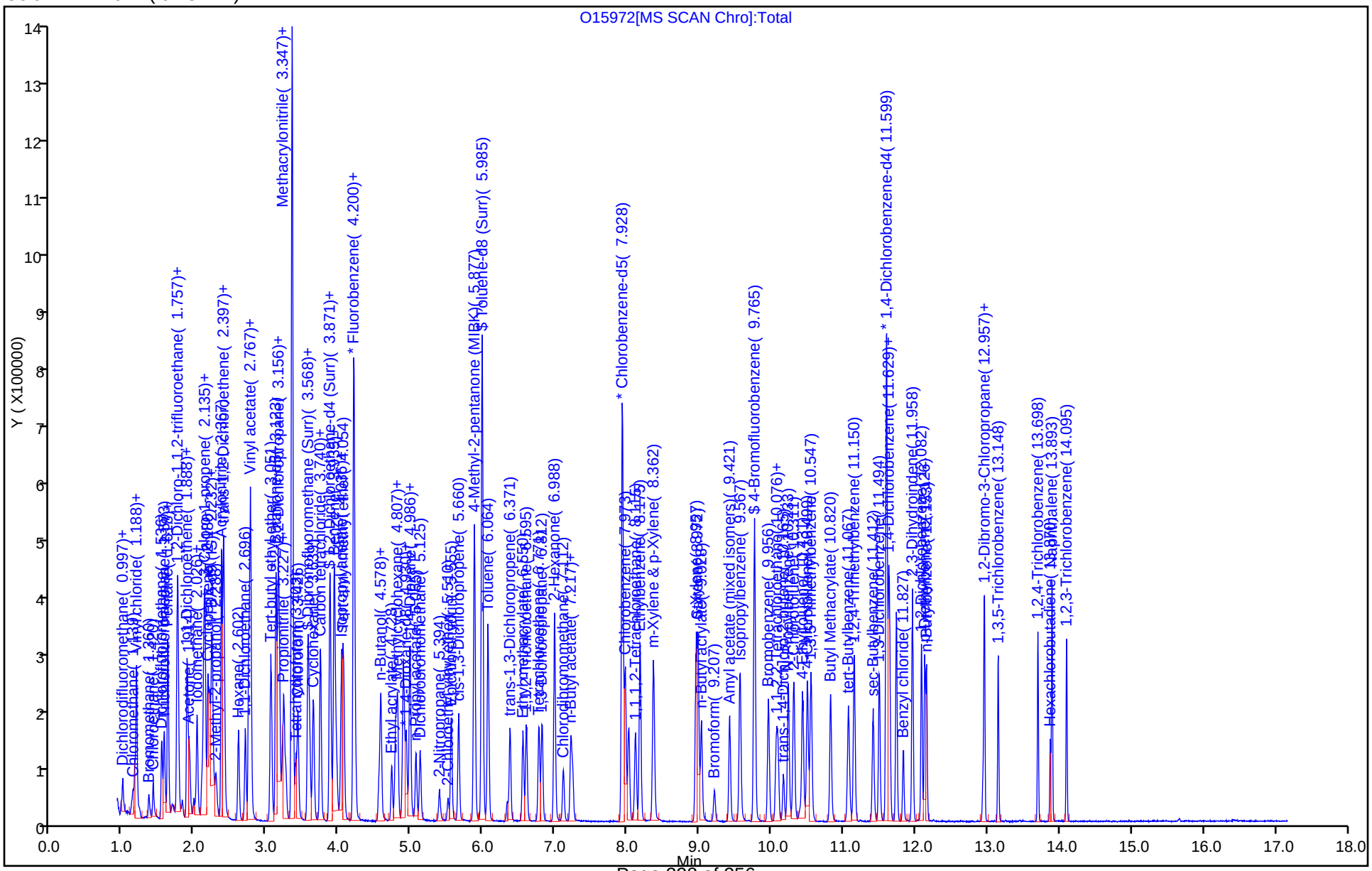
Report Date: 07-Oct-2016 20:56:29 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15972.D

Injection Date:	07-Oct-2016 18:08:30	Instrument ID:	CVOAMS12	Operator ID:	
Lims ID:	LCS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-395562/4

Matrix: Water | Lab File ID: O15948.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 07:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395562 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	19.3		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	21.4		1.0	0.19
79-00-5	1,1,2-Trichloroethane	21.9		1.0	0.080
75-34-3	1,1-Dichloroethane	20.6		1.0	0.24
75-35-4	1,1-Dichloroethene	19.3		1.0	0.34
107-06-2	1,2-Dichloroethane	18.7		1.0	0.25
78-87-5	1,2-Dichloropropane	20.4		1.0	0.18
123-91-1	1,4-Dioxane	395		50	8.7
78-93-3	2-Butanone	93.3		5.0	2.2
591-78-6	2-Hexanone	96.3		5.0	0.72
108-10-1	MIBK	101		5.0	0.63
67-64-1	Acetone	72.2		5.0	1.1
71-43-2	Benzene	20.0		1.0	0.090
75-27-4	Bromodichloromethane	18.0		1.0	0.15
75-25-2	Bromoform	16.2		1.0	0.18
74-83-9	Bromomethane	9.76		1.0	0.18
75-15-0	Carbon disulfide	18.2		1.0	0.22
56-23-5	Carbon tetrachloride	17.8		1.0	0.33
108-90-7	Chlorobenzene	20.7		1.0	0.24
75-00-3	Chloroethane	16.9		1.0	0.37
67-66-3	Chloroform	19.9		1.0	0.22
74-87-3	Chloromethane	17.3		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	19.9		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	20.0		1.0	0.16
124-48-1	Dibromochloromethane	18.1		1.0	0.22
100-41-4	Ethylbenzene	20.2		1.0	0.30
75-09-2	Methylene Chloride	20.6		1.0	0.21
100-42-5	Styrene	21.6		1.0	0.17
127-18-4	Tetrachloroethene	20.0		1.0	0.12
108-88-3	Toluene	21.8		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	20.0		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	20.1		1.0	0.19
79-01-6	Trichloroethene	19.8		1.0	0.22
75-01-4	Vinyl chloride	17.6		1.0	0.060
1330-20-7	Xylenes, Total	40.7		2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-395562/4

Matrix: Water Lab File ID: O15948.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 07:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 395562 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		74-132
460-00-4	Bromofluorobenzene	100		77-124
1868-53-7	Dibromofluoromethane (Surr)	97		72-131
2037-26-5	Toluene-d8 (Surr)	106		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15948.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 07-Oct-2016 07:15:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0046552-004
Operator ID: Instrument ID: CVOAMS12

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Oct-2016 13:27:31 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: delpolitov Date: 07-Oct-2016 13:27:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.974	0.974	0.000	93	7072	20.0	14.7	
2 Dichlorodifluoromethane	85	0.993	0.997	-0.004	98	59530	20.0	13.2	
3 Chloromethane	50	1.143	1.147	-0.004	98	75448	20.0	17.3	
4 Vinyl chloride	62	1.165	1.165	0.000	98	76918	20.0	17.6	
5 Butadiene	54	1.188	1.184	0.004	94	64976	20.0	16.6	
6 Bromomethane	94	1.356	1.352	0.004	96	7176	20.0	9.76	
7 Chloroethane	64	1.412	1.412	0.000	97	28646	20.0	16.9	
8 Dichlorofluoromethane	67	1.536	1.532	0.004	98	137190	20.0	21.2	
9 Trichlorofluoromethane	101	1.566	1.566	0.000	98	84835	20.0	19.2	
10 Pentane	72	1.614	1.614	0.000	96	18178	40.0	38.4	
11 Ethanol	46	1.704	1.697	0.007	96	21752	800.0	782.4	
12 Ethyl ether	59	1.749	1.753	-0.004	97	66798	20.0	19.9	
13 1,2-Dichloro-1,1,2-trifluo	117	1.757	1.753	0.004	95	44895	20.0	18.6	
14 2-Methyl-1,3-butadiene	53	1.760	1.760	0.000	99	57217	20.0	18.6	
15 Acrolein	56	1.828	1.824	0.004	96	22510	40.0	38.4	
16 1,1-Dichloroethene	96	1.884	1.888	-0.004	95	52708	20.0	19.3	
17 1,1,2-Trichloro-1,2,2-trif	101	1.891	1.891	0.000	97	47331	20.0	19.4	
18 Acetone	58	1.929	1.929	0.000	86	36904	100.0	72.2	
19 Iodomethane	142	1.981	1.981	0.000	97	28524	20.0	9.86	
20 Isopropyl alcohol	45	2.033	2.026	0.007	45	56266	200.0	179.3	
21 Carbon disulfide	76	2.026	2.026	0.000	99	155495	20.0	18.2	
23 Acetonitrile	41	2.116	2.116	0.000	82	233570	200.0	187.1	
22 3-Chloro-1-propene	76	2.116	2.120	-0.004	89	37146	20.0	19.2	
24 Methyl acetate	74	2.142	2.138	0.004	100	65892	100.0	97.9	
25 Cyclopentene	67	2.176	2.176	0.000	96	145157	20.0	18.6	
26 Methylene Chloride	84	2.202	2.202	0.000	96	70938	20.0	20.6	
* 27 TBA-d9 (IS)	65	2.247	2.247	0.000	97	393577	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.303	2.303	0.000	99	88016	200.0	183.9	
29 Acrylonitrile	53	2.374	2.370	0.004	96	299292	200.0	197.7	
30 trans-1,2-Dichloroethene	96	2.393	2.393	0.000	96	66477	20.0	20.0	
31 Methyl tert-butyl ether	73	2.404	2.404	0.000	98	231477	20.0	19.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	57	2.599	2.602	-0.003	94	59871	20.0	19.7	
33 1,1-Dichloroethane	63	2.696	2.696	0.000	100	131912	20.0	20.6	
34 Vinyl acetate	86	2.748	2.745	0.003	100	31210	40.0	47.2	
35 Isopropyl ether	45	2.767	2.771	-0.004	87	268221	20.0	21.4	
36 2-Chloro-1,3-butadiene	88	2.771	2.771	0.000	66	60603	20.0	19.6	
37 Tert-butyl ethyl ether	59	3.055	3.051	0.004	89	241109	20.0	20.1	
* 38 2-Butanone-d5	46	3.126	3.126	0.000	31	470919	250.0	250.0	
39 2,2-Dichloropropane	97	3.152	3.152	0.000	74	21512	20.0	19.2	
40 cis-1,2-Dichloroethene	96	3.152	3.156	-0.004	91	75128	20.0	19.9	
41 2-Butanone (MEK)	72	3.175	3.175	0.000	100	51663	100.0	93.3	
42 Propionitrile	54	3.220	3.216	0.004	94	130440	200.0	208.8	
43 Ethyl acetate	70	3.238	3.235	0.003	99	18952	40.0	42.0	
44 Methyl acrylate	55	3.265	3.261	0.004	99	81966	20.0	20.2	
45 Methacrylonitrile	67	3.347	3.347	0.000	94	348048	200.0	214.7	
46 Chlorobromomethane	128	3.351	3.351	0.000	62	34365	20.0	19.9	
47 Tetrahydrofuran	42	3.403	3.403	0.000	98	59568	40.0	37.9	
48 Chloroform	83	3.429	3.429	0.000	98	116396	20.0	19.9	
$ 49 Dibromofluoromethane (Surr	113	3.568	3.568	0.000	97	141502	50.0	48.6	
50 1,1,1-Trichloroethane	97	3.586	3.590	-0.004	98	89775	20.0	19.3	
51 Cyclohexane	56	3.639	3.643	-0.004	95	94884	20.0	20.8	
53 Carbon tetrachloride	117	3.740	3.736	0.004	70	59848	20.0	17.8	
52 1,1-Dichloropropene	75	3.740	3.740	0.000	92	86357	20.0	20.2	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.871	3.871	0.000	97	194727	50.0	48.9	
55 Isobutyl alcohol	43	3.886	3.886	0.000	93	86645	500.0	451.8	
56 Benzene	78	3.927	3.927	0.000	95	255295	20.0	20.0	
57 1,2-Dichloroethane	62	3.942	3.942	0.000	97	98888	20.0	18.7	
58 Isooctane	57	4.028	4.024	0.004	96	107208	20.0	20.7	
59 Isopropyl acetate	43	4.036	4.036	0.000	94	255208	20.0	20.6	
60 Tert-amyl methyl ether	73	4.062	4.058	0.004	98	203508	20.0	20.3	
* 61 Fluorobenzene	96	4.204	4.204	0.000	98	601520	50.0	50.0	
62 n-Heptane	43	4.223	4.223	0.000	95	46709	20.0	20.5	
63 n-Butanol	56	4.563	4.563	0.000	95	47474	500.0	432.5	
64 Trichloroethene	95	4.574	4.578	-0.004	98	63555	20.0	19.8	
65 Ethyl acrylate	55	4.732	4.732	0.000	99	95597	20.0	20.6	
66 Methylcyclohexane	83	4.784	4.784	0.000	97	66401	20.0	21.7	
67 1,2-Dichloropropane	63	4.810	4.810	0.000	92	70605	20.0	20.4	
* 68 1,4-Dioxane-d8	96	4.922	4.930	-0.008	69	44373	1000.0	1000.0	
69 Dibromomethane	93	4.930	4.930	0.000	97	41708	20.0	20.1	
70 1,4-Dioxane	88	4.990	4.982	0.008	61	20357	400.0	394.6	
71 Methyl methacrylate	100	4.982	4.986	-0.004	94	40203	40.0	40.2	
72 n-Propyl acetate	43	5.068	5.068	0.000	99	117740	20.0	21.4	
73 Dichlorobromomethane	83	5.125	5.128	-0.003	99	69694	20.0	18.0	
74 2-Nitropropane	41	5.390	5.394	-0.004	98	26809	40.0	28.0	
75 2-Chloroethyl vinyl ether	63	5.510	5.510	0.000	94	24422	20.0	13.7	M
76 Epichlorohydrin	57	5.559	5.555	0.004	99	165962	400.0	396.6	
77 cis-1,3-Dichloropropene	75	5.656	5.660	-0.004	98	98042	20.0	20.0	
78 4-Methyl-2-pentanone (MIBK	43	5.880	5.881	-0.001	98	373681	100.0	101.3	
$ 79 Toluene-d8 (Surr)	98	5.985	5.982	0.003	99	542617	50.0	53.0	
80 Toluene	91	6.068	6.068	0.000	93	259424	20.0	21.8	
81 trans-1,3-Dichloropropene	75	6.374	6.371	0.003	98	85750	20.0	20.1	
82 Ethyl methacrylate	69	6.554	6.554	0.000	92	81240	20.0	20.5	
83 1,1,2-Trichloroethane	83	6.599	6.599	0.000	94	49518	20.0	21.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Tetrachloroethene	166	6.771	6.771	0.000	98	54836	20.0	20.0	
85 1,3-Dichloropropane	76	6.816	6.816	0.000	97	105753	20.0	21.8	
86 2-Hexanone	43	6.988	6.992	-0.004	99	255422	100.0	96.3	
87 Chlorodibromomethane	129	7.112	7.115	-0.003	97	45246	20.0	18.1	
88 n-Butyl acetate	43	7.216	7.217	0.000	97	112333	20.0	21.4	
89 Ethylene Dibromide	107	7.243	7.243	0.000	99	59244	20.0	21.2	
* 90 Chlorobenzene-d5	117	7.931	7.931	0.000	88	416905	50.0	50.0	
91 Chlorobenzene	112	7.969	7.972	-0.003	99	156294	20.0	20.7	
92 1,1,1,2-Tetrachloroethane	131	8.111	8.111	0.000	91	47507	20.0	19.4	
93 Ethylbenzene	106	8.174	8.178	-0.004	99	79039	20.0	20.2	
94 m-Xylene & p-Xylene	106	8.365	8.362	0.003	99	94959	20.0	20.2	
95 o-Xylene	106	8.957	8.953	0.004	95	96266	20.0	20.6	
96 Styrene	104	8.983	8.983	0.000	96	164617	20.0	21.6	
97 n-Butyl acrylate	73	9.028	9.031	-0.003	99	43077	20.0	20.3	
98 Bromoform	173	9.211	9.207	0.004	96	25997	20.0	16.2	
99 Amyl acetate (mixed isomer	43	9.421	9.424	-0.003	90	119728	20.0	20.7	
100 Isopropylbenzene	105	9.563	9.559	0.004	97	219460	20.0	20.7	
$ 101 4-Bromofluorobenzene	174	9.765	9.769	-0.004	90	162612	50.0	49.9	
102 Bromobenzene	156	9.960	9.956	0.004	97	67674	20.0	19.6	
103 1,1,2,2-Tetrachloroethane	83	10.064	10.064	0.000	98	74807	20.0	21.4	
104 1,2,3-Trichloropropane	110	10.090	10.091	-0.001	97	22894	20.0	20.3	
105 trans-1,4-Dichloro-2-buten	53	10.165	10.162	0.003	80	21102	20.0	18.5	
106 N-Propylbenzene	91	10.233	10.233	0.000	99	251352	20.0	22.3	
107 2-Chlorotoluene	91	10.311	10.311	0.000	97	181597	20.0	20.7	
108 4-Ethyltoluene	105	10.431	10.435	-0.004	98	204013	20.0	20.5	
109 4-Chlorotoluene	91	10.498	10.502	-0.004	99	186256	20.0	21.2	
110 1,3,5-Trimethylbenzene	105	10.547	10.551	-0.004	94	174317	20.0	20.5	
111 Butyl Methacrylate	87	10.824	10.820	0.004	95	71207	20.0	20.5	
112 tert-Butylbenzene	119	11.071	11.071	0.000	93	131313	20.0	21.5	
113 1,2,4-Trimethylbenzene	105	11.150	11.150	0.000	98	192012	20.0	21.2	
114 sec-Butylbenzene	105	11.411	11.412	-0.001	98	163770	20.0	21.3	
115 1,3-Dichlorobenzene	146	11.498	11.498	0.000	96	118086	20.0	20.6	
* 116 1,4-Dichlorobenzene-d4	152	11.599	11.595	0.004	97	220272	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.632	11.629	0.003	94	107579	20.0	18.8	
118 4-Isopropyltoluene	119	11.644	11.640	0.004	98	143938	20.0	20.7	
119 Benzyl chloride	126	11.831	11.831	0.000	97	16837	20.0	15.1	
120 2,3-Dihydroindene	117	11.958	11.958	0.000	95	212874	20.0	21.0	
121 1,2-Dichlorobenzene	146	12.081	12.085	-0.004	96	119752	20.0	21.3	
122 p-Diethylbenzene	119	12.130	12.126	0.004	93	85941	20.0	20.3	
123 n-Butylbenzene	91	12.152	12.153	-0.001	97	162551	20.0	21.7	
124 1,2-Dibromo-3-Chloropropan	75	12.938	12.935	0.003	89	13754	20.0	19.2	
125 1,2,4,5-Tetramethylbenzene	119	12.953	12.953	0.000	97	172163	20.0	21.4	
126 1,3,5-Trichlorobenzene	180	13.148	13.148	0.000	97	68410	20.0	20.4	
127 1,2,4-Trichlorobenzene	180	13.702	13.698	0.004	95	69964	20.0	19.6	
128 Hexachlorobutadiene	225	13.870	13.870	0.000	95	21406	20.0	20.3	
129 Naphthalene	128	13.896	13.896	0.000	99	241214	20.0	23.7	
130 1,2,3-Trichlorobenzene	180	14.098	14.098	0.000	96	68136	20.0	20.1	
S 131 1,2-Dichloroethene, Total	100				0		40.0	39.9	
S 132 Xylenes, Total	100				0		40.0	40.7	
S 133 Total BTEX	1				0		100.0	102.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00174	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00043	Amount Added:	20.00	Units: uL	
ACROLEIN W_00056	Amount Added:	4.00	Units: uL	
8260ISNEW_00090	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00139	Amount Added:	1.00	Units: uL	Run Reagent

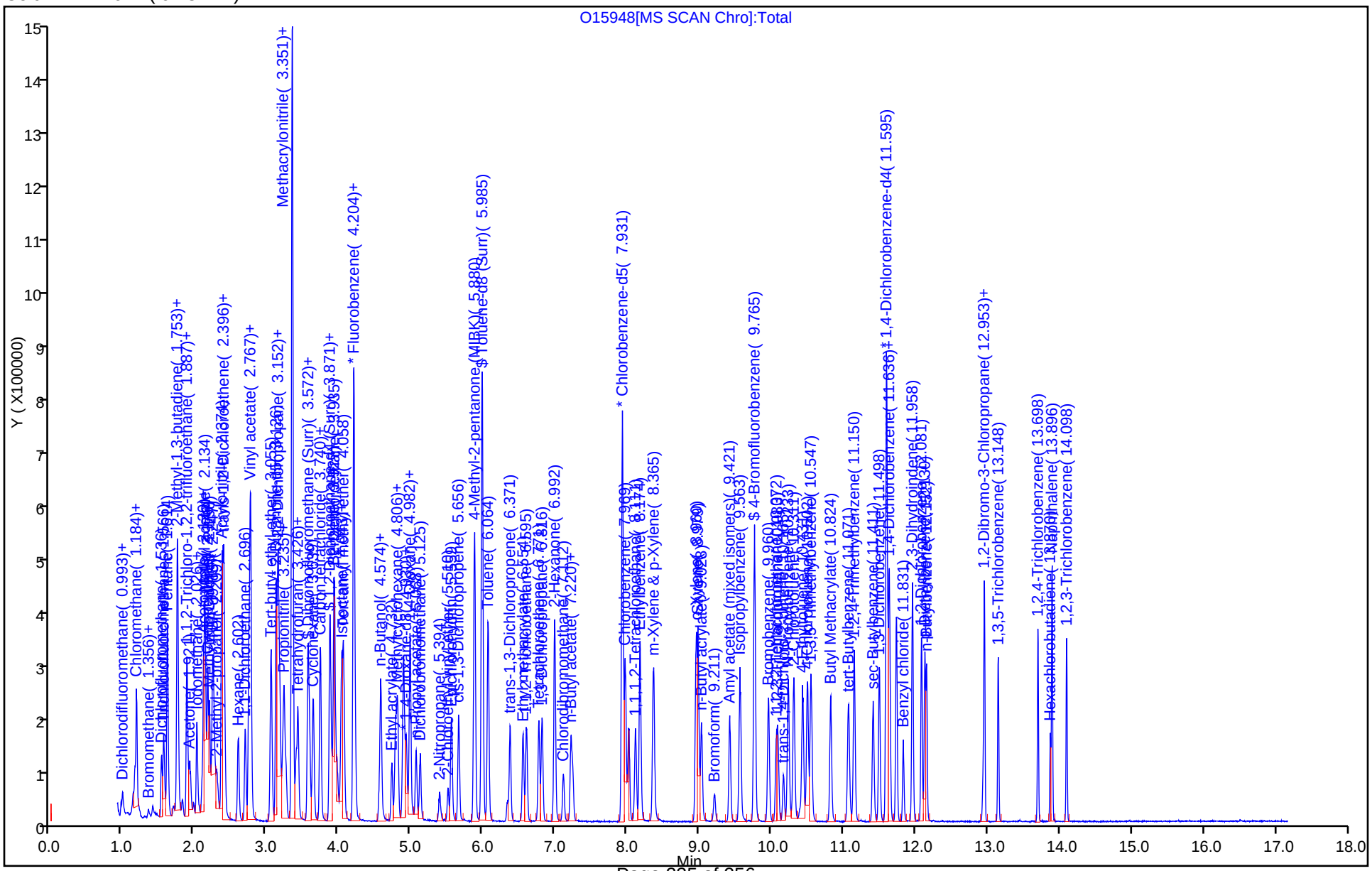
Report Date: 07-Oct-2016 13:27:32 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46552.b\O15948.D

Injection Date:	07-Oct-2016 07:15:30	Instrument ID:	CVOAMS12	Operator ID:	
Lims ID:	LCSD			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-121091-A-4 MS

Matrix: Water | Lab File ID: O15983.D

Analysis Method: 8260C | Date Collected: 09/27/2016 10:50

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 23:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395751 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	18.1		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	19.2		1.0	0.19
79-00-5	1,1,2-Trichloroethane	18.8		1.0	0.080
75-34-3	1,1-Dichloroethane	19.5		1.0	0.24
75-35-4	1,1-Dichloroethene	19.4		1.0	0.34
107-06-2	1,2-Dichloroethane	19.4		1.0	0.25
78-87-5	1,2-Dichloropropane	19.1		1.0	0.18
123-91-1	1,4-Dioxane	1040		50	8.7
78-93-3	2-Butanone	85.4		5.0	2.2
591-78-6	2-Hexanone	86.6		5.0	0.72
108-10-1	MIBK	89.2		5.0	0.63
67-64-1	Acetone	78.1		5.0	1.1
71-43-2	Benzene	61.3		1.0	0.090
75-27-4	Bromodichloromethane	18.4		1.0	0.15
75-25-2	Bromoform	14.4		1.0	0.18
74-83-9	Bromomethane	30.6		1.0	0.18
75-15-0	Carbon disulfide	19.9		1.0	0.22
56-23-5	Carbon tetrachloride	18.3		1.0	0.33
108-90-7	Chlorobenzene	76.4		1.0	0.24
75-00-3	Chloroethane	32.1		1.0	0.37
67-66-3	Chloroform	18.9		1.0	0.22
74-87-3	Chloromethane	19.3		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	19.1		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	17.7		1.0	0.16
124-48-1	Dibromochloromethane	17.1		1.0	0.22
100-41-4	Ethylbenzene	55.5		1.0	0.30
75-09-2	Methylene Chloride	19.4		1.0	0.21
100-42-5	Styrene	19.5		1.0	0.17
127-18-4	Tetrachloroethene	17.6		1.0	0.12
108-88-3	Toluene	21.2		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	18.9		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	17.2		1.0	0.19
79-01-6	Trichloroethene	18.6		1.0	0.22
75-01-4	Vinyl chloride	18.9		1.0	0.060
1330-20-7	Xylenes, Total	67.1		2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-121091-A-4 MS

Matrix: Water Lab File ID: O15983.D

Analysis Method: 8260C Date Collected: 09/27/2016 10:50

Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 23:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 395751 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		74-132
460-00-4	Bromofluorobenzene	96		77-124
1868-53-7	Dibromofluoromethane (Surr)	102		72-131
2037-26-5	Toluene-d8 (Surr)	102		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15983.D
Lims ID: 460-121091-A-4 MS
Client ID: MW8S-092716
Sample Type: MS
Inject. Date: 07-Oct-2016 23:11:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-121091-A-4 MS
Misc. Info.: 460-0046589-014
Operator ID: Instrument ID: CVOAMS12

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 11-Oct-2016 00:45:44 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: kluseys Date: 11-Oct-2016 00:29:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.974	0.975	0.000	83	7659	20.0	17.1	
2 Dichlorodifluoromethane	85	0.993	0.993	0.000	99	69792	20.0	16.7	
3 Chloromethane	50	1.139	1.135	0.004	98	78467	20.0	19.3	
4 Vinyl chloride	62	1.165	1.162	0.003	98	76695	20.0	18.9	
5 Butadiene	54	1.184	1.184	0.000	98	68726	20.0	18.9	
6 Bromomethane	94	1.356	1.356	0.000	98	20136	20.0	30.6	
7 Chloroethane	64	1.416	1.416	0.000	100	50462	20.0	32.1	
8 Dichlorofluoromethane	67	1.536	1.536	0.000	98	122156	20.0	20.3	
9 Trichlorofluoromethane	101	1.573	1.573	0.000	98	85658	20.0	20.9	
10 Pentane	72	1.626	1.618	0.008	96	17216	40.0	39.1	
11 Ethanol	46	1.678	1.682	-0.004	96	18340	800.0	831.2	
12 Ethyl ether	59	1.749	1.745	0.004	93	69186	20.0	22.2	
13 1,2-Dichloro-1,1,2-trifluo	117	1.749	1.749	0.000	82	45116	20.0	20.1	
14 2-Methyl-1,3-butadiene	53	1.760	1.764	-0.004	97	57250	20.0	20.0	
15 Acrolein	56	1.820	1.820	0.000	87	5948	40.0	12.8	
16 1,1-Dichloroethene	96	1.888	1.888	0.000	94	49171	20.0	19.4	
17 1,1,2-Trichloro-1,2,2-trif	101	1.895	1.891	0.004	96	45838	20.0	20.2	
18 Acetone	58	1.918	1.918	0.000	86	35761	100.0	78.1	
19 Iodomethane	142	1.981	1.981	0.000	99	28956	20.0	10.8	
20 Isopropyl alcohol	45	2.011	2.011	0.000	99	40968	200.0	164.5	
21 Carbon disulfide	76	2.026	2.026	0.000	100	158243	20.0	19.9	
23 Acetonitrile	41	2.176	2.120	0.056	34	28221	200.0	28.5	
22 3-Chloro-1-propene	76	2.116	2.120	-0.004	89	30782	20.0	17.1	
24 Methyl acetate	74	2.138	2.135	0.003	99	51874	100.0	97.1	
25 Cyclopentene	67	2.176	2.180	-0.004	96	139954	20.0	19.4	
26 Methylene Chloride	84	2.202	2.202	0.000	97	62113	20.0	19.4	
* 27 TBA-d9 (IS)	65	2.236	2.232	0.004	98	312364	1000.0	1000.0	
28 2-Methyl-2-propanol	59	2.288	2.288	0.000	98	186706	200.0	507.0	
29 Acrylonitrile	53	2.367	2.367	0.000	94	253701	200.0	180.5	
30 trans-1,2-Dichloroethene	96	2.393	2.393	0.000	98	58269	20.0	18.9	
31 Methyl tert-butyl ether	73	2.400	2.400	0.000	98	205062	20.0	18.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	57	2.606	2.602	0.004	93	59083	20.0	21.0	
33 1,1-Dichloroethane	63	2.696	2.692	0.004	100	115871	20.0	19.5	
34 Vinyl acetate	86	2.745	2.741	0.004	100	23640	40.0	38.5	
35 Isopropyl ether	45	2.767	2.767	0.000	96	241439	20.0	20.7	
36 2-Chloro-1,3-butadiene	88	2.767	2.771	-0.004	92	54271	20.0	18.9	
37 Tert-butyl ethyl ether	59	3.051	3.051	0.000	89	201096	20.0	18.0	
* 38 2-Butanone-d5	46	3.119	3.123	-0.004	31	421737	250.0	250.0	
39 2,2-Dichloropropane	97	3.156	3.152	0.004	77	19157	20.0	18.4	
40 cis-1,2-Dichloroethene	96	3.152	3.152	0.000	92	66714	20.0	19.1	
41 2-Butanone (MEK)	72	3.171	3.171	0.000	99	42350	100.0	85.4	
42 Propionitrile	54	3.212	3.216	-0.004	98	108486	200.0	218.8	
43 Ethyl acetate	70	3.235	3.231	0.004	99	14877	40.0	36.8	
44 Methyl acrylate	55	3.257	3.261	-0.004	99	67141	20.0	17.8	
45 Methacrylonitrile	67	3.347	3.343	0.004	95	302294	200.0	200.8	
46 Chlorobromomethane	128	3.355	3.355	0.000	96	29514	20.0	18.4	
47 Tetrahydrofuran	42	3.396	3.396	0.000	95	204653	40.0	145.5	
48 Chloroform	83	3.426	3.426	0.000	98	102968	20.0	18.9	
$ 49 Dibromofluoromethane (Surr	113	3.568	3.568	0.000	97	138599	50.0	51.2	
50 1,1,1-Trichloroethane	97	3.587	3.590	-0.003	98	77996	20.0	18.1	
51 Cyclohexane	56	3.643	3.643	0.000	95	90331	20.0	21.4	
53 Carbon tetrachloride	117	3.736	3.736	0.000	70	57041	20.0	18.3	
52 1,1-Dichloropropene	75	3.740	3.740	0.000	94	80157	20.0	20.2	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.871	3.875	-0.004	98	190409	50.0	51.5	
55 Isobutyl alcohol	43	3.882	3.882	0.000	96	65569	500.0	430.8	
56 Benzene	78	3.927	3.931	-0.004	97	771155	20.0	61.3	
57 1,2-Dichloroethane	62	3.942	3.942	0.000	97	95361	20.0	19.4	
59 Isopropyl acetate	43	4.036	3.965	0.071	91	214845	20.0	18.6	
58 Isooctane	57	4.028	4.032	-0.004	94	112154	20.0	23.3	
60 Tert-amyl methyl ether	73	4.058	4.058	0.000	97	170405	20.0	18.3	
* 61 Fluorobenzene	96	4.200	4.204	-0.004	99	558592	50.0	50.0	
62 n-Heptane	43	4.226	4.223	0.003	94	48208	20.0	22.8	
63 n-Butanol	56	4.556	4.556	0.000	96	39415	500.0	452.4	
64 Trichloroethene	95	4.578	4.578	0.000	98	55512	20.0	18.6	
65 Ethyl acrylate	55	4.728	4.724	0.004	99	79714	20.0	18.5	
66 Methylcyclohexane	83	4.784	4.784	0.000	96	62940	20.0	22.1	
67 1,2-Dichloropropane	63	4.810	4.807	0.003	94	61370	20.0	19.1	
* 68 1,4-Dioxane-d8	96	4.919	4.923	-0.004	89	42051	1000.0	1000.0	
69 Dibromomethane	93	4.930	4.930	0.000	96	41199	20.0	21.4	
70 1,4-Dioxane	88	4.979	4.979	0.000	36	50724	400.0	1037.5	
71 Methyl methacrylate	100	4.982	4.982	0.000	94	32413	40.0	34.9	
72 n-Propyl acetate	43	5.065	5.065	0.000	99	94510	20.0	18.5	
73 Dichlorobromomethane	83	5.125	5.125	0.000	99	66457	20.0	18.4	
74 2-Nitropropane	41	5.394	5.390	0.004	98	24769	40.0	27.9	
75 2-Chloroethyl vinyl ether	63	5.510	5.510	0.000	95	26036	20.0	15.8	
76 Epichlorohydrin	57	5.551	5.555	-0.004	97	128742	400.0	343.5	
77 cis-1,3-Dichloropropene	75	5.660	5.660	0.000	96	85365	20.0	17.7	
78 4-Methyl-2-pentanone (MIBK	43	5.881	5.877	0.004	99	294655	100.0	89.2	
$ 79 Toluene-d8 (Surr)	98	5.982	5.985	-0.003	99	513813	50.0	51.0	
80 Toluene	91	6.068	6.064	0.004	93	248782	20.0	21.2	
81 trans-1,3-Dichloropropene	75	6.371	6.375	-0.004	98	72417	20.0	17.2	
82 Ethyl methacrylate	69	6.550	6.550	0.000	90	65935	20.0	16.9	
83 1,1,2-Trichloroethane	83	6.595	6.595	0.000	94	41802	20.0	18.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Tetrachloroethene	166	6.775	6.771	0.004	96	47544	20.0	17.6	
85 1,3-Dichloropropane	76	6.816	6.816	0.000	96	89944	20.0	18.8	
86 2-Hexanone	43	6.985	6.992	-0.008	99	205665	100.0	86.6	
87 Chlorodibromomethane	129	7.115	7.119	-0.004	99	42080	20.0	17.1	
88 n-Butyl acetate	43	7.213	7.217	-0.004	98	86838	20.0	16.8	
89 Ethylene Dibromide	107	7.239	7.239	0.000	100	49529	20.0	18.0	
* 90 Chlorobenzene-d5	117	7.935	7.931	0.004	90	410610	50.0	50.0	
91 Chlorobenzene	112	7.972	7.969	0.003	98	569739	20.0	76.4	
92 1,1,1,2-Tetrachloroethane	131	8.115	8.111	0.004	92	38801	20.0	16.1	
93 Ethylbenzene	106	8.178	8.175	0.003	99	213747	20.0	55.5	
94 m-Xylene & p-Xylene	106	8.365	8.362	0.003	97	203258	20.0	43.9	
95 o-Xylene	106	8.957	8.957	0.000	94	107233	20.0	23.3	
96 Styrene	104	8.979	8.983	-0.004	92	145817	20.0	19.5	
97 n-Butyl acrylate	73	9.028	9.032	-0.004	99	36530	20.0	17.5	
98 Bromoform	173	9.207	9.211	-0.004	97	22682	20.0	14.4	
99 Amyl acetate (mixed isomer	43	9.421	9.424	-0.003	90	95011	20.0	17.0	
100 Isopropylbenzene	105	9.567	9.563	0.004	97	233371	20.0	22.4	
$ 101 4-Bromofluorobenzene	174	9.769	9.769	0.000	94	154197	50.0	48.0	
102 Bromobenzene	156	9.960	9.960	0.000	96	58001	20.0	17.4	
103 1,1,2,2-Tetrachloroethane	83	10.064	10.068	-0.004	98	64976	20.0	19.2	
104 1,2,3-Trichloropropane	110	10.091	10.091	0.000	97	18723	20.0	17.2	
105 trans-1,4-Dichloro-2-buten	53	10.169	10.169	0.000	77	19648	20.0	17.8	
106 N-Propylbenzene	91	10.233	10.233	0.000	99	218336	20.0	20.0	
107 2-Chlorotoluene	91	10.308	10.311	-0.003	98	152442	20.0	18.0	
108 4-Ethyltoluene	105	10.431	10.431	0.000	99	194733	20.0	20.2	
109 4-Chlorotoluene	91	10.502	10.499	0.004	98	147219	20.0	17.3	
110 1,3,5-Trimethylbenzene	105	10.547	10.551	-0.004	93	162203	20.0	19.7	
111 Butyl Methacrylate	87	10.820	10.820	0.000	95	56513	20.0	16.8	
112 tert-Butylbenzene	119	11.071	11.071	0.000	96	109085	20.0	18.5	
113 1,2,4-Trimethylbenzene	105	11.150	11.146	0.004	98	313622	20.0	35.8	
114 sec-Butylbenzene	105	11.408	11.412	-0.004	99	139281	20.0	18.8	
115 1,3-Dichlorobenzene	146	11.494	11.498	-0.004	95	102219	20.0	18.4	
* 116 1,4-Dichlorobenzene-d4	152	11.595	11.599	-0.004	96	213064	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.629	11.629	0.000	95	159599	20.0	28.9	
118 4-Isopropyltoluene	119	11.644	11.644	0.000	96	131640	20.0	19.6	
119 Benzyl chloride	126	11.831	11.831	0.000	98	13895	20.0	13.0	
120 2,3-Dihydroindene	117	11.958	11.958	0.000	94	205389	20.0	20.9	
121 1,2-Dichlorobenzene	146	12.081	12.085	-0.004	96	105385	20.0	19.4	
122 p-Diethylbenzene	119	12.130	12.126	0.004	90	79261	20.0	19.4	
123 n-Butylbenzene	91	12.153	12.153	0.000	97	135395	20.0	18.7	
124 1,2-Dibromo-3-Chloropropan	75	12.938	12.935	0.003	90	11797	20.0	17.0	
125 1,2,4,5-Tetramethylbenzene	119	12.953	12.953	0.000	97	157232	20.0	20.2	
126 1,3,5-Trichlorobenzene	180	13.152	13.148	0.004	96	52788	20.0	16.3	
127 1,2,4-Trichlorobenzene	180	13.698	13.698	0.000	95	59616	20.0	17.3	
128 Hexachlorobutadiene	225	13.870	13.870	0.000	95	18339	20.0	18.0	
129 Naphthalene	128	13.896	13.893	0.003	99	284641	20.0	28.9	
130 1,2,3-Trichlorobenzene	180	14.099	14.099	-0.001	95	52441	20.0	16.0	
S 131 1,2-Dichloroethene, Total	100				0		40.0	37.9	
S 132 Xylenes, Total	100				0		40.0	67.1	
S 133 Total BTEX	1				0		100.0	205.2	

Reagents:

GASES Li_00174	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00043	Amount Added:	20.00	Units: uL	
ACROLEIN W_00056	Amount Added:	4.00	Units: uL	
8260ISNEW_00090	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00139	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 11-Oct-2016 00:45:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15983.D

Injection Date: 07-Oct-2016 23:11:30 Instrument ID: CVOAMS12 Operator ID:

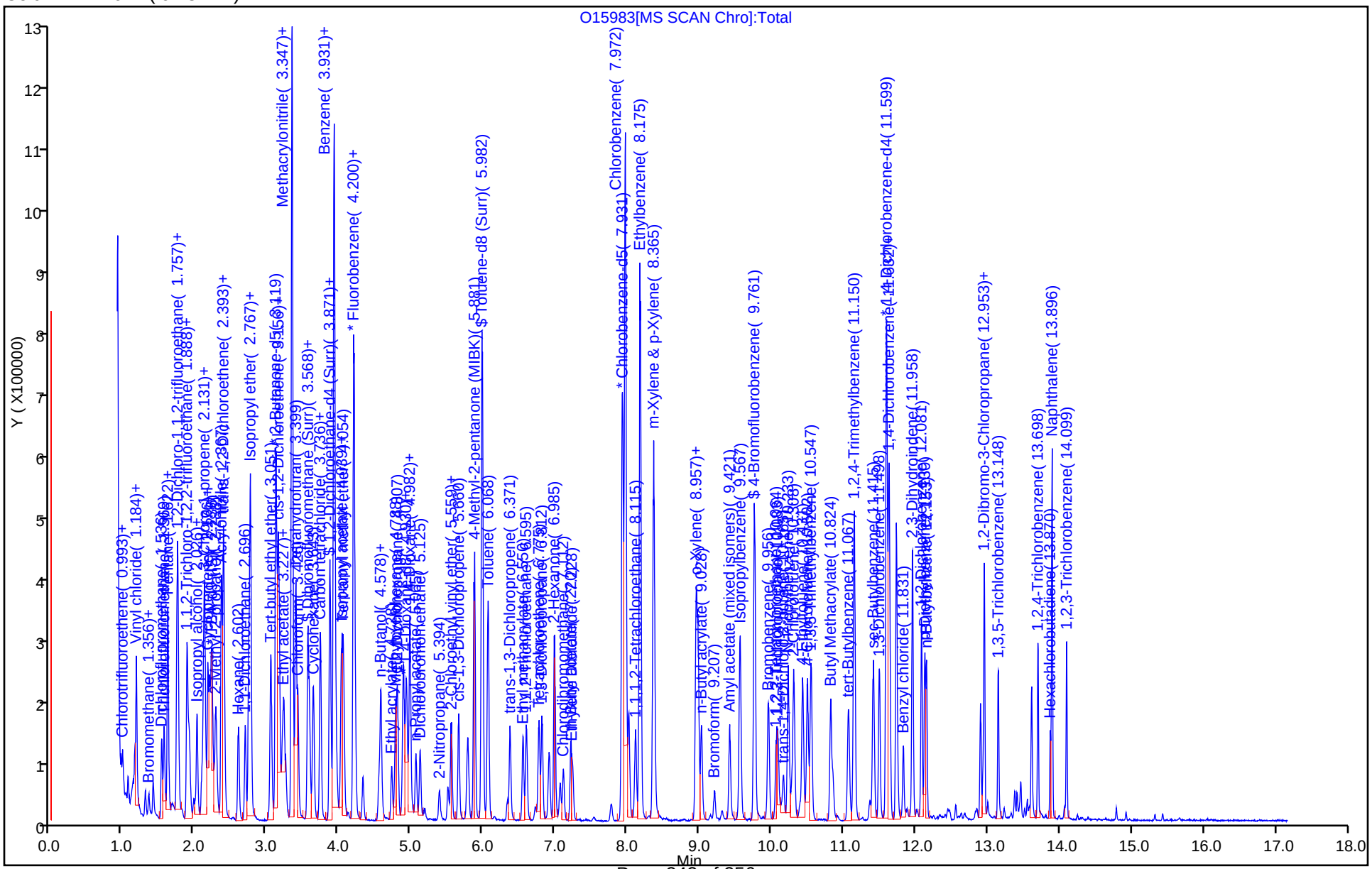
Lims ID: 460-121091-A-4 MS Worklist Smp#: 14

Client ID: MW8S-092716

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 13

Method: 8260W_12 Limit Group: VOA - 8260C Water and Solid

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-121166-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-121091-A-4 MSD

Matrix: Water | Lab File ID: O15984.D

Analysis Method: 8260C | Date Collected: 09/27/2016 10:50

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2016 23:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 395751 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	17.6		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	19.5		1.0	0.19
79-00-5	1,1,2-Trichloroethane	18.5		1.0	0.080
75-34-3	1,1-Dichloroethane	19.5		1.0	0.24
75-35-4	1,1-Dichloroethene	19.0		1.0	0.34
107-06-2	1,2-Dichloroethane	17.7		1.0	0.25
78-87-5	1,2-Dichloropropane	18.2		1.0	0.18
123-91-1	1,4-Dioxane	1060		50	8.7
78-93-3	2-Butanone	85.2		5.0	2.2
591-78-6	2-Hexanone	89.7		5.0	0.72
108-10-1	MIBK	98.6		5.0	0.63
67-64-1	Acetone	81.5		5.0	1.1
71-43-2	Benzene	58.3		1.0	0.090
75-27-4	Bromodichloromethane	17.6		1.0	0.15
75-25-2	Bromoform	14.0		1.0	0.18
74-83-9	Bromomethane	33.4		1.0	0.18
75-15-0	Carbon disulfide	20.0		1.0	0.22
56-23-5	Carbon tetrachloride	17.5		1.0	0.33
108-90-7	Chlorobenzene	77.2		1.0	0.24
75-00-3	Chloroethane	27.6		1.0	0.37
67-66-3	Chloroform	18.5		1.0	0.22
74-87-3	Chloromethane	18.6		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	18.7		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	16.5		1.0	0.16
124-48-1	Dibromochloromethane	15.5		1.0	0.22
100-41-4	Ethylbenzene	54.5		1.0	0.30
75-09-2	Methylene Chloride	18.2		1.0	0.21
100-42-5	Styrene	19.7		1.0	0.17
127-18-4	Tetrachloroethene	18.3		1.0	0.12
108-88-3	Toluene	20.1		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	18.7		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	17.2		1.0	0.19
79-01-6	Trichloroethene	18.3		1.0	0.22
75-01-4	Vinyl chloride	18.7		1.0	0.060
1330-20-7	Xylenes, Total	64.9		2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-121091-A-4 MSD

Matrix: Water Lab File ID: O15984.D

Analysis Method: 8260C Date Collected: 09/27/2016 10:50

Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 23:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 395751 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		74-132
460-00-4	Bromofluorobenzene	98		77-124
1868-53-7	Dibromofluoromethane (Surr)	101		72-131
2037-26-5	Toluene-d8 (Surr)	106		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15984.D
Lims ID: 460-121091-A-4 MSD
Client ID: MW8S-092716
Sample Type: MSD
Inject. Date: 07-Oct-2016 23:38:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-121091-A-4 MSD
Misc. Info.: 460-0046589-015
Operator ID: Instrument ID: CVOAMS12

Method: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\8260W_12.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 11-Oct-2016 00:45:44 Calib Date: 30-Sep-2016 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS12\20160930-46245.b\O15612.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: starzecm Date: 08-Oct-2016 00:24:55

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	66	0.975	0.975	0.000	85	7458	20.0	15.8	
2	Dichlorodifluoromethane	85	0.993	0.993	0.000	99	69982	20.0	15.9	
3	Chloromethane	50	1.143	1.135	0.008	99	79251	20.0	18.6	
4	Vinyl chloride	62	1.165	1.162	0.003	98	80008	20.0	18.7	
5	Butadiene	54	1.184	1.184	0.000	97	74749	20.0	19.5	
6	Bromomethane	94	1.356	1.356	0.000	99	21868	20.0	33.4	
7	Chloroethane	64	1.420	1.416	0.004	99	45742	20.0	27.6	
8	Dichlorofluoromethane	67	1.540	1.536	0.004	98	119004	20.0	18.8	
9	Trichlorofluoromethane	101	1.570	1.573	-0.003	98	89113	20.0	20.7	
10	Pentane	72	1.622	1.618	0.004	97	17182	40.0	37.1	
11	Ethanol	46	1.678	1.682	-0.004	96	17878	800.0	742.7	
12	Ethyl ether	59	1.749	1.745	0.004	93	66863	20.0	20.4	
13	1,2-Dichloro-1,1,2-trifluo	117	1.749	1.749	0.000	94	47251	20.0	20.0	
14	2-Methyl-1,3-butadiene	53	1.760	1.764	-0.004	93	57325	20.0	19.1	
15	Acrolein	56	1.820	1.820	0.000	89	4894	40.0	9.64	
16	1,1-Dichloroethene	96	1.888	1.888	0.000	96	50832	20.0	19.0	
17	1,1,2-Trichloro-1,2,2-trif	101	1.895	1.891	0.004	93	47800	20.0	20.1	
18	Acetone	58	1.918	1.918	0.000	85	37088	100.0	81.5	
19	Iodomethane	142	1.981	1.981	0.000	98	35762	20.0	12.7	
20	Isopropyl alcohol	45	2.011	2.011	0.000	99	41483	200.0	152.7	
21	Carbon disulfide	76	2.026	2.026	0.000	100	167016	20.0	20.0	
23	Acetonitrile	41	2.120	2.120	0.000	80	221196	200.0	204.6	
22	3-Chloro-1-propene	76	2.120	2.120	0.000	89	32875	20.0	17.4	
24	Methyl acetate	74	2.138	2.135	0.003	99	57992	100.0	99.5	
25	Cyclopentene	67	2.180	2.180	0.000	97	146123	20.0	19.2	
26	Methylene Chloride	84	2.202	2.202	0.000	97	61250	20.0	18.2	
* 27	TBA-d9 (IS)	65	2.228	2.232	-0.004	98	340777	1000.0	1000.0	
28	2-Methyl-2-propanol	59	2.288	2.288	0.000	98	187690	200.0	466.2	
29	Acrylonitrile	53	2.367	2.367	0.000	95	263482	200.0	178.1	
30	trans-1,2-Dichloroethene	96	2.393	2.393	0.000	97	60859	20.0	18.7	
31	Methyl tert-butyl ether	73	2.400	2.400	0.000	98	208563	20.0	18.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	57	2.599	2.602	-0.003	94	61794	20.0	20.9	
33 1,1-Dichloroethane	63	2.696	2.692	0.004	99	121536	20.0	19.5	
34 Vinyl acetate	86	2.741	2.741	0.000	100	23828	40.0	36.8	
35 Isopropyl ether	45	2.767	2.767	0.000	89	237988	20.0	19.4	
36 2-Chloro-1,3-butadiene	88	2.771	2.771	0.000	93	58459	20.0	19.4	
37 Tert-butyl ethyl ether	59	3.051	3.051	0.000	87	201782	20.0	17.2	
* 38 2-Butanone-d5	46	3.119	3.123	-0.004	32	419097	250.0	250.0	
39 2,2-Dichloropropane	97	3.156	3.152	0.004	79	19987	20.0	18.3	
40 cis-1,2-Dichloroethene	96	3.152	3.152	0.000	92	68990	20.0	18.7	
41 2-Butanone (MEK)	72	3.171	3.171	0.000	100	42009	100.0	85.2	
42 Propionitrile	54	3.216	3.216	0.000	97	99897	200.0	184.7	
43 Ethyl acetate	70	3.227	3.231	-0.004	99	14708	40.0	36.6	
44 Methyl acrylate	55	3.261	3.261	0.000	99	68448	20.0	17.3	
45 Methacrylonitrile	67	3.347	3.343	0.004	96	296312	200.0	187.1	
46 Chlorobromomethane	128	3.351	3.355	-0.004	86	31445	20.0	18.6	
47 Tetrahydrofuran	42	3.399	3.396	0.003	96	208519	40.0	149.2	
48 Chloroform	83	3.426	3.426	0.000	98	105659	20.0	18.5	
$ 49 Dibromofluoromethane (Surr	113	3.564	3.568	-0.004	97	143086	50.0	50.3	
50 1,1,1-Trichloroethane	97	3.590	3.590	0.000	97	79803	20.0	17.6	
51 Cyclohexane	56	3.643	3.643	0.000	94	93382	20.0	21.0	
53 Carbon tetrachloride	117	3.740	3.736	0.004	71	57273	20.0	17.5	
52 1,1-Dichloropropene	75	3.740	3.740	0.000	93	85017	20.0	20.3	
$ 54 1,2-Dichloroethane-d4 (Sur	65	3.871	3.875	-0.004	96	188722	50.0	48.5	
55 Isobutyl alcohol	43	3.878	3.882	-0.004	96	67314	500.0	405.3	
56 Benzene	78	3.931	3.931	0.000	98	752404	20.0	58.3	
57 1,2-Dichloroethane	62	3.942	3.942	0.000	97	91738	20.0	17.7	
59 Isopropyl acetate	43	3.961	3.965	-0.004	40	12960	20.0	1.07	
58 Isooctane	57	4.032	4.032	0.000	82	120963	20.0	23.9	
60 Tert-amyl methyl ether	73	4.058	4.058	0.000	92	170338	20.0	17.4	
* 61 Fluorobenzene	96	4.204	4.204	0.000	99	587765	50.0	50.0	
62 n-Heptane	43	4.219	4.223	-0.004	95	52432	20.0	23.6	
63 n-Butanol	56	4.556	4.556	0.000	87	39943	500.0	420.3	
64 Trichloroethene	95	4.578	4.578	0.000	98	57350	20.0	18.3	
65 Ethyl acrylate	55	4.728	4.724	0.004	98	79094	20.0	17.4	
66 Methylcyclohexane	83	4.784	4.784	0.000	96	64105	20.0	21.4	
67 1,2-Dichloropropane	63	4.810	4.807	0.003	94	61507	20.0	18.2	
* 68 1,4-Dioxane-d8	96	4.923	4.923	0.000	85	41528	1000.0	1000.0	
69 Dibromomethane	93	4.930	4.930	0.000	83	38704	20.0	19.1	
70 1,4-Dioxane	88	4.979	4.979	0.000	36	50955	400.0	1055.4	
71 Methyl methacrylate	100	4.982	4.982	0.000	92	34070	40.0	34.8	
72 n-Propyl acetate	43	5.065	5.065	0.000	99	94532	20.0	17.6	
73 Dichlorobromomethane	83	5.125	5.125	0.000	99	66571	20.0	17.6	
74 2-Nitropropane	41	5.390	5.390	0.000	98	23384	40.0	25.0	
75 2-Chloroethyl vinyl ether	63	5.510	5.510	0.000	95	32284	20.0	18.6	
76 Epichlorohydrin	57	5.555	5.555	0.000	99	140714	400.0	377.8	
77 cis-1,3-Dichloropropene	75	5.656	5.660	-0.004	98	81530	20.0	16.5	
78 4-Methyl-2-pentanone (MIBK	43	5.877	5.877	0.000	99	323778	100.0	98.6	
$ 79 Toluene-d8 (Surr)	98	5.982	5.985	-0.003	98	546929	50.0	52.9	
80 Toluene	91	6.068	6.064	0.004	93	242078	20.0	20.1	
81 trans-1,3-Dichloropropene	75	6.371	6.375	-0.004	97	74417	20.0	17.2	
82 Ethyl methacrylate	69	6.550	6.550	0.000	91	69139	20.0	17.2	
83 1,1,2-Trichloroethane	83	6.599	6.595	0.004	94	42187	20.0	18.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Tetrachloroethene	166	6.775	6.771	0.004	98	50749	20.0	18.3	
85 1,3-Dichloropropane	76	6.816	6.816	0.000	96	90143	20.0	18.4	
86 2-Hexanone	43	6.992	6.992	0.000	98	211580	100.0	89.7	
87 Chlorodibromomethane	129	7.116	7.119	-0.003	98	39287	20.0	15.5	
88 n-Butyl acetate	43	7.217	7.217	0.000	98	88264	20.0	16.6	
89 Ethylene Dibromide	107	7.243	7.239	0.004	98	50672	20.0	17.9	
* 90 Chlorobenzene-d5	117	7.935	7.931	0.004	87	421083	50.0	50.0	
91 Chlorobenzene	112	7.972	7.969	0.003	95	589793	20.0	77.2	
92 1,1,1,2-Tetrachloroethane	131	8.115	8.111	0.004	92	40417	20.0	16.3	
93 Ethylbenzene	106	8.178	8.175	0.003	99	215188	20.0	54.5	
94 m-Xylene & p-Xylene	106	8.369	8.362	0.007	97	199167	20.0	41.9	
95 o-Xylene	106	8.957	8.957	0.000	92	108569	20.0	23.0	
96 Styrene	104	8.983	8.983	0.000	95	151593	20.0	19.7	
97 n-Butyl acrylate	73	9.028	9.032	-0.004	99	35956	20.0	16.8	
98 Bromoform	173	9.207	9.211	-0.004	97	22700	20.0	14.0	
99 Amyl acetate (mixed isomer	43	9.421	9.424	-0.003	90	105546	20.0	19.1	
100 Isopropylbenzene	105	9.563	9.563	0.000	96	239258	20.0	22.4	
$ 101 4-Bromofluorobenzene	174	9.765	9.769	-0.004	91	161345	50.0	49.0	
102 Bromobenzene	156	9.956	9.960	-0.004	95	59801	20.0	18.1	
103 1,1,2,2-Tetrachloroethane	83	10.064	10.068	-0.004	98	65146	20.0	19.5	
104 1,2,3-Trichloropropane	110	10.091	10.091	0.000	96	19749	20.0	18.4	
105 trans-1,4-Dichloro-2-buten	53	10.237	10.169	0.068	38	1573	20.0	1.44	
106 N-Propylbenzene	91	10.233	10.233	0.000	99	235933	20.0	21.9	
107 2-Chlorotoluene	91	10.311	10.311	0.000	97	156116	20.0	18.6	
108 4-Ethyltoluene	105	10.435	10.431	0.004	98	192204	20.0	20.3	
109 4-Chlorotoluene	91	10.502	10.499	0.004	98	161850	20.0	19.3	
110 1,3,5-Trimethylbenzene	105	10.547	10.551	-0.004	92	167315	20.0	20.6	
111 Butyl Methacrylate	87	10.824	10.820	0.004	95	58329	20.0	17.6	
112 tert-Butylbenzene	119	11.071	11.071	0.000	97	108813	20.0	18.7	
113 1,2,4-Trimethylbenzene	105	11.150	11.146	0.004	98	316128	20.0	36.5	
114 sec-Butylbenzene	105	11.412	11.412	0.000	98	146204	20.0	20.0	
115 1,3-Dichlorobenzene	146	11.498	11.498	0.000	94	102603	20.0	18.7	
* 116 1,4-Dichlorobenzene-d4	152	11.599	11.599	0.000	96	210217	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.629	11.629	0.000	96	162809	20.0	29.8	
118 4-Isopropyltoluene	119	11.640	11.644	-0.004	98	143311	20.0	21.6	
119 Benzyl chloride	126	11.827	11.831	-0.004	98	13227	20.0	12.5	
120 2,3-Dihydroindene	117	11.958	11.958	0.000	94	210431	20.0	21.7	
121 1,2-Dichlorobenzene	146	12.081	12.085	-0.004	96	109247	20.0	20.4	
122 p-Diethylbenzene	119	12.130	12.126	0.004	91	83216	20.0	20.6	
123 n-Butylbenzene	91	12.153	12.153	0.000	95	142151	20.0	19.8	
124 1,2-Dibromo-3-Chloropropan	75	12.935	12.935	0.000	92	12577	20.0	18.4	
125 1,2,4,5-Tetramethylbenzene	119	12.953	12.953	0.000	98	148574	20.0	19.3	
126 1,3,5-Trichlorobenzene	180	13.148	13.148	0.000	97	60127	20.0	18.8	
127 1,2,4-Trichlorobenzene	180	13.698	13.698	0.000	94	60847	20.0	17.9	
128 Hexachlorobutadiene	225	13.870	13.870	0.000	93	20758	20.0	20.6	
129 Naphthalene	128	13.893	13.893	0.000	99	296639	20.0	30.5	
130 1,2,3-Trichlorobenzene	180	14.095	14.099	-0.004	95	57069	20.0	17.6	
S 131 1,2-Dichloroethene, Total	100				0		40.0	37.5	
S 132 Xylenes, Total	100				0		40.0	64.9	
S 133 Total BTEX	1				0		100.0	197.8	

Reagents:

GASES Li_00174	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00043	Amount Added:	20.00	Units: uL	
ACROLEIN W_00056	Amount Added:	4.00	Units: uL	
8260ISNEW_00090	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00139	Amount Added:	1.00	Units: uL	Run Reagent

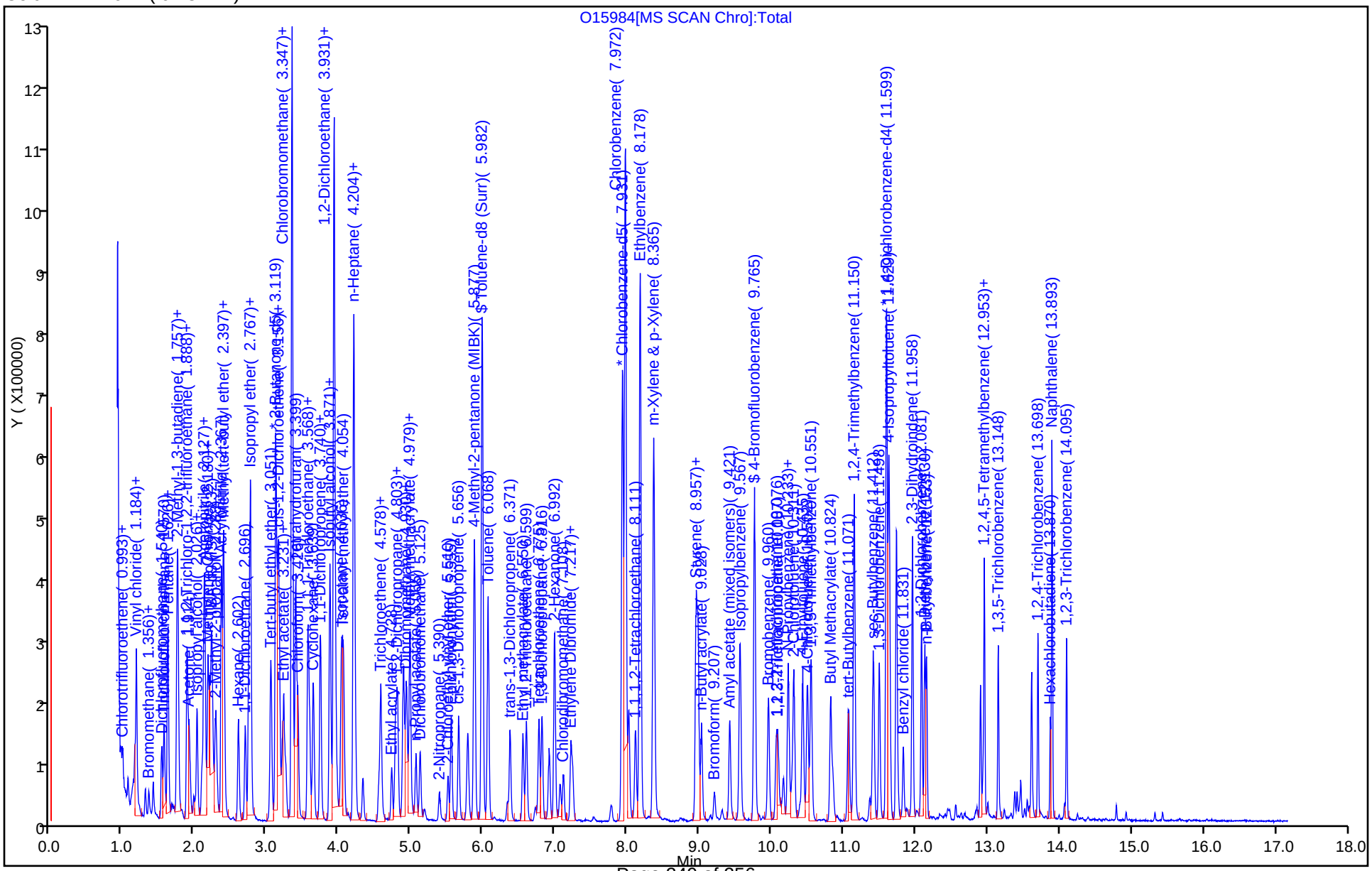
Report Date: 11-Oct-2016 00:45:57 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS12\20161007-46589.b\O15984.D

Injection Date:	07-Oct-2016 23:38:30	Instrument ID:	CVOAMS12	Operator ID:	
Lims ID:	460-121091-A-4 MSD			Worklist Smp#:	15
Client ID:	MW8S-092716				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260W_12	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Instrument ID: CVOAMS12 Start Date: 09/30/2016 15:48

Analysis Batch Number: 394051 End Date: 10/01/2016 03:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-394051/1		09/30/2016 15:48	1	O15605.D	DB-624 0.18(mm)
STD7 460-394051/2 IC		09/30/2016 16:16	1	O15606.D	DB-624 0.18(mm)
STD1 460-394051/3 IC		09/30/2016 16:44	1	O15607.D	DB-624 0.18(mm)
STD5 460-394051/4 IC		09/30/2016 17:12	1	O15608.D	DB-624 0.18(mm)
STD20 460-394051/5 ICIS		09/30/2016 17:40	1	O15609.D	DB-624 0.18(mm)
STD50 460-394051/6 IC		09/30/2016 18:07	1	O15610.D	DB-624 0.18(mm)
STD200 460-394051/7 IC		09/30/2016 18:35	1	O15611.D	DB-624 0.18(mm)
STD500 460-394051/8 IC		09/30/2016 19:03	1	O15612.D	DB-624 0.18(mm)
ZZZZZ		09/30/2016 21:22	1		DB-624 0.18(mm)
ZZZZZ		09/30/2016 21:50	1		DB-624 0.18(mm)
ICV 460-394051/15		09/30/2016 22:18	1		DB-624 0.18(mm)
ZZZZZ		09/30/2016 23:31	1		DB-624 0.18(mm)
ZZZZZ		09/30/2016 23:58	1		DB-624 0.18(mm)
ZZZZZ		10/01/2016 00:26	1		DB-624 0.18(mm)
ZZZZZ		10/01/2016 00:54	1		DB-624 0.18(mm)
ZZZZZ		10/01/2016 01:21	1		DB-624 0.18(mm)
ZZZZZ		10/01/2016 01:49	1		DB-624 0.18(mm)
ZZZZZ		10/01/2016 02:17	1		DB-624 0.18(mm)
ZZZZZ		10/01/2016 02:44	1		DB-624 0.18(mm)
ZZZZZ		10/01/2016 03:12	1		DB-624 0.18(mm)
ZZZZZ		10/01/2016 03:39	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Instrument ID: CVOAMS12 Start Date: 10/07/2016 05:27

Analysis Batch Number: 395562 End Date: 10/07/2016 16:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-395562/1		10/07/2016 05:27	1	O15945.D	DB-624 0.18(mm)
CCVIS 460-395562/2		10/07/2016 06:19	1	O15946.D	DB-624 0.18(mm)
LCS 460-395562/3		10/07/2016 06:47	1	O15947.D	DB-624 0.18(mm)
LCSD 460-395562/4		10/07/2016 07:15	1	O15948.D	DB-624 0.18(mm)
MB 460-395562/7		10/07/2016 08:38	1	O15951.D	DB-624 0.18(mm)
ZZZZZ		10/07/2016 09:06	1		DB-624 0.18(mm)
ZZZZZ		10/07/2016 09:34	1		DB-624 0.18(mm)
ZZZZZ		10/07/2016 10:01	1		DB-624 0.18(mm)
ZZZZZ		10/07/2016 10:29	1		DB-624 0.18(mm)
ZZZZZ		10/07/2016 10:57	2		DB-624 0.18(mm)
ZZZZZ		10/07/2016 11:52	1		DB-624 0.18(mm)
ZZZZZ		10/07/2016 12:20	1		DB-624 0.18(mm)
ZZZZZ		10/07/2016 12:48	1		DB-624 0.18(mm)
ZZZZZ		10/07/2016 13:43	10		DB-624 0.18(mm)
ZZZZZ		10/07/2016 14:11	10		DB-624 0.18(mm)
ZZZZZ		10/07/2016 14:38	10		DB-624 0.18(mm)
460-121166-1		10/07/2016 15:06	1	O15965.D	DB-624 0.18(mm)
460-121166-3		10/07/2016 16:01	1	O15967.D	DB-624 0.18(mm)
460-121166-4		10/07/2016 16:29	1	O15968.D	DB-624 0.18(mm)
460-121166-5		10/07/2016 16:57	1	O15969.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-121166-1

SDG No.:

Instrument ID: CVOAMS12 Start Date: 10/07/2016 17:16

Analysis Batch Number: 395751 End Date: 10/08/2016 04:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-395751/1		10/07/2016 17:16	1	O15970.D	DB-624 0.18(mm)
CCVIS 460-395751/2		10/07/2016 17:40	1	O15971.D	DB-624 0.18(mm)
LCS 460-395751/3		10/07/2016 18:08	1	O15972.D	DB-624 0.18(mm)
MB 460-395751/7		10/07/2016 19:58	1	O15976.D	DB-624 0.18(mm)
460-121166-2		10/07/2016 20:26	1	O15977.D	DB-624 0.18(mm)
ZZZZZ		10/07/2016 20:53	1		DB-624 0.18(mm)
460-121166-6		10/07/2016 21:21	1	O15979.D	DB-624 0.18(mm)
460-121166-7		10/07/2016 21:48	1	O15980.D	DB-624 0.18(mm)
ZZZZZ		10/07/2016 22:16	1		DB-624 0.18(mm)
460-121091-A-4 MS		10/07/2016 23:11	1	O15983.D	DB-624 0.18(mm)
460-121091-A-4 MSD		10/07/2016 23:38	1	O15984.D	DB-624 0.18(mm)
ZZZZZ		10/08/2016 01:01	1		DB-624 0.18(mm)
ZZZZZ		10/08/2016 01:29	1		DB-624 0.18(mm)
ZZZZZ		10/08/2016 01:56	1		DB-624 0.18(mm)
ZZZZZ		10/08/2016 02:24	1		DB-624 0.18(mm)
ZZZZZ		10/08/2016 02:52	1		DB-624 0.18(mm)
ZZZZZ		10/08/2016 03:19	1		DB-624 0.18(mm)
ZZZZZ		10/08/2016 03:47	1		DB-624 0.18(mm)
ZZZZZ		10/08/2016 04:42	1		DB-624 0.18(mm)

Shipping and Receiving Documents

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY

460-121166 Chain of Custody

Page 1 of 1

Name (for report and invoice) Bruce Manganiello	Samplers Name (Printed) N. Murray	Site/Project Identification 1192 - AGWM 9/2016
Company ECM, INC.	P. O. #	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program: NYSDEC DKQP: ☐
Address 349 Rt. 206	Analysis Turnaround Time: Standard ☑	LAB USE ONLY Project No:
City Hillsborough State NJ 08844	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	Job No: 121166
Phone 908 874 0990 Fax 908 874 0970		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of Cont.	TCL VOC + 15 TI search MIBK, 1,4-Dioxane	Sample Numbers
Trip Blank	9/26/16	-	AQ	2	X	-1
Field Blank	9/27/16	0915	↓	↓	↓	2
P7-23		0920	GW	3		3
MW-36		1215				4
MW-31		1035				5
MW-24		1130				6
MW-71	↓	1150	↓	↓	↓	7

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH Soil:

6 = Other _____, 7 = Other _____ Water: 1/2

Special Instructions _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1)	ECM INC	9/27/16 1415	1)	TA Edison 1422
Relinquished by 2)	Company	Date / Time	Received by 2)	Company
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0715)

Massachusetts (M-NJ312), North Carolina (No. 578)

#7 1.2°C

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 21166

Number of Coolers: 1 IR Gun #: 1

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.3 °C	°C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: KK Date: 7/27/16

Login Sample Receipt Checklist

Client: ECM, Inc.

Job Number: 460-121166-1

Login Number: 121166
List Number: 1
Creator: Rivera, Kenneth

List Source: TestAmerica Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2°C, IR #7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.