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PERIODIC REVIEW REPORT
GROUND WATER RECOVERY AND
TREATMENT SYSTEM MONITORING ANNUAL REPORT
JANUARY 2017 – DECEMBER 2017

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

SUBMITTED TO:

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
625 BROADWAY, BURC
ALBANY, NEW YORK 12233

PREPARED FOR:

EVONIK CORPORATION
299 JEFFERSON ROAD
PARSIPPANY, NEW JERSEY 07054

MARCH 2018

349 Route 206
Hillsborough, NJ 08844
(908) 874-0990
Fax: (908) 874-0920

4787 Merlot Drive
Viera, Florida 32955
(321) 636-5010
Fax: (321) 636-5010

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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 2017 through December 2017. 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 2017, 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 and TB-9. During site development activity, MW-40 was compromised. Evonik presented justification to abandon and decommission MW-40 (ECM e-mail to NYSDEC dated April 25,

2017). The NYSDEC approved abandonment of the monitoring well and the discontinuation of future sampling in their approval letter dated February 15, 2018. The analytical 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 April of 2017 with the results summarized within Section 5.4 of this PRR. The next sampling event will be conducted during June 2018.

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 2017 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, pending current site owner's approval, will be an Environmental Easement that will be included as an addendum to the Site Management Plan (SMP), which was submitted to the NYSDEC on March 23, 2017, under separate cover. The Environmental Easement Application is being prepared for submission to the NYSDEC.

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 20, 2017. 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 2017. 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 2017 long term ground water monitoring program entailed sampling MW-31 and MW-36 (semi-annually), PZ-23 and MW-24 (annually) and TB-9 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 20, 2017 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 2016 PRR, the NYSDEC approved the following 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, March	TCL-VOC+15 w/search MIBK, 1,4-dioxane
MW-36	Semi-Annual, March	TCL-VOC+15 w/search MIBK, 1,4-dioxane
MW-71	Semi-Annual, March	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[a]	TCL-VOC+15 w/search MIBK, 1,4-dioxane
MW-40	Abandon Well, Discontinue Sampling[b]	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 - NYSDEC September 6, 2017 2016 PRR Approval letter approved discontinue sampling of TB-9.

b – The NYSDEC approved abandonment of the monitoring well and the discontinuation of future sampling in their approval letter dated February 15, 2018.

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

5.3 OU1 MONITORING RESULTS

The 2017 sampling of the aforementioned OU1 wells were performed during April and September 2017. 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 April and September 2017 ground water monitoring events for OU1 are summarized on Tables 1 and 2 and depicted on Figure 5. The analytical data packages are included in Appendix B.

5.3.1 April 2017 Monitoring Results

Semi-annual ground water sampling was conducted on April 18, 2017. The sampling results are presented on Table 1 and depicted on Figure 5. The results of the April sampling event are presented below.

Review of the analytical results indicated that monitoring wells MW-31, MW-43, and MW-71, reported select VOCs above the NYSDEC-GWQC. The results are summarized below.

a. Four VOCs were reported in MW-31: benzene, chlorobenzene, chloroethane, and toluene. 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, with the exception of toluene. However, benzene, chlorobenzene, and chloroethane concentrations have decreased since the 2012 in-situ remediation. Toluene has not been detected above the GWQC since April 2002.

b. The results from the downgradient well, MW-36 reported VOCs as not detected above the NYSDEC GWQC during April (Table 1), consistent with previous sampling events indicating that compounds of concern reported in MW-31 and MW-71 are not migrating downgradient to MW-36.

c. The results from the downgradient well, MW-43 reported VOCs below the NYSDEC GWQC during April, with the exception of three compounds; benzene, chlorobenzene, and 1,2-dichloroethane (Table 4). Benzene and 1,2-Dichloroethane were reported marginally above their respective GWQC with chlorobenzene reported above the GWQC for the first time since January 2014. MW-43 will continue to monitored every fifth quarter and a definitive conclusion relative to the detected compounds will be reviewed.

d. The MW-71 upgradient well reported benzene and chlorobenzene at levels above the GWQC, but at levels consistent with previous sampling events (Table 5).

e. The TB-9 upgradient monitoring well reported no VOCs above either the method detection limit (MDL) or the GWQC (Table 1). The results are consistent with previous sampling events as compounds have not been detected above the NYSDEC GWQC in TB-9 since June 2012.

5.3.2 September 2017 Monitoring Results

The annual ground water monitoring event was conducted on September 20th, 2017. The September 2017 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 (benzene, chlorobenzene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, trichloroethene, and vinyl chloride) were reported above the GWQC during the September sampling event (Table 2). Trichloroethene (TCE) was reported below the GWQC. The levels reported in MW-24 were consistent with levels reported in previous sampling events (Table 6).

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 April 2017 sampling event. During 2014 through 2017 these three compounds have been the only VOCs reported in MW-31 at overall lower levels (Table 3)

with the exception of toluene in the April 2017 event. Toluene was reported a level well below the GWQC during September 2017.

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 levels consistent with 2016 concentrations (Table 5).

5.4 OU2 MONITORING RESULTS

The 2017 sampling of OU2 well MW-54 was performed during April 2017. The well was 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 April 2017 ground water monitoring event for OU2 is summarized on Table 1 and depicted on Figure 6. The analytical data package is included in Appendix B.

5.4.1 April 2017 Monitoring Results

Fifth quarter ground water sampling was conducted on April 18, 2017. The sampling results are presented on Table 1 and depicted on Figure 6. The results of the April sampling event are presented below.

Review of the analytical results indicated that monitoring well MW-54 reported tetrachloroethene (PCE) above the NYSDEC-GWQC at levels consistent with previous sampling events.

6.0 OPERATION AND MAINTENANCE PLAN COMPLIANCE REPORT

Operation and maintenance activities were not conducted during the January 2017 through December 2017 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 2017 monitoring period are summarized below.

- The site wide ground water monitoring program was conducted during April and September 2017.
- This Periodic Review Report was prepared for the period January through December 2017.

7.1 OPERABLE UNIT 1

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 2017 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 three of the five wells (TB-9, PZ-23, and MW-36) were reported at levels below or not detected above the GWQC since the inception of the revised monitoring program during 2012.

2. Four VOCs (benzene, chlorobenzene, chloroethane, and toluene) were reported in MW-31 during the April 2017 sampling event, and three VOCs (benzene, chlorobenzene, chloroethane) during the September 2017 sampling event. Benzene, chlorobenzene, and chloroethane are the only three compounds reported in MW-31 since 2013. The toluene reported during April 2017 was the first time since April 2007 that the compound had been above standard. Toluene was not detected above the standard during the September 2017 event. The concentration of benzene and chloroethane has decreased by an average of roughly 60 percent and 70 percent, respectively, during the 2017 monitoring period compared to the 2016 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 from September 2016. 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 and was below the NYSDEC GWQC in September 2017, the other VOCs (chlorobenzene, cis-1,2-dichloroethene, trans-1,2-dichloroethane, and vinyl chloride) concentrations remain consistently at low levels but have fluctuated over time. (Table 6). 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 that are above the NYSDEC GWQC (table 5) have been limited to benzene (5.3 µg/L) and chlorobenzene (69 to 84 µg/L). 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 2017 remained consistent with historical concentrations. 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. The VOC concentrations reported in the MW-43 ground water sample were limited to 1,2-Dichloroethane (2.0 µg/L), benzene (1.6 µg/L), and chlorobenzene (37 µg/L), which were marginally above the NYSDEC GWQC (Table 4). MW-43 has occasionally seen minor fluctuations in the benzene and chlorobenzene levels from inception of the monitoring program. The results from MW-43 will continue to be evaluated to determine the level of these compounds during future sampling events.

6. The VOC concentrations in TB-9 were reported as not detected above the laboratory MDL or below the NYSDEC GWQC in the April 2017 sampling event (Table 1). The 2016 PRR proposed to discontinue sampling of TB-9 if the results of the 2017 TB-9 sampling were reported below the GWQC. The NYSDEC granted approval of this proposal in their September 6, 2017 2016 PRR Approval letter. Therefore, TB-9 will be abandoned and no longer sampled.

7. During site development activity, MW-40 was compromised. Evonik presented justification to abandon and decommission MW-40 (ECM e-mail to NYSDEC dated April 25, 2017). The NYSDEC approved abandonment of the monitoring well and the discontinuation of future sampling in their approval letter dated February 15, 2018. As such, MW-40 will be properly abandoned during 2018.
8. The historical analytical results are presented in Section 5.3 of this PRR.

7.2 OPERABLE UNIT 2

The April 2017 sampling event within OU2 indicated that only PCE was reported above the GWQC within MW-54 (Table 1; Figure 6). The PCE concentration reported in MW-54 (6.0 µg/L) was consistent with the previous PCE levels although decreasing from the previous two sampling events (September 2014 and December 2015 reported at 13 µg/L and 9.5 µg/L, respectively). No other VOCs were reported at concentrations in excess of their respective NYSDEC GWQC. If the 2018 monitoring results indicate no VOCs are detected above their NYSDEC GWQC, Evonik/ECM proposes to eliminate this well from future sampling.

Based on the VOC levels reported during the monitoring period, it is proposed to continue the long-term monitoring program as presented below. Evonik/ECM is proposing to reduce the sampling frequency from semi-annual to annual for MW-31, MW-36 and MW-71 and every fifth quarter to annual for MW-43 and MW-54 to keep the monitoring program frequency on an annual basis.

Long Term Ground Water Monitoring Program Former Kay Fries Site Evonik Corporation Stony Point, New York		
Monitoring Well	***Frequency***	***Analytical Program***
Operable Unit 1		
MW-31	Annually, September	TCL-VOC+15 w/search MIBK, 1,4-dioxane
MW-36	Annually, 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	Annually, September	TCL-VOC+15 w/search MIBK, 1,4-dioxane
MW-40 TB-9	Abandon Wells, Discontinue Sampling	Approved to be Abandoned
MW-43	Annually, September	TCL-VOC+15 w/search MIBK, 1,4-dioxane
Operable Unit 2		
MW-54	Annually, September	TCL-VOC+15 w/search MIBK, 1,4-dioxane

During 2018, 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 & OU2; April 2017
Former Kay Fries Site – Evonik Corporation – Stony Point, New York
ECM Project #1192

	Operable Unit 1					Operable Unit 2	
Sample Identification	TB-9	MW-31	MW-36	MW-43	MW-71	MW-54	GWQC
Sample Date	4/18/2017	4/18/2017	4/18/2017	4/18/2017	4/18/2017	4/18/2017	(ug/L)
Laboratory Identification	460-131776-7	460-131776-5	460-131776-4	460-131776-3	460-131776-8	460-131776-6	
TCL Volatile Organics							
1,1-Dichloroethane	0.25 J	ND <0.48	ND <0.24	ND <0.24	2.1	ND <0.24	5
1,2-Dichloroethane	ND <0.25	0.53 J	ND <0.25	***2.0***	ND <0.25	ND <0.25	0.6
1,4-Dioxane	ND <8.7	ND <17	19 J	36 J	ND <8.7	ND <8.7	NA
Benzene	ND <0.090	***21***	ND <0.090	***1.6***	***5.3***	ND <0.090	1
Chlorobenzene	2.4	***180***	ND <0.24	***37***	***69***	ND <0.24	5
Chloroethane	ND <0.37	***540***	ND <0.37	ND <0.37	0.74 J	ND <0.37	5
Chloroform	ND <0.22	ND <0.44	ND <0.22	ND <0.22	ND <0.22	0.65 J	7
cis-1,2-Dichloroethene	ND <0.26	ND <0.52	ND <0.26	0.57 J	ND <0.26	ND <0.26	5
Methylene Chloride	ND <0.21	0.45 J	ND <0.21	ND <0.21	ND <0.21	ND <0.21	5
Tetrachloroethene	ND <0.12	ND <0.24	ND <0.12	ND <0.12	ND <0.12	***6.0***	5
Toluene	ND <0.25	***19***	ND <0.25	ND <0.25	ND <0.25	ND <0.25	5
Total VOC	2.65	760.98	19.0	77.17	77.14	6.65	NA
Total VOC TICs	0.0	55.0	0.0	0.0	17.0	0.0	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 2017
Former Kay Fries Site – Evonik Corporation – Stony Point, New York
ECM Project #1192

	Operable Unit 1					
Sample Identification	PZ-23	MW-24	MW-31	MW-36	MW-71	GWQC
Sample Date	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	(ug/L)
Laboratory Identification	460-141629-3	460-141629-6	460-141629-5	460-141629-4	460-141629-7	
TCL Volatile Organics						
1,1-Dichloroethane	ND <0.24	0.39 J	0.26 J	ND <0.24	0.91 J	5
1,4-Dioxane	64	ND <8.7	ND <8.7	ND <8.7	ND <8.7	NA
Benzene	ND <0.090	***3.4***	***3.3***	ND <0.090	***5.3***	1
Chlorobenzene	ND <0.24	***150***	***200***	ND <0.24	***84***	5
Chloroethane	ND <0.37	ND <0.37	***39***	ND <0.37	1.4	5
cis-1,2-Dichloroethene	ND <0.26	***30***	ND <0.26	ND <0.26	ND <0.26	5
Toluene	ND <0.25	ND <0.25	0.49 J	ND <0.25	0.27 J	5
trans-1,2-Dichloroethene	ND <0.18	***21***	ND <0.18	ND <0.18	ND <0.18	5
Trichloroethene	ND <0.22	0.81 J	ND <0.22	ND <0.22	ND <0.22	5
Vinyl Chloride	ND <0.060	***26***	ND <0.060	ND <0.060	ND <0.060	2
Total VOC	64.0	231.6	243.05	0.0	91.88	NA
Total VOC TICs	7.6	0.0	153.0	0.0	18.0	500
TCL Volatile Organics TICs						
Ethyl ether	7.6 J N	ND <100	***120***	ND <100	18 J N	100

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 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	Oct-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	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**	ND	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**	**14**	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**	**190**	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**	3.6	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	0.9	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	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	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	Apr-17	Sep-17	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	ND	5
1,1-Dichloroethane	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	ND	0.26 J	5
Benzene	**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**	**21**	**3.3**	1
Chlorobenzene	**150**	**190**	**200**	**160**	**220**	**210**	**240**	**210**	**230**	1.5	ND	**200**	**270**	**200**	**180**	**240**	**250**	**180**	**89**	**230**	**160**	**170**	**180**	**200**	5
Chloroethane	**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**	**540**	**39**	5
Toluene	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	**19**	0.49 J	5
Vinyl Chloride	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	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-43 (ug/L)
Former Kay Fries Site
Evonik Corporation, Stony Point, New York
ECM Project No. 1192

Volatile Organics	Apr-07	Oct-07	Apr-08	Apr-09	Dec-09	Jun-10	Nov-10	Apr-11	Aug-11	Jun-12	Sep-12	Dec-12	Mar-13	Sep-13	Jan-14	Mar-14	Jun-14	Sep-14	Dec-14	Mar-15	Dec-15	Apr-17	GWQC
Benzene	ND	ND	0.7	**1.1**	0.92	ND	0.36 J	0.63 J	ND	0.23 J	ND	0.33J	ND	ND	0.64 J	ND	ND	ND	0.21 J	0.20 J	ND	**1.6**	1
Chlorobenzene	ND	ND	**39**	**74**	**67**	2.4	**5.3**	**19**	0.65 J	4.3	0.78 J	**13**	ND	0.34 J	**21**	ND	ND	ND	2.0	2.9	ND	**37**	5
1,2-Dichloroethane	ND	ND	**2.5**	**3.0**	**3.0**	0.6J	**0.82 J**	**2.3**	**0.89 J**	**0.99J**	ND	**1.5**	0.38 J	ND	**2.1**	0.23 J	ND	0.35 J	**0.85 J**	0.44 J	**0.61 J**	**2.0**	0.6

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 Method Detection Limit but lower than the reporting limit.

Table 5
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	Apr-17	Sep-17	GWQC
Benzene	**13**	**19**	**15**	**11**	**12**	**11**	**7.6**	1	**13**	**4.3**	**4.3**	**5.3**	**5.3**	1
Chlorobenzene	**200**	**210**	**180**	**120**	**190**	**160**	**120**	**17**	**160**	**60**	**64**	**69**	**84**	5

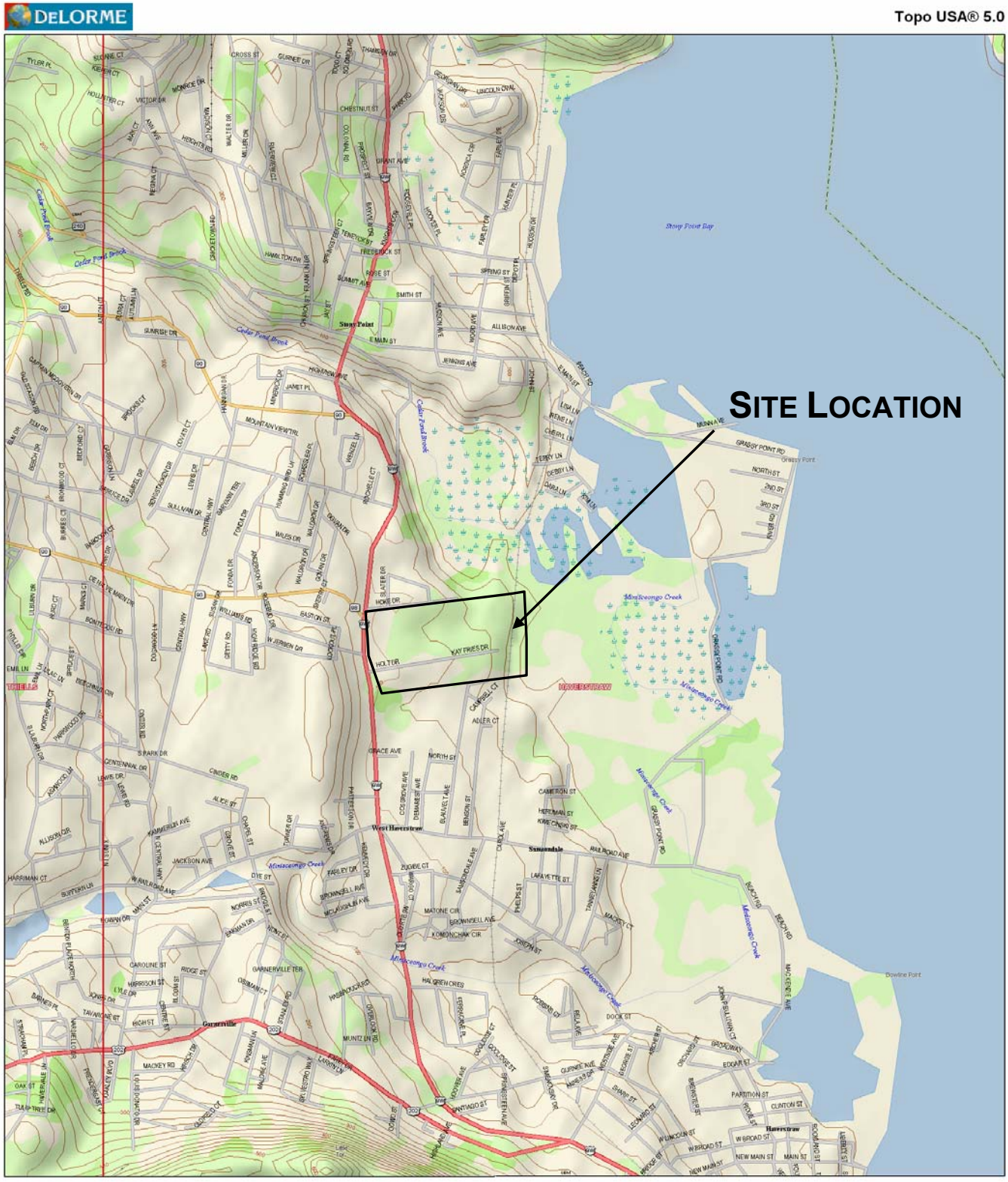
Notes:
GWQC: NYSDEC Ground Water Quality Criteria.
Bold: Compound Reported Above GWQC

Table 6
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

Volatile Organics	August 2011	August 2012	December 2012	July 2013	September 2013	March 2014	September 2014	September 2015	September 2016	September 2017	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	**3.4**	1
Chlorobenzene	**43**	**41**	**55**	**46**	**24**	**25**	**21**	**58**	**46**	**150**	5
Cis-1,2-dichloroethene	**20**	**31**	**48**	**34**	**38**	**49**	**32**	**47**	**36**	**30**	5
Trans-1,2-dichloroethene	**10**	**18**	**29**	**19**	**20**	**30**	**19**	**30**	**25**	**21**	5
Trichloroethene (TCE)	**32**	**28**	**29**	**20**	**35**	**27**	**25**	**11**	**7.3**	0.81 J	5
Vinyl chloride	**6.7**	**9.3**	**18**	**6.4**	**2.3**	**4.3**	**2.4**	**8**	**5.2**	**26**	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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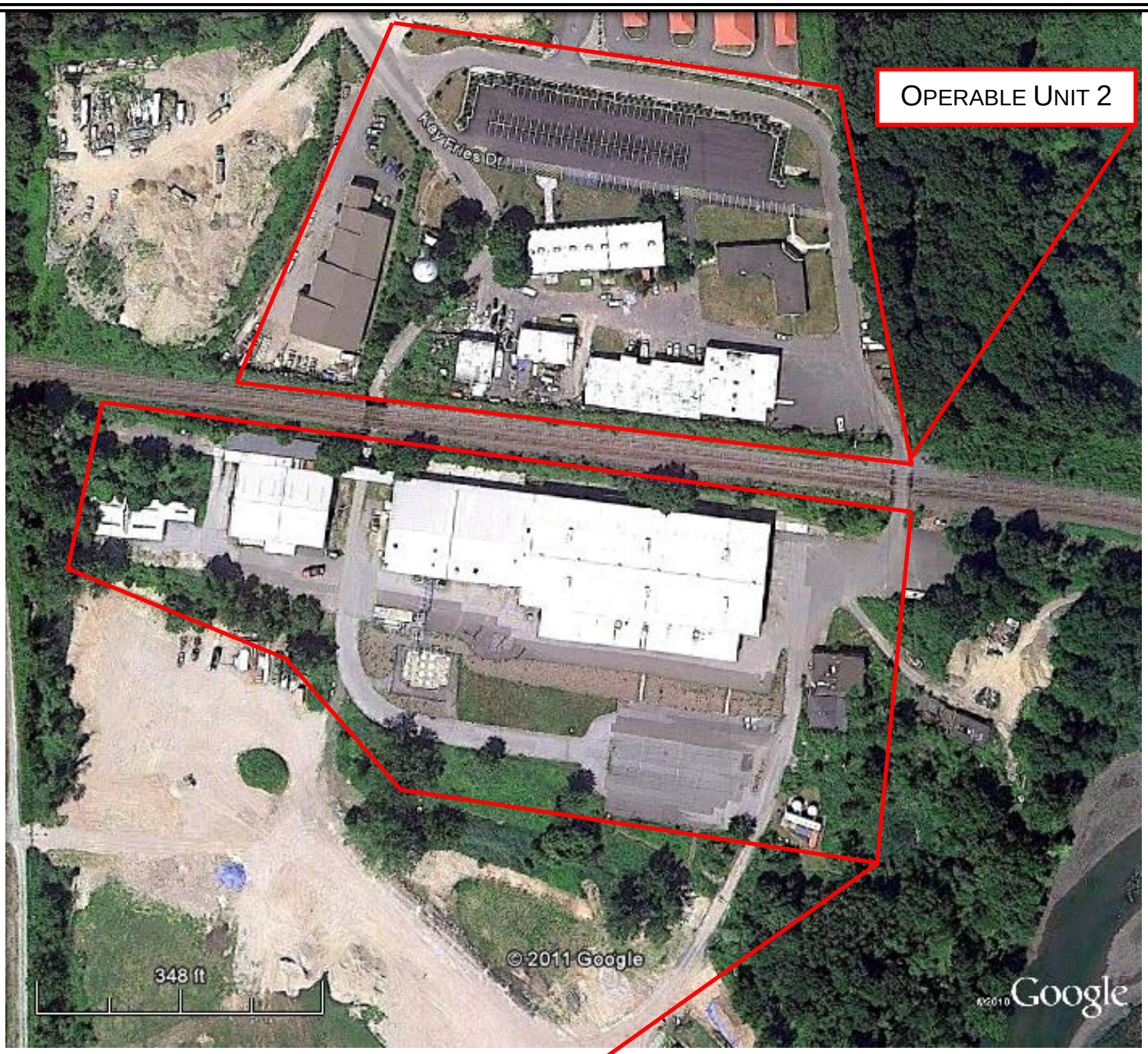
United States Department of the Interior
Geological Survey - 7.5 minute Quadrangle
Haverstraw, N.Y

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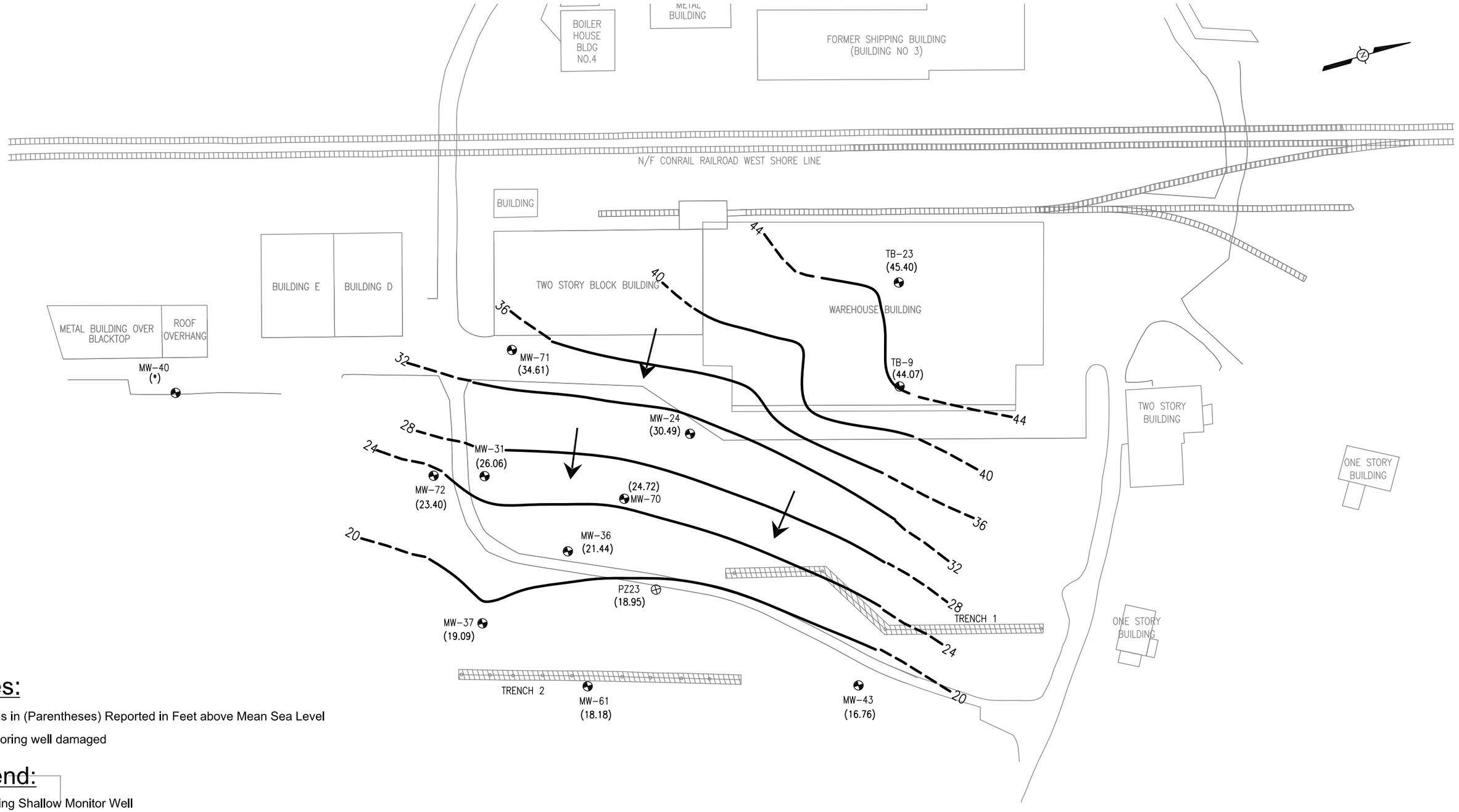
FIGURE 2
OPERABLE UNIT 1 AND 2 LOCATION MAP
FORMER KAY FRIES SITE
STONY POINT, NEW YORK

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
DATE:	PROJECT NO:	
2/2018	1192	

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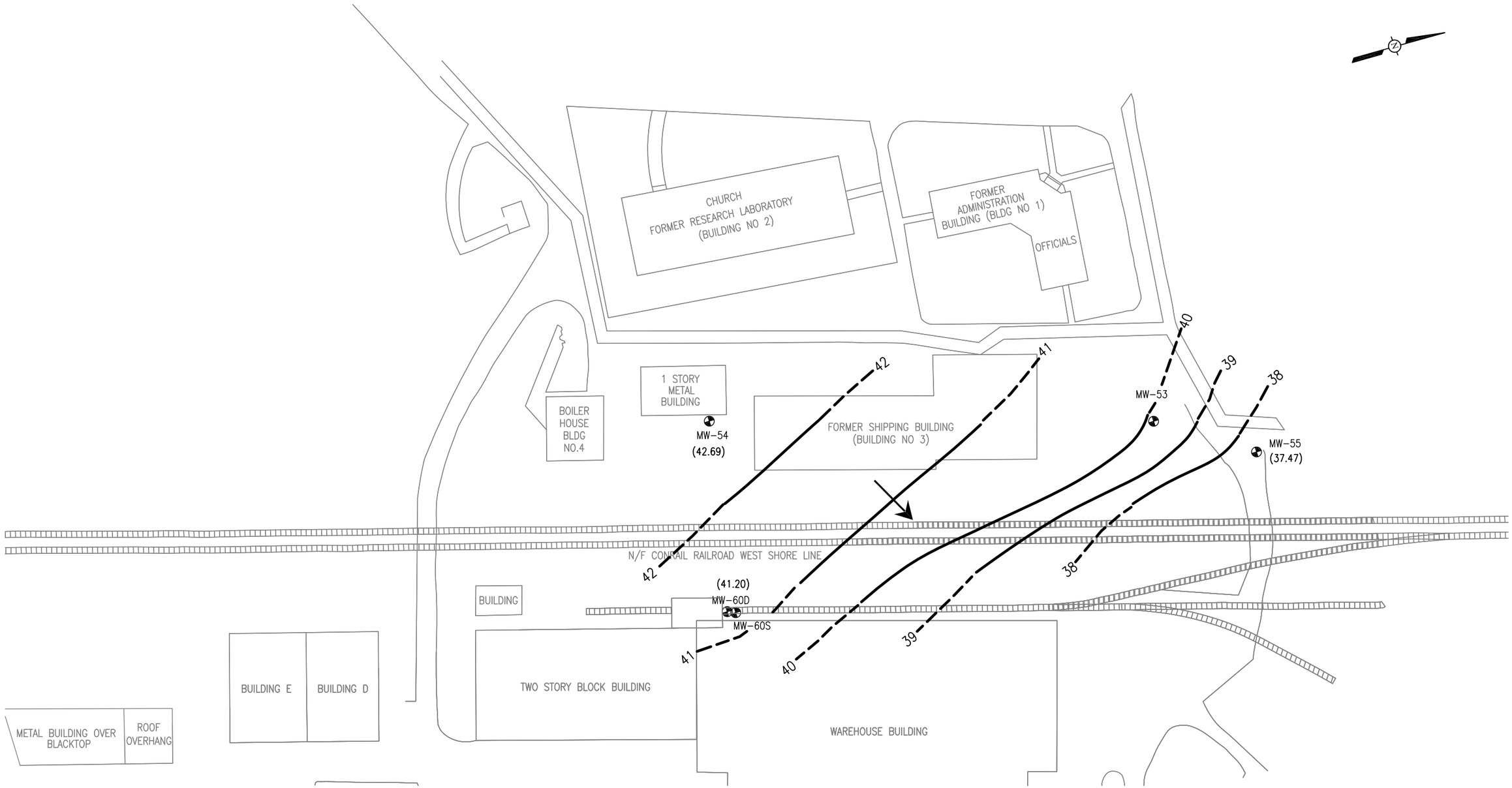
FIGURE 3
OPERABLE UNIT-1
GROUND WATER CONTOUR MAP
SEPTEMBER 2017



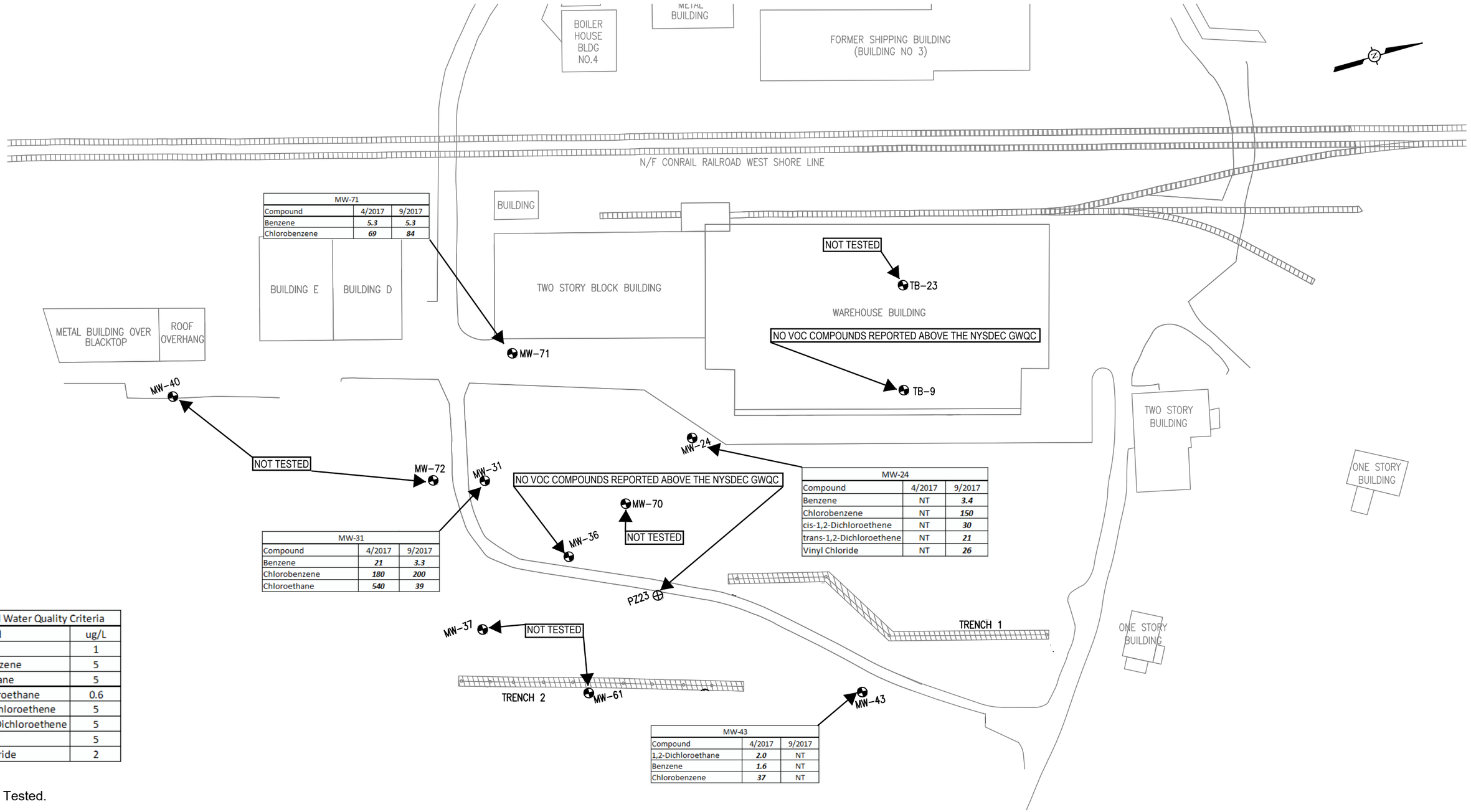
Notes:

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:	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 4 OPERABLE UNIT-2 GROUND WATER CONTOUR MAP SEPTEMBER 2017
1" = 64'	CB			
DATE:	PROJECT NO:			
2/2018	1192			



MW-71		
Compound	4/2017	9/2017
Benzene	***5.3***	***5.3***
Chlorobenzene	***69***	***84***

MW-24		
Compound	4/2017	9/2017
Benzene	NT	***3.4***
Chlorobenzene	NT	***150***
cis-1,2-Dichloroethene	NT	***30***
trans-1,2-Dichloroethene	NT	***21***
Vinyl Chloride	NT	***26***

MW-31		
Compound	4/2017	9/2017
Benzene	***21***	***3.3***
Chlorobenzene	***180***	***200***
Chloroethane	***540***	***39***

MW-43		
Compound	4/2017	9/2017
1,2-Dichloroethane	***2.0***	NT
Benzene	***1.6***	NT
Chlorobenzene	***37***	NT

Ground Water Quality Criteria	
Compound	ug/L
Benzene	1
Chlorobenzene	5
Chloroethane	5
1,2-Dichloroethane	0.6
cis-1,2-Dichloroethene	5
trans-1,2-Dichloroethene	5
Toluene	5
Vinyl Chloride	2

Notes:

NT = Not Tested.

Legend:

- Existing Shallow Monitor Well
- Existing Piezometer

SCALE:	CHECKED BY:
1" = 64'	CB
DATE:	PROJECT NO:
02/2018	-1192

Former Kay Fries Site
50 Holt Drive
Stony Point, NY

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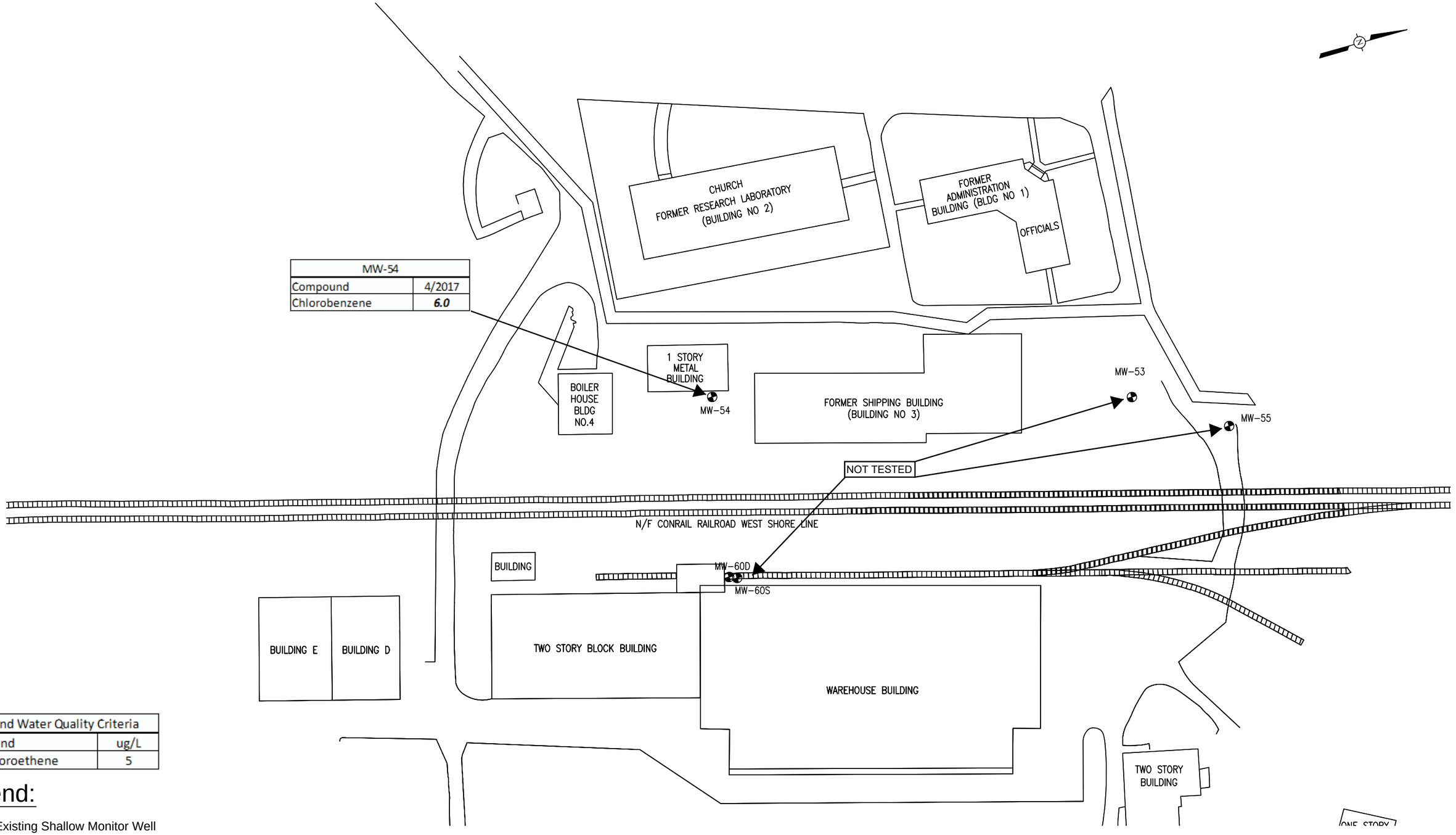
FIGURE 5
Analytical Results Summary for OU1
April and September 2017



SCALE:	CHECKED BY:
1" = 64'	CB
DATE:	PROJECT NO:
2/2018	1192

Former Kay Fries Site
50 Holt Drive
Stony Point, NY

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FIGURE 6
Analytical Results Summary for OU2
April 2017

APPENDICES

APPENDIX A

SUMMARY OF GROUND WATER LEVEL MEASUREMENTS AND SURVEY DATA

Evonik Corporation, Former Kay Fries Site, Stony Point, NY
Annual Water Level Measurements
ECM Project #1192
September 20, 2017

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	5.87	18.95	10190.24	10553.66
TB-9	47.27	3.20	44.07	10733.06	10416.77
TB-23	53.75	8.35	45.40	10751.22	10349.58
MW-24	44.63	14.14	30.49	10555.56	10423.25
MW-31	34.13	8.07	26.06	10370.44	10411.13
MW-36	22.94	1.50	21.44	10423.01	10494.34
MW-37	21.80	2.71	19.09	10333.40	10534.38
MW-40	43.13	--	--	10131.86	10268.20
MW-43	24.94	8.18	16.76	10638.58	10675.72
MW-61	20.77	2.59	18.18	10415.92	10615.94
MW-70	31.11	6.39	24.72	10421.61	10322.10
MW-71	43.71	9.10	34.61	10421.61	10322.10
MW-72	37.95	14.55	23.40	10314.62	10395.72
OU-2					
MW-53	53.31	13.35	39.96	11020.53	10189.13
MW-54	57.21	14.52	42.69	10671.28	10090.66
MW-55	53.66	16.19	37.47	11101.93	10233.91
MW-60S	50.06	8.86	41.20	10639.42	10243.82

Notes:
MW-40 damaged

APPENDIX B

ANALYTICAL DATA PACKAGES – APRIL AND SEPTEMBER 2017

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 460-131776-1

Job Description: 1192 - GWM 4/2017

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
4/30/2017 12:14 PM

Designee for
Grace Chang, Project Manager II
777 New Durham Road, Edison, NJ, 08817
(732)593-2579
grace.chang@testamericainc.com
04/30/2017

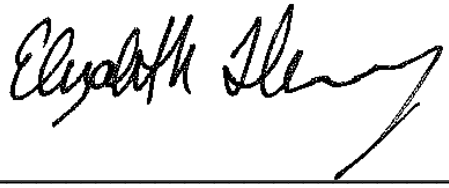
The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison 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: 460-131776-1

Job Description: 1192 - GWM 4/2017

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Approved for release.
Elizabeth J Flannery
Project Management Assistant I
4/30/2017 12:14 PM

Designee for
Grace Chang

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CASE NARRATIVE

Client: ECM, Inc.

Project: 1192 - GWM 4/2017

Report Number: 460-131776-1

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 4/18/2017 1:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2º 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 ORGANIC COMPOUNDS (GC-MS)
Samples Trip Blank (460-131776-1), Field Blank (460-131776-2), MW-43 (460-131776-3), MW-36 (460-131776-4), MW-31 (460-131776-5), MW-54 (460-131776-6), TB-9 (460-131776-7) and MW-71 (460-131776-8) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 04/28/2017.

The continuing calibration verification (CCV) analyzed in batch 460-433683 was outside the method criteria for the following analyte(s): Bromomethane and 1,1-Dichloroethene. 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 duplicate (LCSD) for analytical batch 460-433504 recovered outside control limits for the following analytes: cis-1,3-Dichloropropene, trans-1,3-Dichloropropene and Styrene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

cis-1,3-Dichloropropene, Styrene and trans-1,3-Dichloropropene failed the recovery criteria high for LCSD 460-433504/4. Refer to the QC report for details.

Sample MW-31 (460-131776-5)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: ECM, Inc.
Project/Site: 1192 - GWM 4/2017

TestAmerica Job ID: 460-131776-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-131776-1	Trip Blank	Water	04/17/17 00:00	04/18/17 13:20
460-131776-2	Field Blank	Water	04/18/17 08:05	04/18/17 13:20
460-131776-3	MW-43	Water	04/18/17 08:15	04/18/17 13:20
460-131776-4	MW-36	Water	04/18/17 08:50	04/18/17 13:20
460-131776-5	MW-31	Water	04/18/17 09:25	04/18/17 13:20
460-131776-6	MW-54	Water	04/18/17 10:40	04/18/17 13:20
460-131776-7	TB-9	Water	04/18/17 09:55	04/18/17 13:20
460-131776-8	MW-71	Water	04/18/17 11:30	04/18/17 13:20

Detection Summary

Client: ECM, Inc.
Project/Site: 1192 - GWM 4/2017

TestAmerica Job ID: 460-131776-1

Client Sample ID: Trip Blank — Lab Sample ID: 460-131776-1

No Detections.

Client Sample ID: Field Blank — Lab Sample ID: 460-131776-2

No Detections.

Client Sample ID: MW-43 — Lab Sample ID: 460-131776-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	2.0		1.0	0.25	ug/L	1		8260C	Total/NA
1,4-Dioxane	36	J	50	8.7	ug/L	1		8260C	Total/NA
Benzene	1.6		1.0	0.090	ug/L	1		8260C	Total/NA
Chlorobenzene	37		1.0	0.24	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.57	J	1.0	0.26	ug/L	1		8260C	Total/NA

Client Sample ID: MW-36 — Lab Sample ID: 460-131776-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	19	J	50	8.7	ug/L	1		8260C	Total/NA

Client Sample ID: MW-31 — Lab Sample ID: 460-131776-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.53	J	2.0	0.50	ug/L	2		8260C	Total/NA
Benzene	21		2.0	0.18	ug/L	2		8260C	Total/NA
Chlorobenzene	180		2.0	0.48	ug/L	2		8260C	Total/NA
Chloroethane	540		2.0	0.74	ug/L	2		8260C	Total/NA
Methylene Chloride	0.45	J	2.0	0.42	ug/L	2		8260C	Total/NA
Toluene	19		2.0	0.50	ug/L	2		8260C	Total/NA

Client Sample ID: MW-54 — Lab Sample ID: 460-131776-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.65	J	1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	6.0		1.0	0.12	ug/L	1		8260C	Total/NA

Client Sample ID: TB-9 — Lab Sample ID: 460-131776-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.25	J	1.0	0.24	ug/L	1		8260C	Total/NA
Chlorobenzene	2.4		1.0	0.24	ug/L	1		8260C	Total/NA

Client Sample ID: MW-71 — Lab Sample ID: 460-131776-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.1		1.0	0.24	ug/L	1		8260C	Total/NA
Benzene	5.3		1.0	0.090	ug/L	1		8260C	Total/NA
Chlorobenzene	69		1.0	0.24	ug/L	1		8260C	Total/NA
Chloroethane	0.74	J	1.0	0.37	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: ECM, Inc.
Project/Site: 1192 - GWM 4/2017

TestAmerica Job ID: 460-131776-1

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: 04/17/17 00:00
Date Received: 04/18/17 13:20

Lab Sample ID: 460-131776-1

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			04/28/17 04:28	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			04/28/17 04:28	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			04/28/17 04:28	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			04/28/17 04:28	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			04/28/17 04:28	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			04/28/17 04:28	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			04/28/17 04:28	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			04/28/17 04:28	1
2-Butanone	2.2	U	5.0	2.2	ug/L			04/28/17 04:28	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			04/28/17 04:28	1
4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63	ug/L			04/28/17 04:28	1
Acetone	1.1	U	5.0	1.1	ug/L			04/28/17 04:28	1
Benzene	0.090	U	1.0	0.090	ug/L			04/28/17 04:28	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			04/28/17 04:28	1
Bromoform	0.18	U	1.0	0.18	ug/L			04/28/17 04:28	1
Bromomethane	0.18	U	1.0	0.18	ug/L			04/28/17 04:28	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			04/28/17 04:28	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			04/28/17 04:28	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			04/28/17 04:28	1
Chloroethane	0.37	U	1.0	0.37	ug/L			04/28/17 04:28	1
Chloroform	0.22	U	1.0	0.22	ug/L			04/28/17 04:28	1
Chloromethane	0.22	U	1.0	0.22	ug/L			04/28/17 04:28	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/28/17 04:28	1
cis-1,3-Dichloropropene	0.16	U *	1.0	0.16	ug/L			04/28/17 04:28	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			04/28/17 04:28	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/28/17 04:28	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			04/28/17 04:28	1
Styrene	0.17	U *	1.0	0.17	ug/L			04/28/17 04:28	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			04/28/17 04:28	1
Toluene	0.25	U	1.0	0.25	ug/L			04/28/17 04:28	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			04/28/17 04:28	1
trans-1,3-Dichloropropene	0.19	U *	1.0	0.19	ug/L			04/28/17 04:28	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			04/28/17 04:28	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			04/28/17 04:28	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			04/28/17 04:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*04/28/17 04:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*74 - 132*		*04/28/17 04:28*	*1*
Bromofluorobenzene	*82*		*77 - 124*		*04/28/17 04:28*	*1*
Dibromofluoromethane (Surr)	*88*		*72 - 131*		*04/28/17 04:28*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/28/17 04:28*	*1*

Client Sample ID: Field Blank

Date Collected: 04/18/17 08:05
Date Received: 04/18/17 13:20

Lab Sample ID: 460-131776-2

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			04/28/17 04:54	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			04/28/17 04:54	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			04/28/17 04:54	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			04/28/17 04:54	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			04/28/17 04:54	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			04/28/17 04:54	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			04/28/17 04:54	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			04/28/17 04:54	1
2-Butanone	2.2	U	5.0	2.2	ug/L			04/28/17 04:54	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			04/28/17 04:54	1
4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63	ug/L			04/28/17 04:54	1
Acetone	1.1	U	5.0	1.1	ug/L			04/28/17 04:54	1
Benzene	0.090	U	1.0	0.090	ug/L			04/28/17 04:54	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			04/28/17 04:54	1
Bromoform	0.18	U	1.0	0.18	ug/L			04/28/17 04:54	1
Bromomethane	0.18	U	1.0	0.18	ug/L			04/28/17 04:54	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			04/28/17 04:54	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			04/28/17 04:54	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			04/28/17 04:54	1
Chloroethane	0.37	U	1.0	0.37	ug/L			04/28/17 04:54	1
Chloroform	0.22	U	1.0	0.22	ug/L			04/28/17 04:54	1
Chloromethane	0.22	U	1.0	0.22	ug/L			04/28/17 04:54	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/28/17 04:54	1
cis-1,3-Dichloropropene	0.16	U *	1.0	0.16	ug/L			04/28/17 04:54	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			04/28/17 04:54	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/28/17 04:54	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			04/28/17 04:54	1
Styrene	0.17	U *	1.0	0.17	ug/L			04/28/17 04:54	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			04/28/17 04:54	1
Toluene	0.25	U	1.0	0.25	ug/L			04/28/17 04:54	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			04/28/17 04:54	1
trans-1,3-Dichloropropene	0.19	U *	1.0	0.19	ug/L			04/28/17 04:54	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			04/28/17 04:54	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			04/28/17 04:54	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			04/28/17 04:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*04/28/17 04:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*74 - 132*		*04/28/17 04:54*	*1*
Bromofluorobenzene	*82*		*77 - 124*		*04/28/17 04:54*	*1*
Dibromofluoromethane (Surr)	*87*		*72 - 131*		*04/28/17 04:54*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/28/17 04:54*	*1*

Client Sample ID: MW-43

Date Collected: 04/18/17 08:15
Date Received: 04/18/17 13:20

Lab Sample ID: 460-131776-3

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			04/28/17 05:20	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			04/28/17 05:20	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			04/28/17 05:20	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			04/28/17 05:20	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			04/28/17 05:20	1
1,2-Dichloroethane	**2.0**		1.0	0.25	ug/L			04/28/17 05:20	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			04/28/17 05:20	1
1,4-Dioxane	**36**	**J**	50	8.7	ug/L			04/28/17 05:20	1
2-Butanone	2.2	U	5.0	2.2	ug/L			04/28/17 05:20	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			04/28/17 05:20	1
4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63	ug/L			04/28/17 05:20	1
Acetone	1.1	U	5.0	1.1	ug/L			04/28/17 05:20	1
Benzene	**1.6**		1.0	0.090	ug/L			04/28/17 05:20	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			04/28/17 05:20	1
Bromoform	0.18	U	1.0	0.18	ug/L			04/28/17 05:20	1
Bromomethane	0.18	U	1.0	0.18	ug/L			04/28/17 05:20	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			04/28/17 05:20	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			04/28/17 05:20	1
Chlorobenzene	**37**		1.0	0.24	ug/L			04/28/17 05:20	1
Chloroethane	0.37	U	1.0	0.37	ug/L			04/28/17 05:20	1
Chloroform	0.22	U	1.0	0.22	ug/L			04/28/17 05:20	1
Chloromethane	0.22	U	1.0	0.22	ug/L			04/28/17 05:20	1
cis-1,2-Dichloroethene	**0.57**	**J**	1.0	0.26	ug/L			04/28/17 05:20	1
cis-1,3-Dichloropropene	0.16	U *	1.0	0.16	ug/L			04/28/17 05:20	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			04/28/17 05:20	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/28/17 05:20	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			04/28/17 05:20	1
Styrene	0.17	U *	1.0	0.17	ug/L			04/28/17 05:20	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			04/28/17 05:20	1
Toluene	0.25	U	1.0	0.25	ug/L			04/28/17 05:20	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			04/28/17 05:20	1
trans-1,3-Dichloropropene	0.19	U *	1.0	0.19	ug/L			04/28/17 05:20	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			04/28/17 05:20	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			04/28/17 05:20	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			04/28/17 05:20	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*04/28/17 05:20*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*74 - 132*		*04/28/17 05:20*	*1*
Bromofluorobenzene	*83*		*77 - 124*		*04/28/17 05:20*	*1*
Dibromofluoromethane (Surr)	*89*		*72 - 131*		*04/28/17 05:20*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/28/17 05:20*	*1*

Client Sample ID: MW-36

Date Collected: 04/18/17 08:50
Date Received: 04/18/17 13:20

Lab Sample ID: 460-131776-4

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			04/28/17 05:46	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			04/28/17 05:46	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			04/28/17 05:46	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			04/28/17 05:46	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			04/28/17 05:46	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			04/28/17 05:46	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			04/28/17 05:46	1
1,4-Dioxane	**19**	**J**	50	8.7	ug/L			04/28/17 05:46	1
2-Butanone	2.2	U	5.0	2.2	ug/L			04/28/17 05:46	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			04/28/17 05:46	1
4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63	ug/L			04/28/17 05:46	1
Acetone	1.1	U	5.0	1.1	ug/L			04/28/17 05:46	1
Benzene	0.090	U	1.0	0.090	ug/L			04/28/17 05:46	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			04/28/17 05:46	1
Bromoform	0.18	U	1.0	0.18	ug/L			04/28/17 05:46	1
Bromomethane	0.18	U	1.0	0.18	ug/L			04/28/17 05:46	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			04/28/17 05:46	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			04/28/17 05:46	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			04/28/17 05:46	1
Chloroethane	0.37	U	1.0	0.37	ug/L			04/28/17 05:46	1
Chloroform	0.22	U	1.0	0.22	ug/L			04/28/17 05:46	1
Chloromethane	0.22	U	1.0	0.22	ug/L			04/28/17 05:46	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/28/17 05:46	1
cis-1,3-Dichloropropene	0.16	U *	1.0	0.16	ug/L			04/28/17 05:46	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			04/28/17 05:46	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/28/17 05:46	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			04/28/17 05:46	1
Styrene	0.17	U *	1.0	0.17	ug/L			04/28/17 05:46	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			04/28/17 05:46	1
Toluene	0.25	U	1.0	0.25	ug/L			04/28/17 05:46	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			04/28/17 05:46	1
trans-1,3-Dichloropropene	0.19	U *	1.0	0.19	ug/L			04/28/17 05:46	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			04/28/17 05:46	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			04/28/17 05:46	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			04/28/17 05:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*04/28/17 05:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*74 - 132*		*04/28/17 05:46*	*1*
Bromofluorobenzene	*105*		*77 - 124*		*04/28/17 05:46*	*1*
Dibromofluoromethane (Surr)	*111*		*72 - 131*		*04/28/17 05:46*	*1*
Toluene-d8 (Surr)	*119*		*80 - 120*		*04/28/17 05:46*	*1*

Client Sample ID: MW-31

Date Collected: 04/18/17 09:25
Date Received: 04/18/17 13:20

Lab Sample ID: 460-131776-5

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	0.56	U	2.0	0.56	ug/L			04/28/17 17:01	2
1,1,2,2-Tetrachloroethane	0.38	U	2.0	0.38	ug/L			04/28/17 17:01	2
1,1,2-Trichloroethane	0.16	U	2.0	0.16	ug/L			04/28/17 17:01	2
1,1-Dichloroethane	0.48	U	2.0	0.48	ug/L			04/28/17 17:01	2
1,1-Dichloroethene	0.68	U	2.0	0.68	ug/L			04/28/17 17:01	2
1,2-Dichloroethane	**0.53**	**J**	2.0	0.50	ug/L			04/28/17 17:01	2
1,2-Dichloropropane	0.36	U	2.0	0.36	ug/L			04/28/17 17:01	2
1,4-Dioxane	17	U	100	17	ug/L			04/28/17 17:01	2
2-Butanone	4.4	U	10	4.4	ug/L			04/28/17 17:01	2
2-Hexanone	1.4	U	10	1.4	ug/L			04/28/17 17:01	2
4-Methyl-2-pentanone (MIBK)	1.3	U	10	1.3	ug/L			04/28/17 17:01	2
Acetone	2.1	U	10	2.1	ug/L			04/28/17 17:01	2
Benzene	**21**		2.0	0.18	ug/L			04/28/17 17:01	2
Bromodichloromethane	0.30	U	2.0	0.30	ug/L			04/28/17 17:01	2
Bromoform	0.36	U	2.0	0.36	ug/L			04/28/17 17:01	2
Bromomethane	0.36	U	2.0	0.36	ug/L			04/28/17 17:01	2
Carbon disulfide	0.44	U	2.0	0.44	ug/L			04/28/17 17:01	2
Carbon tetrachloride	0.66	U	2.0	0.66	ug/L			04/28/17 17:01	2
Chlorobenzene	**180**		2.0	0.48	ug/L			04/28/17 17:01	2
Chloroethane	**540**		2.0	0.74	ug/L			04/28/17 17:01	2
Chloroform	0.44	U	2.0	0.44	ug/L			04/28/17 17:01	2
Chloromethane	0.44	U	2.0	0.44	ug/L			04/28/17 17:01	2
cis-1,2-Dichloroethene	0.52	U	2.0	0.52	ug/L			04/28/17 17:01	2
cis-1,3-Dichloropropene	0.32	U	2.0	0.32	ug/L			04/28/17 17:01	2
Dibromochloromethane	0.44	U	2.0	0.44	ug/L			04/28/17 17:01	2
Ethylbenzene	0.60	U	2.0	0.60	ug/L			04/28/17 17:01	2
Methylene Chloride	**0.45**	**J**	2.0	0.42	ug/L			04/28/17 17:01	2
Styrene	0.34	U	2.0	0.34	ug/L			04/28/17 17:01	2
Tetrachloroethene	0.24	U	2.0	0.24	ug/L			04/28/17 17:01	2
Toluene	**19**		2.0	0.50	ug/L			04/28/17 17:01	2
trans-1,2-Dichloroethene	0.36	U	2.0	0.36	ug/L			04/28/17 17:01	2
trans-1,3-Dichloropropene	0.38	U	2.0	0.38	ug/L			04/28/17 17:01	2
Trichloroethene	0.44	U	2.0	0.44	ug/L			04/28/17 17:01	2
Vinyl chloride	0.12	U	2.0	0.12	ug/L			04/28/17 17:01	2
Xylenes, Total	0.56	U	4.0	0.56	ug/L			04/28/17 17:01	2

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethyl ether	*40*	*J N*	*ug/L*		*1.31*	*60-29-7*		*04/28/17 17:01*	*2*
Benzene, 1-chloro-2-methyl-	*15*	*J N*	*ug/L*		*8.81*	*95-49-8*		*04/28/17 17:01*	*2*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*74 - 132*		*04/28/17 17:01*	*2*
Bromofluorobenzene	*110*		*77 - 124*		*04/28/17 17:01*	*2*
Dibromofluoromethane (Surr)	*115*		*72 - 131*		*04/28/17 17:01*	*2*
Toluene-d8 (Surr)	*120*		*80 - 120*		*04/28/17 17:01*	*2*

Client Sample ID: MW-54

Date Collected: 04/18/17 10:40
Date Received: 04/18/17 13:20

Lab Sample ID: 460-131776-6

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			04/28/17 16:09	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			04/28/17 16:09	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			04/28/17 16:09	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			04/28/17 16:09	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			04/28/17 16:09	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			04/28/17 16:09	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			04/28/17 16:09	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			04/28/17 16:09	1
2-Butanone	2.2	U	5.0	2.2	ug/L			04/28/17 16:09	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			04/28/17 16:09	1
4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63	ug/L			04/28/17 16:09	1
Acetone	1.1	U	5.0	1.1	ug/L			04/28/17 16:09	1
Benzene	0.090	U	1.0	0.090	ug/L			04/28/17 16:09	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			04/28/17 16:09	1
Bromoform	0.18	U	1.0	0.18	ug/L			04/28/17 16:09	1
Bromomethane	0.18	U	1.0	0.18	ug/L			04/28/17 16:09	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			04/28/17 16:09	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			04/28/17 16:09	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			04/28/17 16:09	1
Chloroethane	0.37	U	1.0	0.37	ug/L			04/28/17 16:09	1
Chloroform	**0.65**	**J**	1.0	0.22	ug/L			04/28/17 16:09	1
Chloromethane	0.22	U	1.0	0.22	ug/L			04/28/17 16:09	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/28/17 16:09	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			04/28/17 16:09	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			04/28/17 16:09	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/28/17 16:09	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			04/28/17 16:09	1
Styrene	0.17	U	1.0	0.17	ug/L			04/28/17 16:09	1
Tetrachloroethene	**6.0**		1.0	0.12	ug/L			04/28/17 16:09	1
Toluene	0.25	U	1.0	0.25	ug/L			04/28/17 16:09	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			04/28/17 16:09	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			04/28/17 16:09	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			04/28/17 16:09	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			04/28/17 16:09	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			04/28/17 16:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*04/28/17 16:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*74 - 132*		*04/28/17 16:09*	*1*
Bromofluorobenzene	*96*		*77 - 124*		*04/28/17 16:09*	*1*
Dibromofluoromethane (Surr)	*102*		*72 - 131*		*04/28/17 16:09*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*04/28/17 16:09*	*1*

Client Sample ID: TB-9

Date Collected: 04/18/17 09:55
Date Received: 04/18/17 13:20

Lab Sample ID: 460-131776-7

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			04/28/17 07:04	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			04/28/17 07:04	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			04/28/17 07:04	1
1,1-Dichloroethane	**0.25**	**J**	1.0	0.24	ug/L			04/28/17 07:04	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			04/28/17 07:04	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			04/28/17 07:04	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			04/28/17 07:04	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			04/28/17 07:04	1
2-Butanone	2.2	U	5.0	2.2	ug/L			04/28/17 07:04	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			04/28/17 07:04	1
4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63	ug/L			04/28/17 07:04	1
Acetone	1.1	U	5.0	1.1	ug/L			04/28/17 07:04	1
Benzene	0.090	U	1.0	0.090	ug/L			04/28/17 07:04	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			04/28/17 07:04	1
Bromoform	0.18	U	1.0	0.18	ug/L			04/28/17 07:04	1
Bromomethane	0.18	U	1.0	0.18	ug/L			04/28/17 07:04	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			04/28/17 07:04	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			04/28/17 07:04	1
Chlorobenzene	**2.4**		1.0	0.24	ug/L			04/28/17 07:04	1
Chloroethane	0.37	U	1.0	0.37	ug/L			04/28/17 07:04	1
Chloroform	0.22	U	1.0	0.22	ug/L			04/28/17 07:04	1
Chloromethane	0.22	U	1.0	0.22	ug/L			04/28/17 07:04	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/28/17 07:04	1
cis-1,3-Dichloropropene	0.16	U *	1.0	0.16	ug/L			04/28/17 07:04	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			04/28/17 07:04	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/28/17 07:04	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			04/28/17 07:04	1
Styrene	0.17	U *	1.0	0.17	ug/L			04/28/17 07:04	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			04/28/17 07:04	1
Toluene	0.25	U	1.0	0.25	ug/L			04/28/17 07:04	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			04/28/17 07:04	1
trans-1,3-Dichloropropene	0.19	U *	1.0	0.19	ug/L			04/28/17 07:04	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			04/28/17 07:04	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			04/28/17 07:04	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			04/28/17 07:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*04/28/17 07:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*74 - 132*		*04/28/17 07:04*	*1*
Bromofluorobenzene	*84*		*77 - 124*		*04/28/17 07:04*	*1*
Dibromofluoromethane (Surr)	*89*		*72 - 131*		*04/28/17 07:04*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/28/17 07:04*	*1*

Client Sample ID: MW-71

Date Collected: 04/18/17 11:30
Date Received: 04/18/17 13:20

Lab Sample ID: 460-131776-8

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			04/28/17 07:30	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			04/28/17 07:30	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			04/28/17 07:30	1
1,1-Dichloroethane	**2.1**		1.0	0.24	ug/L			04/28/17 07:30	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			04/28/17 07:30	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			04/28/17 07:30	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			04/28/17 07:30	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			04/28/17 07:30	1
2-Butanone	2.2	U	5.0	2.2	ug/L			04/28/17 07:30	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			04/28/17 07:30	1
4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63	ug/L			04/28/17 07:30	1
Acetone	1.1	U	5.0	1.1	ug/L			04/28/17 07:30	1
Benzene	**5.3**		1.0	0.090	ug/L			04/28/17 07:30	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			04/28/17 07:30	1
Bromoform	0.18	U	1.0	0.18	ug/L			04/28/17 07:30	1
Bromomethane	0.18	U	1.0	0.18	ug/L			04/28/17 07:30	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			04/28/17 07:30	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			04/28/17 07:30	1
Chlorobenzene	**69**		1.0	0.24	ug/L			04/28/17 07:30	1
Chloroethane	**0.74**	**J**	1.0	0.37	ug/L			04/28/17 07:30	1
Chloroform	0.22	U	1.0	0.22	ug/L			04/28/17 07:30	1
Chloromethane	0.22	U	1.0	0.22	ug/L			04/28/17 07:30	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/28/17 07:30	1
cis-1,3-Dichloropropene	0.16	U *	1.0	0.16	ug/L			04/28/17 07:30	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			04/28/17 07:30	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/28/17 07:30	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			04/28/17 07:30	1
Styrene	0.17	U *	1.0	0.17	ug/L			04/28/17 07:30	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			04/28/17 07:30	1
Toluene	0.25	U	1.0	0.25	ug/L			04/28/17 07:30	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			04/28/17 07:30	1
trans-1,3-Dichloropropene	0.19	U *	1.0	0.19	ug/L			04/28/17 07:30	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			04/28/17 07:30	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			04/28/17 07:30	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			04/28/17 07:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethyl ether	*17*	*J N*	*ug/L*		*1.31*	*60-29-7*		*04/28/17 07:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*74 - 132*		*04/28/17 07:30*	*1*
Bromofluorobenzene	*105*		*77 - 124*		*04/28/17 07:30*	*1*
Dibromofluoromethane (Surr)	*115*		*72 - 131*		*04/28/17 07:30*	*1*
Toluene-d8 (Surr)	*117*		*80 - 120*		*04/28/17 07:30*	*1*

Surrogate Summary

Client: ECM, Inc.
Project/Site: 1192 - GWM 4/2017

TestAmerica Job ID: 460-131776-1

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)
460-131776-1	Trip Blank	90	82	88	93
460-131776-2	Field Blank	90	82	87	93
460-131776-3	MW-43	91	83	89	96
460-131776-4	MW-36	115	105	111	119
460-131776-5	MW-31	117	110	115	120
460-131776-6	MW-54	104	96	102	108
460-131776-7	TB-9	94	84	89	97
460-131776-8	MW-71	115	105	115	117
LCS 460-433504/3	Lab Control Sample	88	85	88	95
LCS 460-433683/3	Lab Control Sample	86	83	85	92
LCSD 460-433504/4	Lab Control Sample Dup	99	93	99	105
LCSD 460-433683/4	Lab Control Sample Dup	89	87	90	97
MB 460-433504/7	Method Blank	94	82	90	96
MB 460-433683/7	Method Blank	91	84	88	94

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 460-433504/7
Matrix: Water
Analysis Batch: 433504

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			04/28/17 02:18	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			04/28/17 02:18	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			04/28/17 02:18	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			04/28/17 02:18	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			04/28/17 02:18	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			04/28/17 02:18	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			04/28/17 02:18	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			04/28/17 02:18	1
2-Butanone	2.2	U	5.0	2.2	ug/L			04/28/17 02:18	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			04/28/17 02:18	1
4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63	ug/L			04/28/17 02:18	1
Acetone	1.1	U	5.0	1.1	ug/L			04/28/17 02:18	1
Benzene	0.090	U	1.0	0.090	ug/L			04/28/17 02:18	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			04/28/17 02:18	1
Bromoform	0.18	U	1.0	0.18	ug/L			04/28/17 02:18	1
Bromomethane	0.18	U	1.0	0.18	ug/L			04/28/17 02:18	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			04/28/17 02:18	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			04/28/17 02:18	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			04/28/17 02:18	1
Chloroethane	0.37	U	1.0	0.37	ug/L			04/28/17 02:18	1
Chloroform	0.22	U	1.0	0.22	ug/L			04/28/17 02:18	1
Chloromethane	0.22	U	1.0	0.22	ug/L			04/28/17 02:18	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/28/17 02:18	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			04/28/17 02:18	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			04/28/17 02:18	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/28/17 02:18	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			04/28/17 02:18	1
Styrene	0.17	U	1.0	0.17	ug/L			04/28/17 02:18	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			04/28/17 02:18	1
Toluene	0.25	U	1.0	0.25	ug/L			04/28/17 02:18	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			04/28/17 02:18	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			04/28/17 02:18	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			04/28/17 02:18	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			04/28/17 02:18	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			04/28/17 02:18	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*04/28/17 02:18*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*74 - 132*		*04/28/17 02:18*	*1*
Bromofluorobenzene	*82*		*77 - 124*		*04/28/17 02:18*	*1*
Dibromofluoromethane (Surr)	*90*		*72 - 131*		*04/28/17 02:18*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/28/17 02:18*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-433504/3
Matrix: Water
Analysis Batch: 433504

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	19.1		ug/L		96	75 - 125
1,1,2,2-Tetrachloroethane	20.0	21.6		ug/L		108	74 - 120
1,1,2-Trichloroethane	20.0	20.9		ug/L		104	78 - 120
1,1-Dichloroethane	20.0	19.6		ug/L		98	77 - 123
1,1-Dichloroethene	20.0	16.3		ug/L		82	74 - 123
1,2-Dichloroethane	20.0	19.3		ug/L		96	76 - 121
1,2-Dichloropropane	20.0	21.3		ug/L		106	77 - 123
1,4-Dioxane	400	382		ug/L		95	10 - 150
2-Butanone	100	76.0		ug/L		76	64 - 120
2-Hexanone	100	97.1		ug/L		97	71 - 125
4-Methyl-2-pentanone (MIBK)	100	94.5		ug/L		94	78 - 124
Acetone	100	101		ug/L		101	39 - 150
Benzene	20.0	21.0		ug/L		105	77 - 121
Bromodichloromethane	20.0	19.8		ug/L		99	76 - 120
Bromoform	20.0	17.9		ug/L		90	53 - 120
Bromomethane	20.0	14.6		ug/L		73	10 - 150
Carbon disulfide	20.0	17.4		ug/L		87	69 - 133
Carbon tetrachloride	20.0	19.1		ug/L		95	70 - 132
Chlorobenzene	20.0	19.6		ug/L		98	80 - 120
Chloroethane	20.0	16.9		ug/L		84	52 - 150
Chloroform	20.0	19.8		ug/L		99	80 - 120
Chloromethane	20.0	20.6		ug/L		103	56 - 131
cis-1,2-Dichloroethene	20.0	18.7		ug/L		93	80 - 120
cis-1,3-Dichloropropene	20.0	21.7		ug/L		108	77 - 120
Dibromochloromethane	20.0	19.5		ug/L		97	73 - 120
Ethylbenzene	20.0	19.5		ug/L		98	80 - 120
Methylene Chloride	20.0	18.1		ug/L		91	77 - 123
Styrene	20.0	21.7		ug/L		109	80 - 120
Tetrachloroethene	20.0	18.3		ug/L		92	78 - 122
Toluene	20.0	20.2		ug/L		101	80 - 120
trans-1,2-Dichloroethene	20.0	16.6		ug/L		83	79 - 120
trans-1,3-Dichloropropene	20.0	22.0		ug/L		110	76 - 120
Trichloroethene	20.0	18.3		ug/L		92	77 - 120
Vinyl chloride	20.0	19.3		ug/L		96	62 - 138
Xylenes, Total	40.0	41.8		ug/L		104	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*74 - 132*
Bromofluorobenzene	*85*		*77 - 124*
Dibromofluoromethane (Surr)	*88*		*72 - 131*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: LCSD 460-433504/4
Matrix: Water
Analysis Batch: 433504

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	22.0		ug/L		110	75 - 125	14	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-433504/4
Matrix: Water
Analysis Batch: 433504

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	23.9		ug/L		119	74 - 120	10	30
1,1,2-Trichloroethane	20.0	23.7		ug/L		118	78 - 120	13	30
1,1-Dichloroethane	20.0	22.4		ug/L		112	77 - 123	13	30
1,1-Dichloroethene	20.0	19.0		ug/L		95	74 - 123	15	30
1,2-Dichloroethane	20.0	21.6		ug/L		108	76 - 121	11	30
1,2-Dichloropropane	20.0	23.9		ug/L		119	77 - 123	12	30
1,4-Dioxane	400	423		ug/L		106	10 - 150	10	30
2-Butanone	100	87.0		ug/L		87	64 - 120	14	30
2-Hexanone	100	108		ug/L		108	71 - 125	10	30
4-Methyl-2-pentanone (MIBK)	100	103		ug/L		103	78 - 124	9	30
Acetone	100	107		ug/L		107	39 - 150	6	30
Benzene	20.0	23.8		ug/L		119	77 - 121	12	30
Bromodichloromethane	20.0	22.3		ug/L		112	76 - 120	12	30
Bromoform	20.0	20.1		ug/L		101	53 - 120	12	30
Bromomethane	20.0	17.2		ug/L		86	10 - 150	16	30
Carbon disulfide	20.0	20.5		ug/L		102	69 - 133	16	30
Carbon tetrachloride	20.0	22.4		ug/L		112	70 - 132	16	30
Chlorobenzene	20.0	21.9		ug/L		110	80 - 120	11	30
Chloroethane	20.0	19.8		ug/L		99	52 - 150	16	30
Chloroform	20.0	22.6		ug/L		113	80 - 120	13	30
Chloromethane	20.0	23.4		ug/L		117	56 - 131	13	30
cis-1,2-Dichloroethene	20.0	21.3		ug/L		106	80 - 120	13	30
cis-1,3-Dichloropropene	20.0	24.5	*	ug/L		123	77 - 120	12	30
Dibromochloromethane	20.0	21.5		ug/L		107	73 - 120	10	30
Ethylbenzene	20.0	22.5		ug/L		112	80 - 120	14	30
Methylene Chloride	20.0	20.4		ug/L		102	77 - 123	12	30
Styrene	20.0	24.3	*	ug/L		122	80 - 120	11	30
Tetrachloroethene	20.0	20.6		ug/L		103	78 - 122	12	30
Toluene	20.0	22.7		ug/L		114	80 - 120	12	30
trans-1,2-Dichloroethene	20.0	19.0		ug/L		95	79 - 120	14	30
trans-1,3-Dichloropropene	20.0	24.8	*	ug/L		124	76 - 120	12	30
Trichloroethene	20.0	20.8		ug/L		104	77 - 120	13	30
Vinyl chloride	20.0	22.6		ug/L		113	62 - 138	16	30
Xylenes, Total	40.0	47.3		ug/L		118	80 - 120	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*74 - 132*
Bromofluorobenzene	*93*		*77 - 124*
Dibromofluoromethane (Surr)	*99*		*72 - 131*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: MB 460-433683/7
Matrix: Water
Analysis Batch: 433683

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			04/28/17 15:17	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			04/28/17 15:17	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-433683/7
Matrix: Water
Analysis Batch: 433683

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			04/28/17 15:17	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			04/28/17 15:17	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			04/28/17 15:17	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			04/28/17 15:17	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			04/28/17 15:17	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			04/28/17 15:17	1
2-Butanone	2.2	U	5.0	2.2	ug/L			04/28/17 15:17	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			04/28/17 15:17	1
4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63	ug/L			04/28/17 15:17	1
Acetone	1.1	U	5.0	1.1	ug/L			04/28/17 15:17	1
Benzene	0.090	U	1.0	0.090	ug/L			04/28/17 15:17	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			04/28/17 15:17	1
Bromoform	0.18	U	1.0	0.18	ug/L			04/28/17 15:17	1
Bromomethane	0.18	U	1.0	0.18	ug/L			04/28/17 15:17	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			04/28/17 15:17	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			04/28/17 15:17	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			04/28/17 15:17	1
Chloroethane	0.37	U	1.0	0.37	ug/L			04/28/17 15:17	1
Chloroform	0.22	U	1.0	0.22	ug/L			04/28/17 15:17	1
Chloromethane	0.22	U	1.0	0.22	ug/L			04/28/17 15:17	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/28/17 15:17	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			04/28/17 15:17	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			04/28/17 15:17	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/28/17 15:17	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			04/28/17 15:17	1
Styrene	0.17	U	1.0	0.17	ug/L			04/28/17 15:17	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			04/28/17 15:17	1
Toluene	0.25	U	1.0	0.25	ug/L			04/28/17 15:17	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			04/28/17 15:17	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			04/28/17 15:17	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			04/28/17 15:17	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			04/28/17 15:17	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			04/28/17 15:17	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*04/28/17 15:17*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*74 - 132*		*04/28/17 15:17*	*1*
Bromofluorobenzene	*84*		*77 - 124*		*04/28/17 15:17*	*1*
Dibromofluoromethane (Surr)	*88*		*72 - 131*		*04/28/17 15:17*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*04/28/17 15:17*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-433683/3
Matrix: Water
Analysis Batch: 433683

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	19.0		ug/L		95	75 - 125
1,1,2,2-Tetrachloroethane	20.0	20.7		ug/L		103	74 - 120
1,1,2-Trichloroethane	20.0	20.9		ug/L		105	78 - 120
1,1-Dichloroethane	20.0	19.1		ug/L		95	77 - 123
1,1-Dichloroethene	20.0	15.9		ug/L		79	74 - 123
1,2-Dichloroethane	20.0	18.7		ug/L		93	76 - 121
1,2-Dichloropropane	20.0	20.9		ug/L		105	77 - 123
1,4-Dioxane	400	361		ug/L		90	10 - 150
2-Butanone	100	76.3		ug/L		76	64 - 120
2-Hexanone	100	95.0		ug/L		95	71 - 125
4-Methyl-2-pentanone (MIBK)	100	91.8		ug/L		92	78 - 124
Acetone	100	94.9		ug/L		95	39 - 150
Benzene	20.0	20.7		ug/L		104	77 - 121
Bromodichloromethane	20.0	19.3		ug/L		96	76 - 120
Bromoform	20.0	17.5		ug/L		87	53 - 120
Bromomethane	20.0	9.40		ug/L		47	10 - 150
Carbon disulfide	20.0	17.4		ug/L		87	69 - 133
Carbon tetrachloride	20.0	19.0		ug/L		95	70 - 132
Chlorobenzene	20.0	19.4		ug/L		97	80 - 120
Chloroethane	20.0	14.2		ug/L		71	52 - 150
Chloroform	20.0	19.1		ug/L		96	80 - 120
Chloromethane	20.0	20.2		ug/L		101	56 - 131
cis-1,2-Dichloroethene	20.0	18.3		ug/L		92	80 - 120
cis-1,3-Dichloropropene	20.0	21.2		ug/L		106	77 - 120
Dibromochloromethane	20.0	18.9		ug/L		94	73 - 120
Ethylbenzene	20.0	19.3		ug/L		97	80 - 120
Methylene Chloride	20.0	17.7		ug/L		88	77 - 123
Styrene	20.0	21.4		ug/L		107	80 - 120
Tetrachloroethene	20.0	18.2		ug/L		91	78 - 122
Toluene	20.0	19.7		ug/L		99	80 - 120
trans-1,2-Dichloroethene	20.0	16.3		ug/L		82	79 - 120
trans-1,3-Dichloropropene	20.0	21.3		ug/L		107	76 - 120
Trichloroethene	20.0	17.8		ug/L		89	77 - 120
Vinyl chloride	20.0	19.4		ug/L		97	62 - 138
Xylenes, Total	40.0	40.5		ug/L		101	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*74 - 132*
Bromofluorobenzene	*83*		*77 - 124*
Dibromofluoromethane (Surr)	*85*		*72 - 131*
Toluene-d8 (Surr)	*92*		*80 - 120*

Lab Sample ID: LCSD 460-433683/4
Matrix: Water
Analysis Batch: 433683

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	18.4		ug/L		92	75 - 125	3	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-433683/4
Matrix: Water
Analysis Batch: 433683

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	20.2		ug/L		101	74 - 120	2	30
1,1,2-Trichloroethane			20.0	19.8		ug/L		99	78 - 120	6	30
1,1-Dichloroethane			20.0	18.5		ug/L		92	77 - 123	3	30
1,1-Dichloroethene			20.0	15.2		ug/L		76	74 - 123	4	30
1,2-Dichloroethane			20.0	17.9		ug/L		90	76 - 121	4	30
1,2-Dichloropropane			20.0	20.1		ug/L		101	77 - 123	4	30
1,4-Dioxane			400	352		ug/L		88	10 - 150	3	30
2-Butanone			100	71.1		ug/L		71	64 - 120	7	30
2-Hexanone			100	90.9		ug/L		91	71 - 125	4	30
4-Methyl-2-pentanone (MIBK)			100	88.1		ug/L		88	78 - 124	4	30
Acetone			100	94.8		ug/L		95	39 - 150	0	30
Benzene			20.0	19.6		ug/L		98	77 - 121	5	30
Bromodichloromethane			20.0	18.6		ug/L		93	76 - 120	4	30
Bromoform			20.0	16.6		ug/L		83	53 - 120	5	30
Bromomethane			20.0	11.0		ug/L		55	10 - 150	16	30
Carbon disulfide			20.0	16.8		ug/L		84	69 - 133	4	30
Carbon tetrachloride			20.0	18.1		ug/L		90	70 - 132	5	30
Chlorobenzene			20.0	18.7		ug/L		93	80 - 120	4	30
Chloroethane			20.0	15.5		ug/L		77	52 - 150	8	30
Chloroform			20.0	18.4		ug/L		92	80 - 120	4	30
Chloromethane			20.0	21.8		ug/L		109	56 - 131	8	30
cis-1,2-Dichloroethene			20.0	17.4		ug/L		87	80 - 120	5	30
cis-1,3-Dichloropropene			20.0	20.3		ug/L		101	77 - 120	4	30
Dibromochloromethane			20.0	18.1		ug/L		90	73 - 120	4	30
Ethylbenzene			20.0	18.6		ug/L		93	80 - 120	4	30
Methylene Chloride			20.0	17.3		ug/L		86	77 - 123	2	30
Styrene			20.0	20.4		ug/L		102	80 - 120	5	30
Tetrachloroethene			20.0	17.4		ug/L		87	78 - 122	4	30
Toluene			20.0	19.0		ug/L		95	80 - 120	4	30
trans-1,2-Dichloroethene			20.0	15.7		ug/L		79	79 - 120	4	30
trans-1,3-Dichloropropene			20.0	20.4		ug/L		102	76 - 120	5	30
Trichloroethene			20.0	17.2		ug/L		86	77 - 120	3	30
Vinyl chloride			20.0	21.0		ug/L		105	62 - 138	8	30
Xylenes, Total			40.0	39.3		ug/L		98	80 - 120	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*74 - 132*
Bromofluorobenzene	*87*		*77 - 124*
Dibromofluoromethane (Surr)	*90*		*72 - 131*
Toluene-d8 (Surr)	*97*		*80 - 120*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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)

GC/MS VOA

Analysis Batch: 433504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-131776-1	Trip Blank	Total/NA	Water	8260C	
460-131776-2	Field Blank	Total/NA	Water	8260C	
460-131776-3	MW-43	Total/NA	Water	8260C	
460-131776-4	MW-36	Total/NA	Water	8260C	
460-131776-7	TB-9	Total/NA	Water	8260C	
460-131776-8	MW-71	Total/NA	Water	8260C	
MB 460-433504/7	Method Blank	Total/NA	Water	8260C	
LCS 460-433504/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-433504/4	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 433683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-131776-5	MW-31	Total/NA	Water	8260C	
460-131776-6	MW-54	Total/NA	Water	8260C	
MB 460-433683/7	Method Blank	Total/NA	Water	8260C	
LCS 460-433683/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-433683/4	Lab Control Sample Dup	Total/NA	Water	8260C	

Client Sample ID: Trip Blank
Lab Sample ID: 460-131776-1
Date Collected: 04/17/17 00:00
Matrix: Water
Date Received: 04/18/17 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	433504	04/28/17 04:28	KLB	TAL EDI

Client Sample ID: Field Blank
Lab Sample ID: 460-131776-2
Date Collected: 04/18/17 08:05
Matrix: Water
Date Received: 04/18/17 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	433504	04/28/17 04:54	KLB	TAL EDI

Client Sample ID: MW-43
Lab Sample ID: 460-131776-3
Date Collected: 04/18/17 08:15
Matrix: Water
Date Received: 04/18/17 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	433504	04/28/17 05:20	KLB	TAL EDI

Client Sample ID: MW-36
Lab Sample ID: 460-131776-4
Date Collected: 04/18/17 08:50
Matrix: Water
Date Received: 04/18/17 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	433504	04/28/17 05:46	KLB	TAL EDI

Client Sample ID: MW-31
Lab Sample ID: 460-131776-5
Date Collected: 04/18/17 09:25
Matrix: Water
Date Received: 04/18/17 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	433683	04/28/17 17:01	EMM	TAL EDI

Client Sample ID: MW-54
Lab Sample ID: 460-131776-6
Date Collected: 04/18/17 10:40
Matrix: Water
Date Received: 04/18/17 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	433683	04/28/17 16:09	EMM	TAL EDI

Lab Chronicle

Client: ECM, Inc.
Project/Site: 1192 - GWM 4/2017

TestAmerica Job ID: 460-131776-1

Client Sample ID: TB-9
Date Collected: 04/18/17 09:55
Date Received: 04/18/17 13:20

Lab Sample ID: 460-131776-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	433504	04/28/17 07:04	KLB	TAL EDI

Client Sample ID: MW-71
Date Collected: 04/18/17 11:30
Date Received: 04/18/17 13:20

Lab Sample ID: 460-131776-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	433504	04/28/17 07:30	KLB	TAL EDI

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: ECM, Inc.
Project/Site: 1192 - GWM 4/2017

TestAmerica Job ID: 460-131776-1

Laboratory: TestAmerica Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New Jersey	NELAP	2	12028	06-30-17
New York	NELAP	2	11452	04-01-18
Pennsylvania	NELAP	3	68-00522	02-28-18

The following analytes are included in this report, but accreditation/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.: 460-131776-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-VMS ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
Trip Blank	460-131776-1	88	90	93	82
Field Blank	460-131776-2	87	90	93	82
MW-43	460-131776-3	89	91	96	83
MW-36	460-131776-4	111	115	119	105
MW-31	460-131776-5	115	117	120	110
MW-54	460-131776-6	102	104	108	96
TB-9	460-131776-7	89	94	97	84
MW-71	460-131776-8	115	115	117	105
	MB 460-433504/7	90	94	96	82
	MB 460-433683/7	88	91	94	84
	LCS 460-433504/3	88	88	95	85
	LCS 460-433683/3	85	86	92	83
	LCSD 460-433504/4	99	99	105	93
	LCSD 460-433683/4	90	89	97	87

	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.: 460-131776-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E70082.D

Lab ID: LCS 460-433504/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	19.1	96	75-125	
1,1,2,2-Tetrachloroethane	20.0	21.6	108	74-120	
1,1,2-Trichloroethane	20.0	20.9	104	78-120	
1,1-Dichloroethane	20.0	19.6	98	77-123	
1,1-Dichloroethene	20.0	16.3	82	74-123	
1,2-Dichloroethane	20.0	19.3	96	76-121	
1,2-Dichloropropane	20.0	21.3	106	77-123	
1,4-Dioxane	400	382	95	10-150	
2-Butanone	100	76.0	76	64-120	
2-Hexanone	100	97.1	97	71-125	
4-Methyl-2-pentanone (MIBK)	100	94.5	94	78-124	
Acetone	100	101	101	39-150	
Benzene	20.0	21.0	105	77-121	
Bromodichloromethane	20.0	19.8	99	76-120	
Bromoform	20.0	17.9	90	53-120	
Bromomethane	20.0	14.6	73	10-150	
Carbon disulfide	20.0	17.4	87	69-133	
Carbon tetrachloride	20.0	19.1	95	70-132	
Chlorobenzene	20.0	19.6	98	80-120	
Chloroethane	20.0	16.9	84	52-150	
Chloroform	20.0	19.8	99	80-120	
Chloromethane	20.0	20.6	103	56-131	
cis-1,2-Dichloroethene	20.0	18.7	93	80-120	
cis-1,3-Dichloropropene	20.0	21.7	108	77-120	
Dibromochloromethane	20.0	19.5	97	73-120	
Ethylbenzene	20.0	19.5	98	80-120	
Methylene Chloride	20.0	18.1	91	77-123	
Styrene	20.0	21.7	109	80-120	
Tetrachloroethene	20.0	18.3	92	78-122	
Toluene	20.0	20.2	101	80-120	
trans-1,2-Dichloroethene	20.0	16.6	83	79-120	
trans-1,3-Dichloropropene	20.0	22.0	110	76-120	
Trichloroethene	20.0	18.3	92	77-120	
Vinyl chloride	20.0	19.3	96	62-138	
Xylenes, Total	40.0	41.8	104	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.: 460-131776-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E70112.D

Lab ID: LCS 460-433683/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	19.0	95	75-125	
1,1,2,2-Tetrachloroethane	20.0	20.7	103	74-120	
1,1,2-Trichloroethane	20.0	20.9	105	78-120	
1,1-Dichloroethane	20.0	19.1	95	77-123	
1,1-Dichloroethene	20.0	15.9	79	74-123	
1,2-Dichloroethane	20.0	18.7	93	76-121	
1,2-Dichloropropane	20.0	20.9	105	77-123	
1,4-Dioxane	400	361	90	10-150	
2-Butanone	100	76.3	76	64-120	
2-Hexanone	100	95.0	95	71-125	
4-Methyl-2-pentanone (MIBK)	100	91.8	92	78-124	
Acetone	100	94.9	95	39-150	
Benzene	20.0	20.7	104	77-121	
Bromodichloromethane	20.0	19.3	96	76-120	
Bromoform	20.0	17.5	87	53-120	
Bromomethane	20.0	9.40	47	10-150	
Carbon disulfide	20.0	17.4	87	69-133	
Carbon tetrachloride	20.0	19.0	95	70-132	
Chlorobenzene	20.0	19.4	97	80-120	
Chloroethane	20.0	14.2	71	52-150	
Chloroform	20.0	19.1	96	80-120	
Chloromethane	20.0	20.2	101	56-131	
cis-1,2-Dichloroethene	20.0	18.3	92	80-120	
cis-1,3-Dichloropropene	20.0	21.2	106	77-120	
Dibromochloromethane	20.0	18.9	94	73-120	
Ethylbenzene	20.0	19.3	97	80-120	
Methylene Chloride	20.0	17.7	88	77-123	
Styrene	20.0	21.4	107	80-120	
Tetrachloroethene	20.0	18.2	91	78-122	
Toluene	20.0	19.7	99	80-120	
trans-1,2-Dichloroethene	20.0	16.3	82	79-120	
trans-1,3-Dichloropropene	20.0	21.3	107	76-120	
Trichloroethene	20.0	17.8	89	77-120	
Vinyl chloride	20.0	19.4	97	62-138	
Xylenes, Total	40.0	40.5	101	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.: 460-131776-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E70083.D

Lab ID: LCSD 460-433504/4 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	22.0	110	14	30	75-125	
1,1,2,2-Tetrachloroethane	20.0	23.9	119	10	30	74-120	
1,1,2-Trichloroethane	20.0	23.7	118	13	30	78-120	
1,1-Dichloroethane	20.0	22.4	112	13	30	77-123	
1,1-Dichloroethene	20.0	19.0	95	15	30	74-123	
1,2-Dichloroethane	20.0	21.6	108	11	30	76-121	
1,2-Dichloropropane	20.0	23.9	119	12	30	77-123	
1,4-Dioxane	400	423	106	10	30	10-150	
2-Butanone	100	87.0	87	14	30	64-120	
2-Hexanone	100	108	108	10	30	71-125	
4-Methyl-2-pentanone (MIBK)	100	103	103	9	30	78-124	
Acetone	100	107	107	6	30	39-150	
Benzene	20.0	23.8	119	12	30	77-121	
Bromodichloromethane	20.0	22.3	112	12	30	76-120	
Bromoform	20.0	20.1	101	12	30	53-120	
Bromomethane	20.0	17.2	86	16	30	10-150	
Carbon disulfide	20.0	20.5	102	16	30	69-133	
Carbon tetrachloride	20.0	22.4	112	16	30	70-132	
Chlorobenzene	20.0	21.9	110	11	30	80-120	
Chloroethane	20.0	19.8	99	16	30	52-150	
Chloroform	20.0	22.6	113	13	30	80-120	
Chloromethane	20.0	23.4	117	13	30	56-131	
cis-1,2-Dichloroethene	20.0	21.3	106	13	30	80-120	
cis-1,3-Dichloropropene	20.0	24.5	123	12	30	77-120	*
Dibromochloromethane	20.0	21.5	107	10	30	73-120	
Ethylbenzene	20.0	22.5	112	14	30	80-120	
Methylene Chloride	20.0	20.4	102	12	30	77-123	
Styrene	20.0	24.3	122	11	30	80-120	*
Tetrachloroethene	20.0	20.6	103	12	30	78-122	
Toluene	20.0	22.7	114	12	30	80-120	
trans-1,2-Dichloroethene	20.0	19.0	95	14	30	79-120	
trans-1,3-Dichloropropene	20.0	24.8	124	12	30	76-120	*
Trichloroethene	20.0	20.8	104	13	30	77-120	
Vinyl chloride	20.0	22.6	113	16	30	62-138	
Xylenes, Total	40.0	47.3	118	12	30	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.: 460-131776-1

SDG No.:

Matrix: Water Level: Low Lab File ID: E70113.D

Lab ID: LCSD 460-433683/4 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	18.4	92	3	30	75-125	
1,1,2,2-Tetrachloroethane	20.0	20.2	101	2	30	74-120	
1,1,2-Trichloroethane	20.0	19.8	99	6	30	78-120	
1,1-Dichloroethane	20.0	18.5	92	3	30	77-123	
1,1-Dichloroethene	20.0	15.2	76	4	30	74-123	
1,2-Dichloroethane	20.0	17.9	90	4	30	76-121	
1,2-Dichloropropane	20.0	20.1	101	4	30	77-123	
1,4-Dioxane	400	352	88	3	30	10-150	
2-Butanone	100	71.1	71	7	30	64-120	
2-Hexanone	100	90.9	91	4	30	71-125	
4-Methyl-2-pentanone (MIBK)	100	88.1	88	4	30	78-124	
Acetone	100	94.8	95	0	30	39-150	
Benzene	20.0	19.6	98	5	30	77-121	
Bromodichloromethane	20.0	18.6	93	4	30	76-120	
Bromoform	20.0	16.6	83	5	30	53-120	
Bromomethane	20.0	11.0	55	16	30	10-150	
Carbon disulfide	20.0	16.8	84	4	30	69-133	
Carbon tetrachloride	20.0	18.1	90	5	30	70-132	
Chlorobenzene	20.0	18.7	93	4	30	80-120	
Chloroethane	20.0	15.5	77	8	30	52-150	
Chloroform	20.0	18.4	92	4	30	80-120	
Chloromethane	20.0	21.8	109	8	30	56-131	
cis-1,2-Dichloroethene	20.0	17.4	87	5	30	80-120	
cis-1,3-Dichloropropene	20.0	20.3	101	4	30	77-120	
Dibromochloromethane	20.0	18.1	90	4	30	73-120	
Ethylbenzene	20.0	18.6	93	4	30	80-120	
Methylene Chloride	20.0	17.3	86	2	30	77-123	
Styrene	20.0	20.4	102	5	30	80-120	
Tetrachloroethene	20.0	17.4	87	4	30	78-122	
Toluene	20.0	19.0	95	4	30	80-120	
trans-1,2-Dichloroethene	20.0	15.7	79	4	30	79-120	
trans-1,3-Dichloropropene	20.0	20.4	102	5	30	76-120	
Trichloroethene	20.0	17.2	86	3	30	77-120	
Vinyl chloride	20.0	21.0	105	8	30	62-138	
Xylenes, Total	40.0	39.3	98	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.: 460-131776-1

SDG No.:

Lab File ID: E70086.D Lab Sample ID: MB 460-433504/7

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

Instrument ID: CVOAMS5 Date Analyzed: 04/28/2017 02:18

GC Column: Rtx-VMS ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-433504/3	E70082.D	04/28/2017 00:34
	LCSD 460-433504/4	E70083.D	04/28/2017 01:00
Trip Blank	460-131776-1	E70091.D	04/28/2017 04:28
Field Blank	460-131776-2	E70092.D	04/28/2017 04:54
MW-43	460-131776-3	E70093.D	04/28/2017 05:20
MW-36	460-131776-4	E70094.D	04/28/2017 05:46
TB-9	460-131776-7	E70097.D	04/28/2017 07:04
MW-71	460-131776-8	E70098.D	04/28/2017 07:30

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Lab File ID: E70116.D Lab Sample ID: MB 460-433683/7

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

Instrument ID: CVOAMS5 Date Analyzed: 04/28/2017 15:17

GC Column: Rtx-VMS ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-433683/3	E70112.D	04/28/2017 13:33
	LCSD 460-433683/4	E70113.D	04/28/2017 13:59
MW-54	460-131776-6	E70118.D	04/28/2017 16:09
MW-31	460-131776-5	E70120.D	04/28/2017 17:01

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

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Lab File ID: E68849.D BFB Injection Date: 04/19/2017

Instrument ID: CVOAMS5 BFB Injection Time: 21:19

Analysis Batch No.: 431606

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.0	
75	30.0 - 60.0 % of mass 95	49.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	83.8	
175	5.0 - 9.0 % of mass 174	6.1	(7.2) 1
176	95.0 - 101.0 % of mass 174	80.6	(96.2) 1
177	5.0 - 9.0 % of mass 176	5.4	(6.6) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8 460-431606/2	E68850.D	04/19/2017	21:44
	STD05 460-431606/3	E68851.D	04/19/2017	22:10
	STD1 460-431606/4	E68852.D	04/19/2017	22:36
	STD5 460-431606/5	E68853.D	04/19/2017	23:01
	STD50 460-431606/7	E68855.D	04/19/2017	23:53
	STD200 460-431606/8	E68856.D	04/20/2017	00:19
	STD500 460-431606/9	E68857.D	04/20/2017	00:45
	STD20 460-431606/13	E68862.D	04/20/2017	02:57

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

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Lab File ID: E70080.D BFB Injection Date: 04/27/2017

Instrument ID: CVOAMS5 BFB Injection Time: 23:53

Analysis Batch No.: 433504

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.5	
75	30.0 - 60.0 % of mass 95	47.1	
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	68.4	
175	5.0 - 9.0 % of mass 174	4.9	(7.2) 1
176	95.0 - 101.0 % of mass 174	66.6	(97.4) 1
177	5.0 - 9.0 % of mass 176	4.7	(7.0) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-433504/2	E70081.D	04/28/2017	00:08
	LCS 460-433504/3	E70082.D	04/28/2017	00:34
	LCSD 460-433504/4	E70083.D	04/28/2017	01:00
	MB 460-433504/7	E70086.D	04/28/2017	02:18
Trip Blank	460-131776-1	E70091.D	04/28/2017	04:28
Field Blank	460-131776-2	E70092.D	04/28/2017	04:54
MW-43	460-131776-3	E70093.D	04/28/2017	05:20
MW-36	460-131776-4	E70094.D	04/28/2017	05:46
TB-9	460-131776-7	E70097.D	04/28/2017	07:04
MW-71	460-131776-8	E70098.D	04/28/2017	07:30

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

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Lab File ID: E70110.D BFB Injection Date: 04/28/2017

Instrument ID: CVOAMS5 BFB Injection Time: 12:41

Analysis Batch No.: 433683

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.1	
75	30.0 - 60.0 % of mass 95	49.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	72.8	
175	5.0 - 9.0 % of mass 174	5.6	(7.7) 1
176	95.0 - 101.0 % of mass 174	70.3	(96.6) 1
177	5.0 - 9.0 % of mass 176	4.4	(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 460-433683/2	E70111.D	04/28/2017	13:07
	LCS 460-433683/3	E70112.D	04/28/2017	13:33
	LCSD 460-433683/4	E70113.D	04/28/2017	13:59
	MB 460-433683/7	E70116.D	04/28/2017	15:17
MW-54	460-131776-6	E70118.D	04/28/2017	16:09
MW-31	460-131776-5	E70120.D	04/28/2017	17:01

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

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Sample No.: CCVIS 460-433504/2 Date Analyzed: 04/28/2017 00:08

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm)

Lab File ID (Standard): E70081.D Heated Purge: (Y/N) N

Calibration ID: 62014

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		207929	1.85	272863	2.80	488227	3.34
UPPER LIMIT		415858	2.35	545726	3.30	976454	3.84
LOWER LIMIT		103965	1.35	136432	2.30	244114	2.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-433504/3		228735	1.85	290494	2.80	482149	3.34
LCSD 460-433504/4		225105	1.85	276726	2.80	439448	3.34
MB 460-433504/7		249727	1.85	303664	2.80	482598	3.34
460-131776-1	Trip Blank	245731	1.85	299882	2.80	476765	3.34
460-131776-2	Field Blank	241868	1.85	296450	2.80	473934	3.34
460-131776-3	MW-43	241715	1.85	295541	2.80	472258	3.34
460-131776-4	MW-36	240055	1.85	292624	2.80	468241	3.34
460-131776-7	TB-9	233654	1.85	288866	2.80	462719	3.34
460-131776-8	MW-71	218412	1.85	262525	2.80	410737	3.34

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.: 460-131776-1

SDG No.:

Sample No.: CCVIS 460-433504/2 Date Analyzed: 04/28/2017 00:08

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm)

Lab File ID (Standard): E70081.D Heated Purge: (Y/N) N

Calibration ID: 62014

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		27499	4.18	357571	6.64	200128	10.13
UPPER LIMIT		54998	4.68	715142	7.14	400256	10.63
LOWER LIMIT		13750	3.68	178786	6.14	100064	9.63
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-433504/3		28911	4.18	352801	6.64	199842	10.12
LCSD 460-433504/4		27687	4.18	322348	6.64	181424	10.13
MB 460-433504/7		29903	4.18	352672	6.64	194939	10.12
460-131776-1	Trip Blank	28832	4.18	347380	6.64	192212	10.13
460-131776-2	Field Blank	29098	4.18	343147	6.64	193372	10.12
460-131776-3	MW-43	29365	4.18	345519	6.64	191027	10.13
460-131776-4	MW-36	28904	4.18	339115	6.64	190318	10.12
460-131776-7	TB-9	28037	4.18	335147	6.64	186397	10.13
460-131776-8	MW-71	25349	4.18	301045	6.64	168866	10.12

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.: 460-131776-1

SDG No.:

Sample No.: CCVIS 460-433683/2 Date Analyzed: 04/28/2017 13:07

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm)

Lab File ID (Standard): E70111.D Heated Purge: (Y/N) N

Calibration ID: 62014

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		217304	1.85	281381	2.80	469429	3.34
UPPER LIMIT		434608	2.35	562762	3.30	938858	3.84
LOWER LIMIT		108652	1.35	140691	2.30	234715	2.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-433683/3		236478	1.85	295862	2.80	482320	3.34
LCSD 460-433683/4		221184	1.85	281009	2.80	463924	3.34
MB 460-433683/7		223542	1.85	277503	2.80	458587	3.34
460-131776-6	MW-54	194963	1.85	243904	2.80	396841	3.34
460-131776-5	MW-31	222578	1.85	272522	2.80	443014	3.34

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.: 460-131776-1

SDG No.:

Sample No.: CCVIS 460-433683/2 Date Analyzed: 04/28/2017 13:07

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm)

Lab File ID (Standard): E70111.D Heated Purge: (Y/N) N

Calibration ID: 62014

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		27045	4.18	341863	6.64	194841	10.12
UPPER LIMIT		54090	4.68	683726	7.14	389682	10.62
LOWER LIMIT		13523	3.68	170932	6.14	97421	9.62
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-433683/3		29426	4.18	351769	6.64	200579	10.12
LCSD 460-433683/4		28424	4.18	341161	6.64	191414	10.12
MB 460-433683/7		27019	4.18	335640	6.64	188686	10.12
460-131776-6	MW-54	23492	4.18	292469	6.64	165873	10.13
460-131776-5	MW-31	26884	4.18	327770	6.64	184076	10.12

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.: 460-131776-1

SDG No.:

Client Sample ID: Trip Blank | Lab Sample ID: 460-131776-1

Matrix: Water | Lab File ID: E70091.D

Analysis Method: 8260C | Date Collected: 04/17/2017 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 04:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433504 | 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	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
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.: 460-131776-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 460-131776-1

Matrix: Water Lab File ID: E70091.D

Analysis Method: 8260C Date Collected: 04/17/2017 00:00

Sample wt/vol: 5(mL) Date Analyzed: 04/28/2017 04:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 433504 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		74-132
460-00-4	Bromofluorobenzene	82		77-124
1868-53-7	Dibromofluoromethane (Surr)	88		72-131
2037-26-5	Toluene-d8 (Surr)	93		80-120

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

Lab Name: TestAmerica Edison | Job No.: 460-131776-1

SDG No.:

Client Sample ID: Trip Blank | Lab Sample ID: 460-131776-1

Matrix: Water | Lab File ID: E70091.D

Analysis Method: 8260C | Date Collected: 04/17/2017 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 04:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433504 | 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\CVOAMS5\20170427-54375.b\E70091.D
Lims ID: 460-131776-A-1
Client ID: Trip Blank
Sample Type: Client
Inject. Date: 28-Apr-2017 04:28:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131776-A-1
Misc. Info.: 460-0054375-012
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Apr-2017 20:14:50 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: martineze Date: 28-Apr-2017 13:05:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 TBA-d9 (IS)	65	1.854	1.845	0.009	98	245731	1000.0	
$ 47 Dibromofluoromethane (Surr	113	2.742	2.743	0.000	96	78906	44.1	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	99	299882	250.0	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	96	98882	45.1	
* 61 Fluorobenzene	96	3.343	3.343	0.000	98	476765	50.0	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	93	28832	1000.0	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	99	319102	46.5	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	88	347380	50.0	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	86	95082	41.0	
* 119 1,4-Dichlorobenzene-d4	152	10.125	10.125	0.000	97	192212	50.0	

Reagents:

8260ISNEW_00111 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00155 Amount Added: 1.00 Units: uL Run Reagent

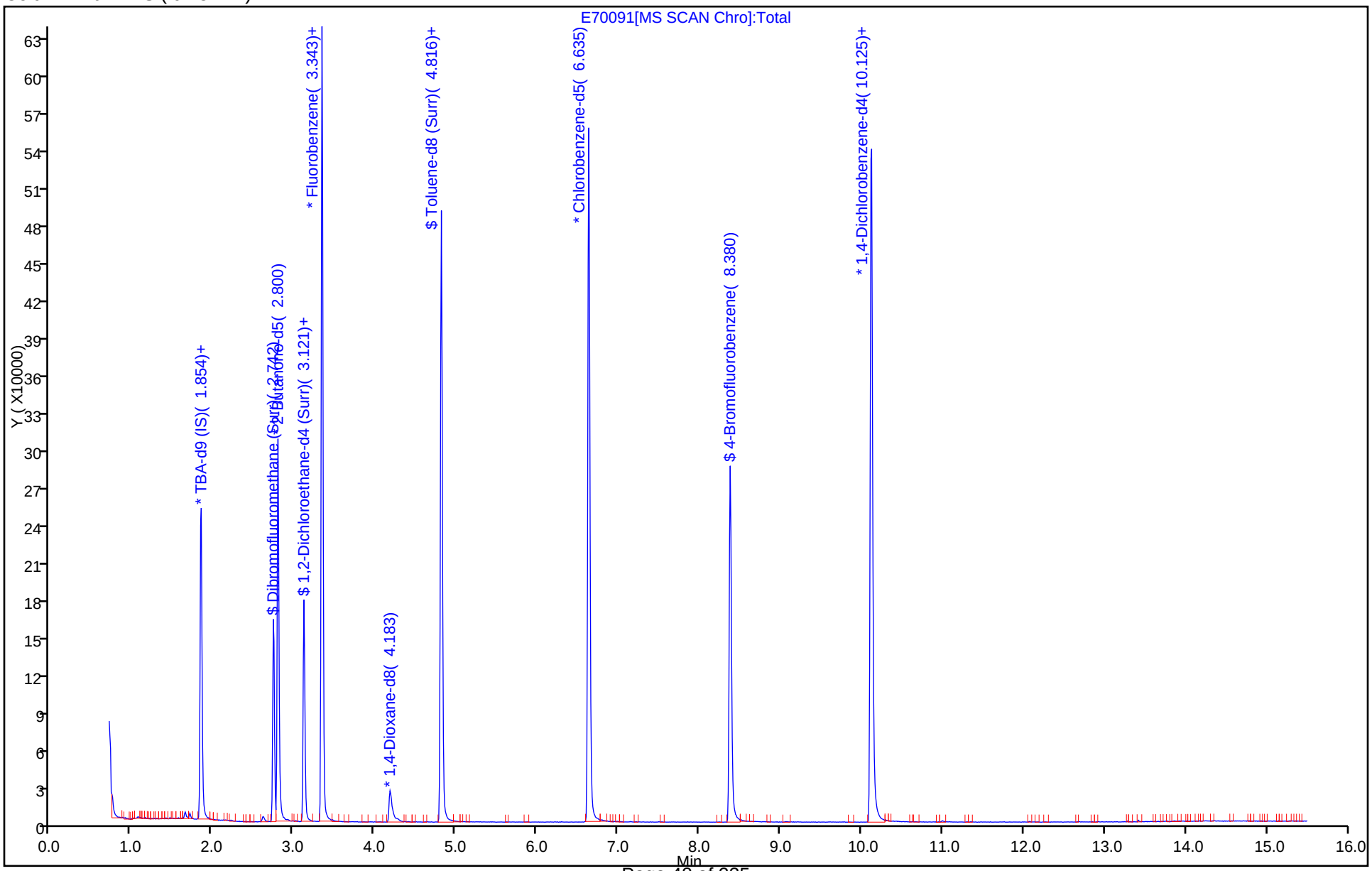
Report Date: 28-Apr-2017 20:14:51 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70091.D

Injection Date:	28-Apr-2017 04:28:30	Instrument ID:	CVOAMS5	Operator ID:	
Lims ID:	460-131776-A-1	Lab Sample ID:	460-131776-1	Worklist Smp#:	12
Client ID:	Trip Blank				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-VMS (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131776-1

SDG No.:

Client Sample ID: Field Blank | Lab Sample ID: 460-131776-2

Matrix: Water | Lab File ID: E70092.D

Analysis Method: 8260C | Date Collected: 04/18/2017 08:05

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 04:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433504 | 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	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
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.: 460-131776-1

SDG No.:

Client Sample ID: Field Blank Lab Sample ID: 460-131776-2

Matrix: Water Lab File ID: E70092.D

Analysis Method: 8260C Date Collected: 04/18/2017 08:05

Sample wt/vol: 5(mL) Date Analyzed: 04/28/2017 04:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 433504 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		74-132
460-00-4	Bromofluorobenzene	82		77-124
1868-53-7	Dibromofluoromethane (Surr)	87		72-131
2037-26-5	Toluene-d8 (Surr)	93		80-120

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

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Client Sample ID: Field Blank Lab Sample ID: 460-131776-2

Matrix: Water Lab File ID: E70092.D

Analysis Method: 8260C Date Collected: 04/18/2017 08:05

Sample wt/vol: 5(mL) Date Analyzed: 04/28/2017 04:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 433504 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\CVOAMS5\20170427-54375.b\E70092.D
Lims ID: 460-131776-A-2
Client ID: Field Blank
Sample Type: Client
Inject. Date: 28-Apr-2017 04:54:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131776-A-2
Misc. Info.: 460-0054375-013
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Apr-2017 13:06:20 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: martineze Date: 28-Apr-2017 13:06:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 TBA-d9 (IS)	65	1.854	1.845	0.009	98	241868	1000.0	
$ 47 Dibromofluoromethane (Surr	113	2.742	2.743	0.000	96	77095	43.3	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	99	296450	250.0	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	96	98146	45.0	
* 61 Fluorobenzene	96	3.343	3.343	0.000	98	473934	50.0	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	93	29098	1000.0	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	99	316927	46.7	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	88	343147	50.0	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	85	93924	41.0	
* 119 1,4-Dichlorobenzene-d4	152	10.124	10.125	-0.001	97	193372	50.0	

Reagents:

8260ISNEW_00111 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00155 Amount Added: 1.00 Units: uL Run Reagent

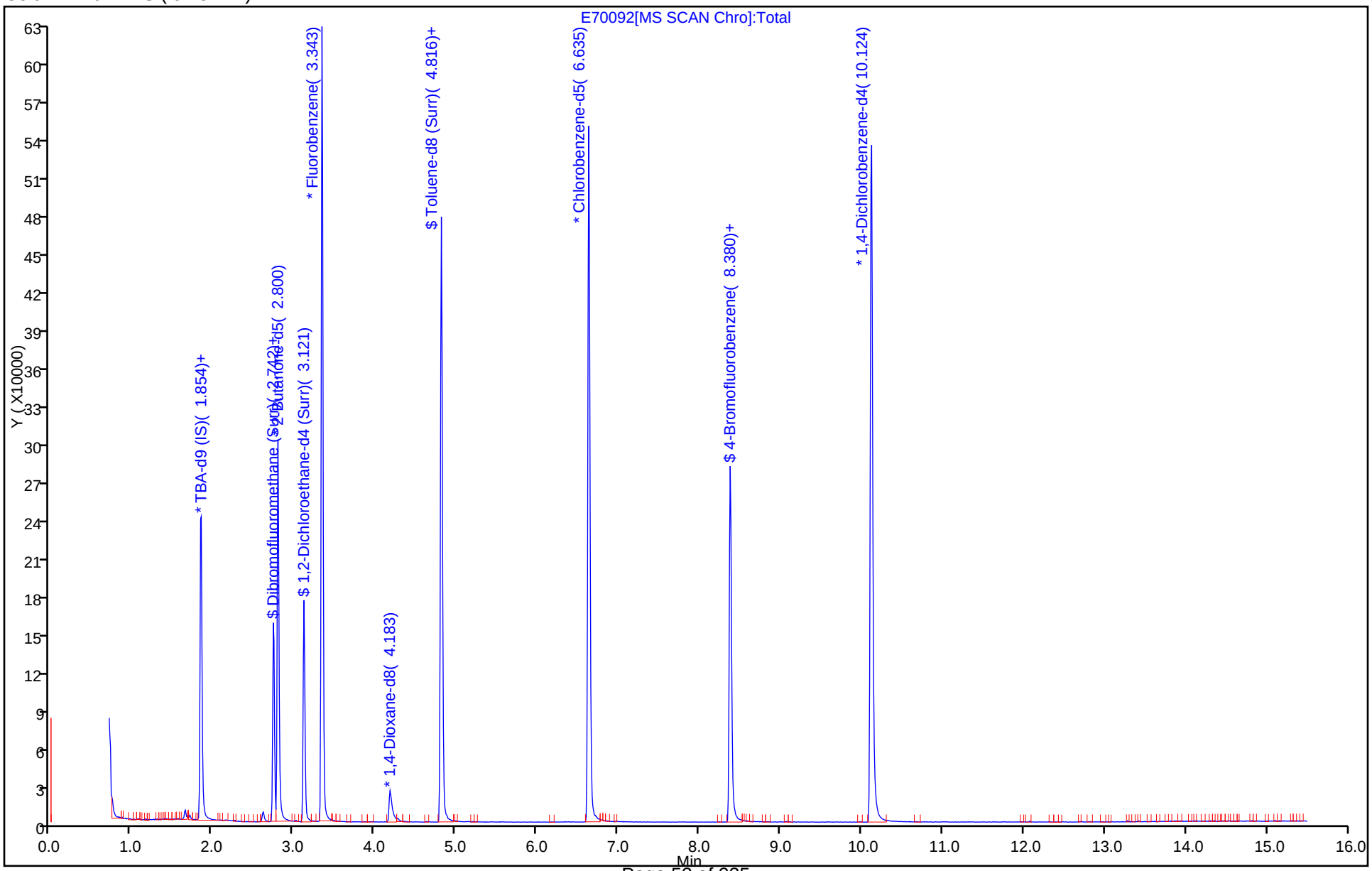
Report Date: 28-Apr-2017 13:06:21 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70092.D

Injection Date:	28-Apr-2017 04:54:30	Instrument ID:	CVOAMS5	Operator ID:	
Lims ID:	460-131776-A-2	Lab Sample ID:	460-131776-2	Worklist Smp#:	13
Client ID:	Field Blank				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-VMS (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131776-1

SDG No.:

Client Sample ID: MW-43 | Lab Sample ID: 460-131776-3

Matrix: Water | Lab File ID: E70093.D

Analysis Method: 8260C | Date Collected: 04/18/2017 08:15

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 05:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433504 | 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	2.0		1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
123-91-1	1,4-Dioxane	36	J	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	1.6		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	37		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	0.57	J	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.: 460-131776-1

SDG No.:

Client Sample ID: MW-43 Lab Sample ID: 460-131776-3

Matrix: Water Lab File ID: E70093.D

Analysis Method: 8260C Date Collected: 04/18/2017 08:15

Sample wt/vol: 5(mL) Date Analyzed: 04/28/2017 05:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 433504 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		74-132
460-00-4	Bromofluorobenzene	83		77-124
1868-53-7	Dibromofluoromethane (Surr)	89		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.: 460-131776-1

SDG No.:

Client Sample ID: MW-43 | Lab Sample ID: 460-131776-3

Matrix: Water | Lab File ID: E70093.D

Analysis Method: 8260C | Date Collected: 04/18/2017 08:15

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 05:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433504 | 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\CVOAMS5\20170427-54375.b\E70093.D
Lims ID: 460-131776-A-3
Client ID: MW-43
Sample Type: Client
Inject. Date: 28-Apr-2017 05:20:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131776-A-3
Misc. Info.: 460-0054375-014
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Apr-2017 20:14:50 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: martineze Date: 28-Apr-2017 13:06:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 TBA-d9 (IS)	65	1.845	1.845	0.000	98	241715	1000.0	
38 cis-1,2-Dichloroethene	96	2.438	2.438	0.000	94	1537	0.5713	
$ 47 Dibromofluoromethane (Surr	113	2.742	2.743	0.000	96	78648	44.4	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	99	295541	250.0	
54 Benzene	78	3.022	3.014	0.008	96	14909	1.61	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	96	99165	45.6	
59 1,2-Dichloroethane	62	3.170	3.170	0.000	95	6944	1.98	
* 61 Fluorobenzene	96	3.343	3.343	0.000	98	472258	50.0	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	94	29365	1000.0	
74 1,4-Dioxane	88	4.216	4.207	0.009	91	1294	35.6	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	99	328094	48.0	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	91	345519	50.0	
93 Chlorobenzene	112	6.652	6.652	0.000	95	246179	36.6	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	85	96109	41.7	
* 119 1,4-Dichlorobenzene-d4	152	10.125	10.125	0.000	97	191027	50.0	

Reagents:

8260ISNEW_00111 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00155 Amount Added: 1.00 Units: uL Run Reagent

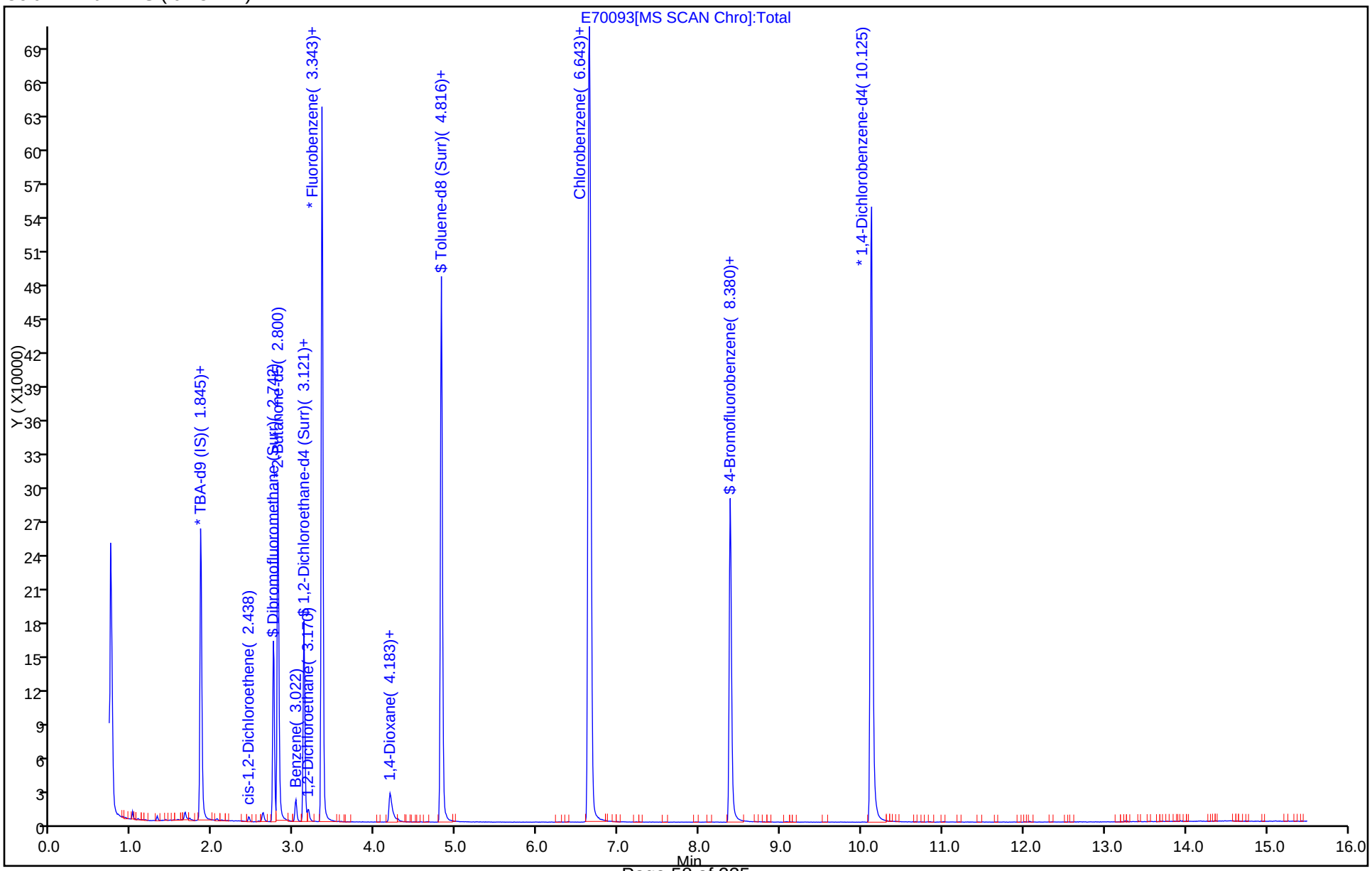
Report Date: 28-Apr-2017 20:16:04 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70093.D

Injection Date:	28-Apr-2017 05:20:30	Instrument ID:	CVOAMS5	Operator ID:	
Lims ID:	460-131776-A-3	Lab Sample ID:	460-131776-3	Worklist Smp#:	14
Client ID:	MW-43				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-VMS (0.18 mm)



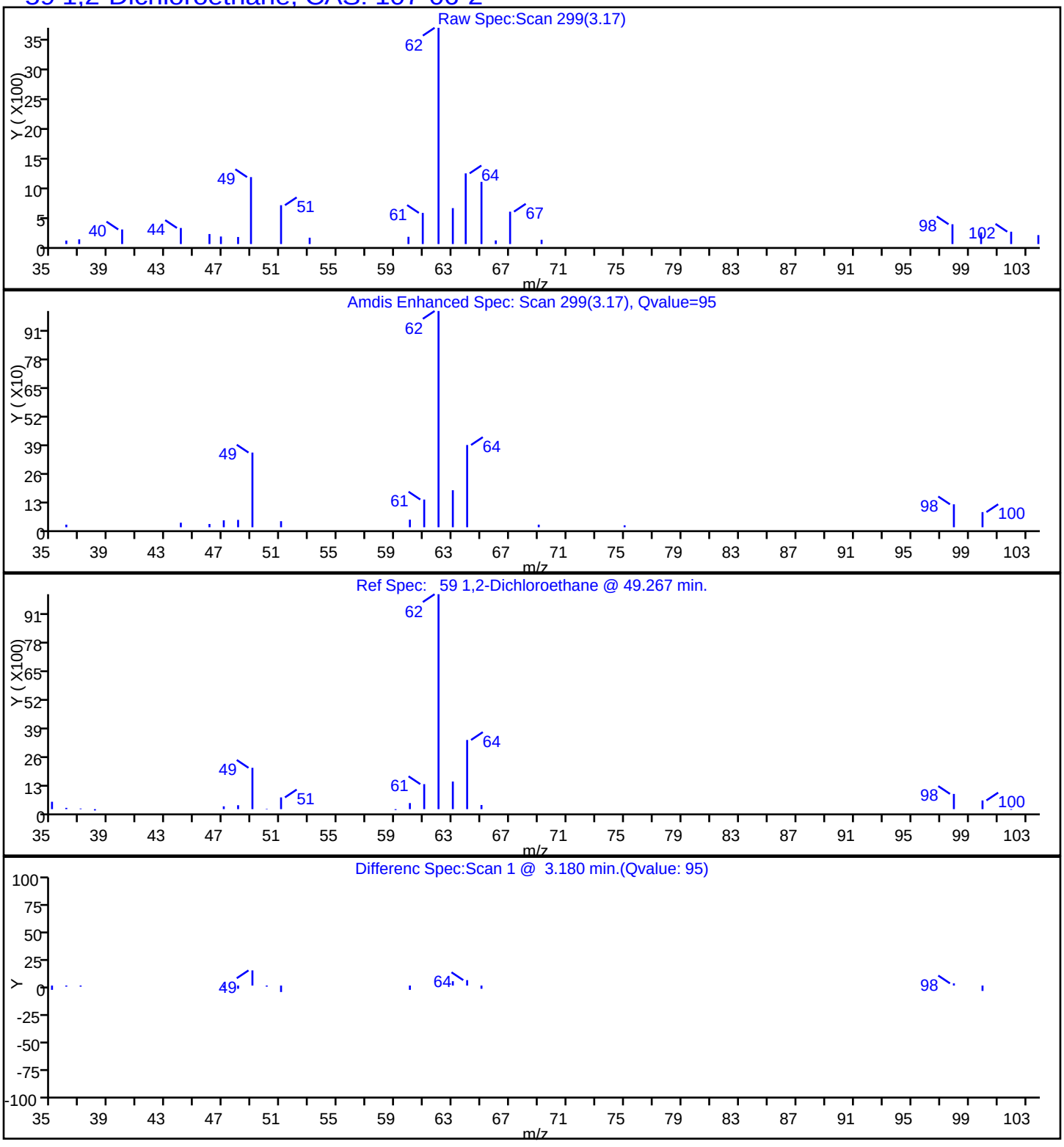
Report Date: 28-Apr-2017 20:16:04 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70093.D

Injection Date:	28-Apr-2017 05:20:30	Instrument ID:	CVOAMS5		
Lims ID:	460-131776-A-3	Lab Sample ID:	460-131776-3		
Client ID:	MW-43				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN		

59 1,2-Dichloroethane, CAS: 107-06-2



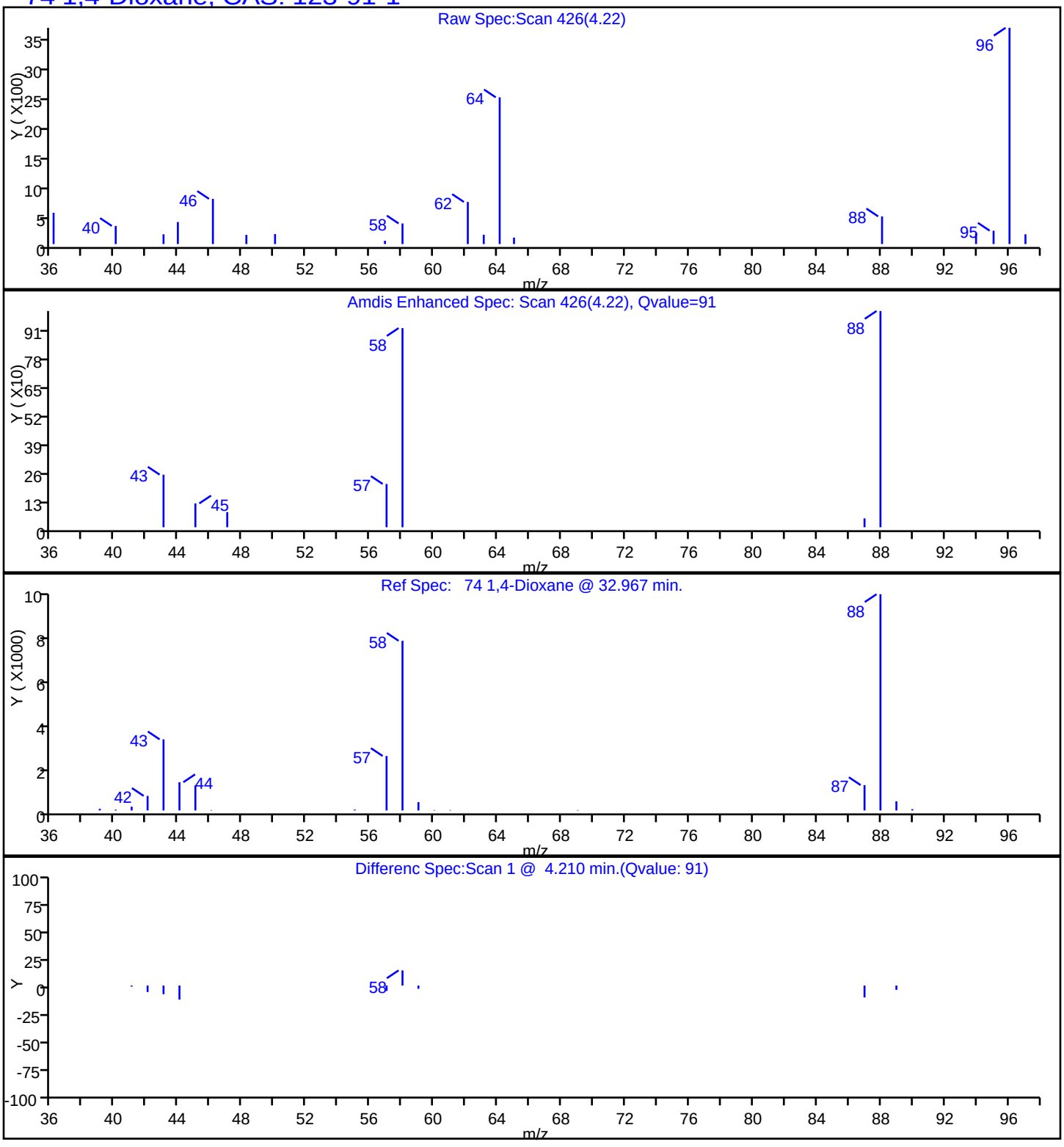
Report Date: 28-Apr-2017 20:16:04 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70093.D

Injection Date:	28-Apr-2017 05:20:30	Instrument ID:	CVOAMS5		
Lims ID:	460-131776-A-3	Lab Sample ID:	460-131776-3		
Client ID:	MW-43				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN		

74 1,4-Dioxane, CAS: 123-91-1



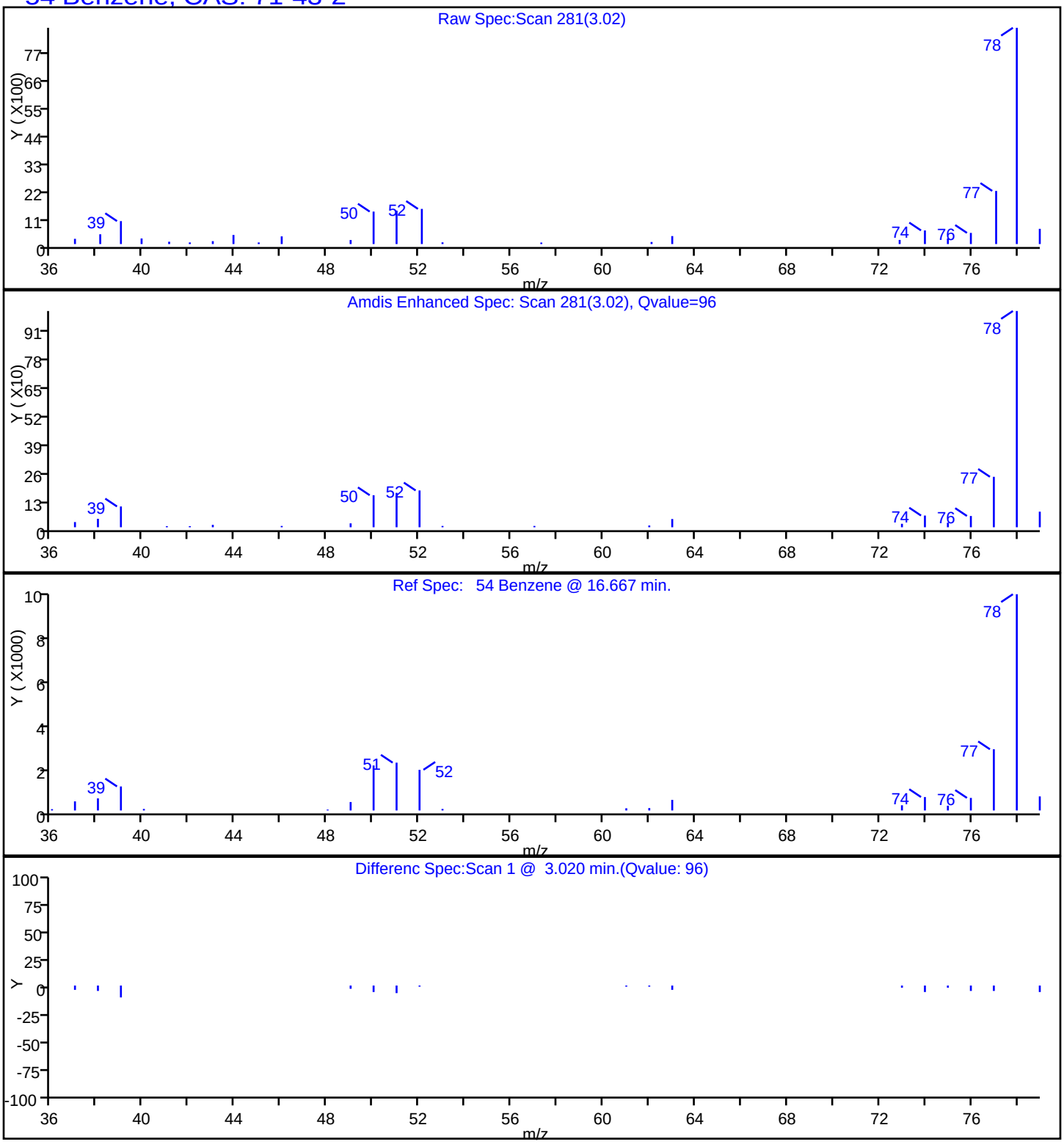
Report Date: 28-Apr-2017 20:16:04 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70093.D

Injection Date:	28-Apr-2017 05:20:30	Instrument ID:	CVOAMS5		
Lims ID:	460-131776-A-3	Lab Sample ID:	460-131776-3		
Client ID:	MW-43				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN		

54 Benzene, CAS: 71-43-2



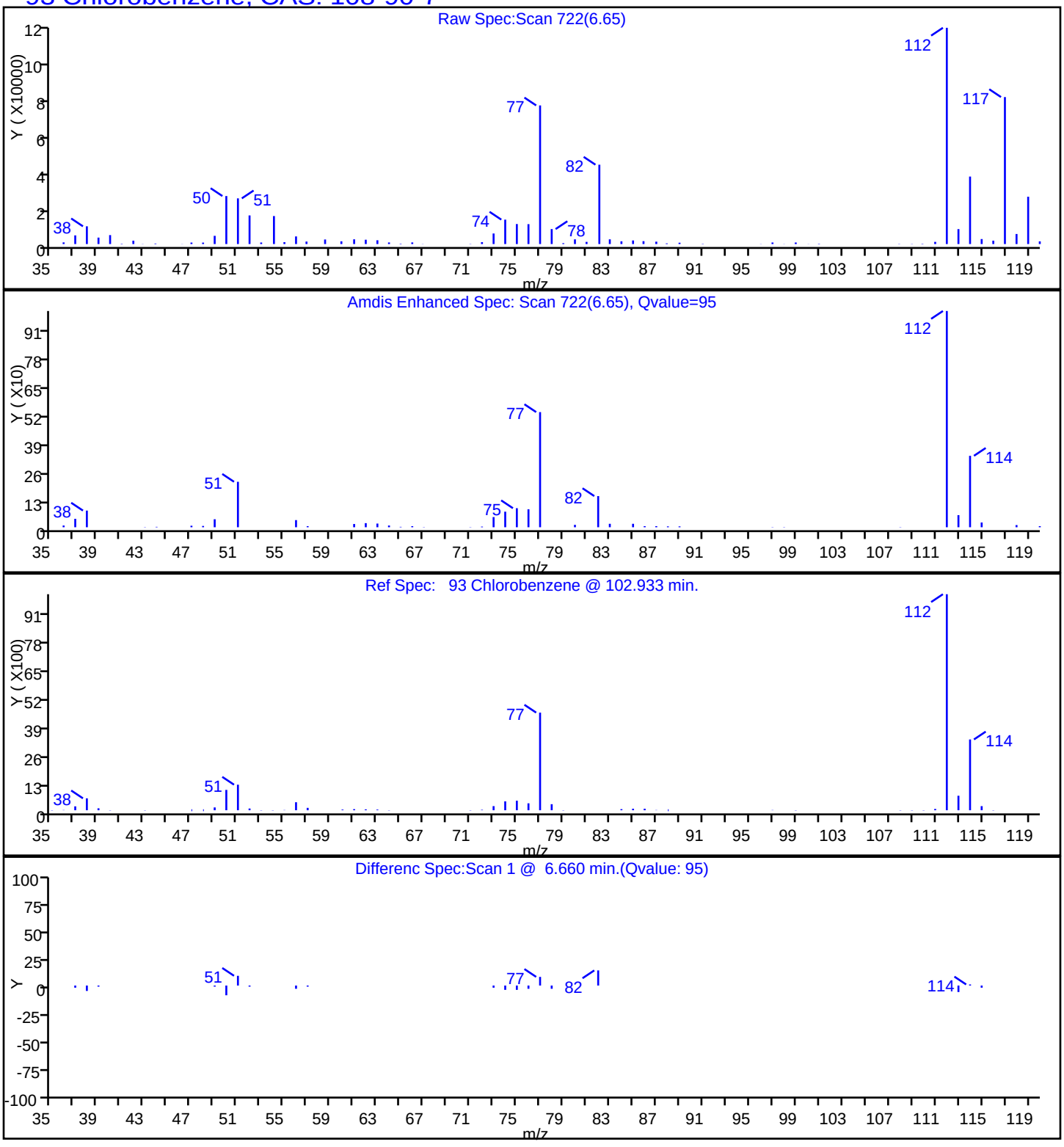
Report Date: 28-Apr-2017 20:16:04 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70093.D

Injection Date:	28-Apr-2017 05:20:30	Instrument ID:	CVOAMS5		
Lims ID:	460-131776-A-3	Lab Sample ID:	460-131776-3		
Client ID:	MW-43				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN		

93 Chlorobenzene, CAS: 108-90-7



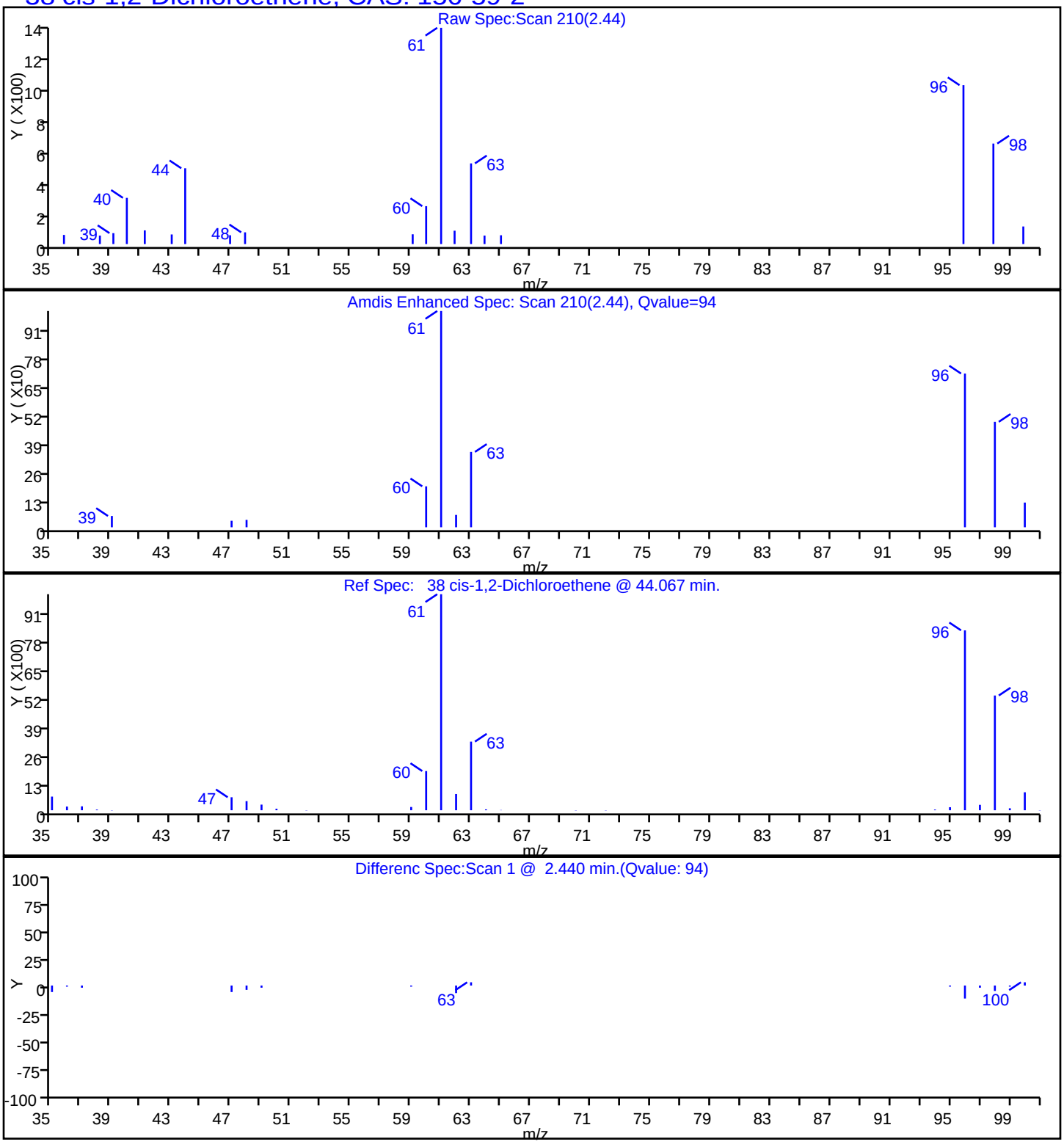
Report Date: 28-Apr-2017 20:16:04 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70093.D

Injection Date:	28-Apr-2017 05:20:30	Instrument ID:	CVOAMS5		
Lims ID:	460-131776-A-3	Lab Sample ID:	460-131776-3		
Client ID:	MW-43				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN		

38 cis-1,2-Dichloroethene, CAS: 156-59-2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131776-1

SDG No.:

Client Sample ID: MW-36 | Lab Sample ID: 460-131776-4

Matrix: Water | Lab File ID: E70094.D

Analysis Method: 8260C | Date Collected: 04/18/2017 08:50

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 05:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433504 | 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	19	J	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
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.: 460-131776-1

SDG No.:

Client Sample ID: MW-36 Lab Sample ID: 460-131776-4

Matrix: Water Lab File ID: E70094.D

Analysis Method: 8260C Date Collected: 04/18/2017 08:50

Sample wt/vol: 5(mL) Date Analyzed: 04/28/2017 05:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 433504 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		74-132
460-00-4	Bromofluorobenzene	105		77-124
1868-53-7	Dibromofluoromethane (Surr)	111		72-131
2037-26-5	Toluene-d8 (Surr)	119		80-120

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

Lab Name: TestAmerica Edison | Job No.: 460-131776-1

SDG No.:

Client Sample ID: MW-36 | Lab Sample ID: 460-131776-4

Matrix: Water | Lab File ID: E70094.D

Analysis Method: 8260C | Date Collected: 04/18/2017 08:50

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 05:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433504 | 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\CVOAMS5\20170427-54375.b\E70094.D
Lims ID: 460-131776-A-4
Client ID: MW-36
Sample Type: Client
Inject. Date: 28-Apr-2017 05:46:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131776-A-4
Misc. Info.: 460-0054375-015
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Apr-2017 13:07:13 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: martineze Date: 28-Apr-2017 13:07:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 TBA-d9 (IS)	65	1.845	1.845	0.000	98	240055	1000.0	
$ 47 Dibromofluoromethane (Surr	113	2.742	2.743	0.000	96	97377	55.4	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	99	292624	250.0	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	97	124194	57.7	
* 61 Fluorobenzene	96	3.343	3.343	0.000	98	468241	50.0	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	93	28904	1000.0	
74 1,4-Dioxane	88	4.207	4.207	0.000	48	674	18.9	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	99	399293	59.5	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	88	339115	50.0	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	85	118447	52.4	
* 119 1,4-Dichlorobenzene-d4	152	10.124	10.125	-0.001	97	190318	50.0	

Reagents:

8260ISNEW_00111 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00155 Amount Added: 1.00 Units: uL Run Reagent

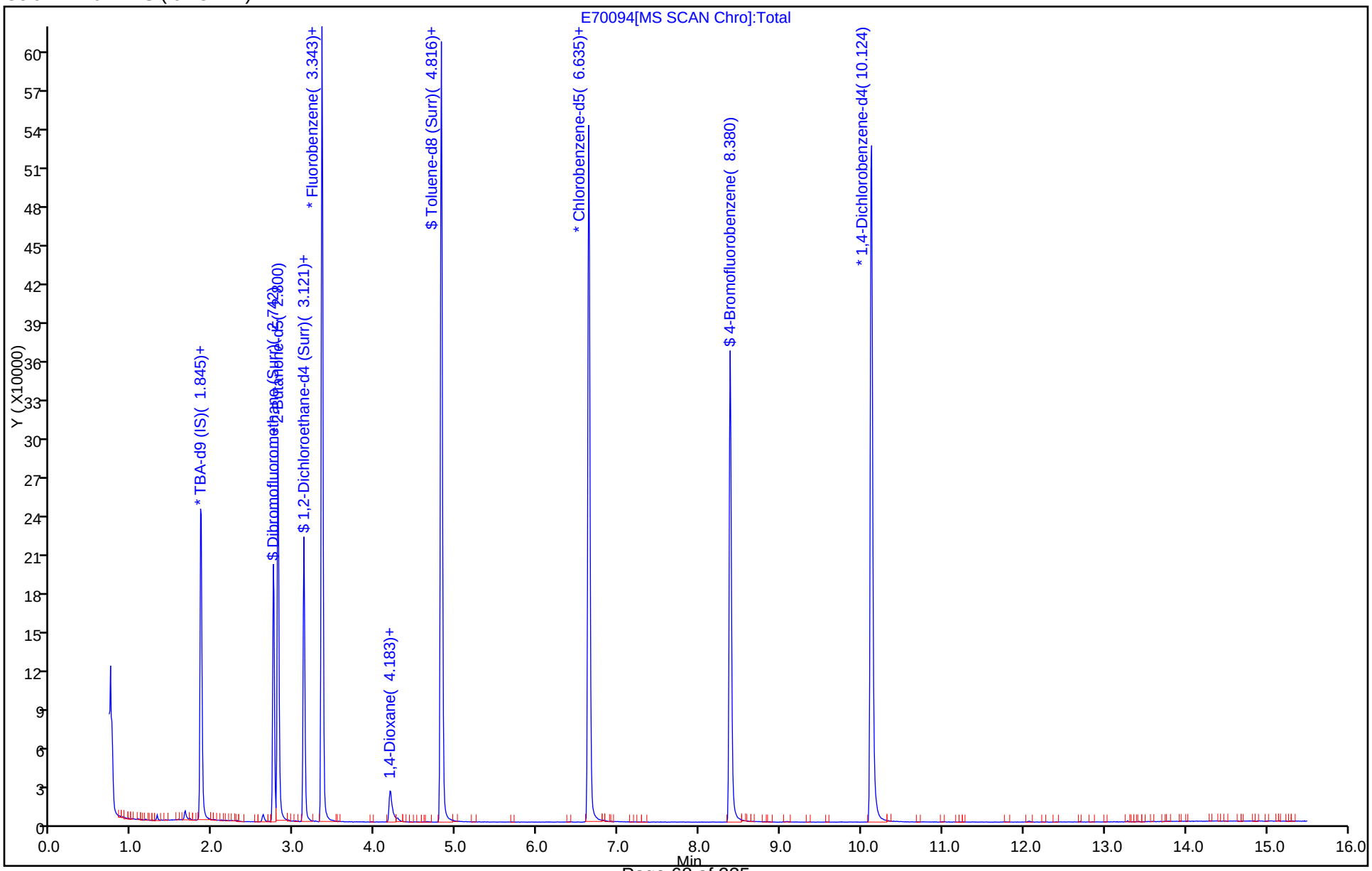
Report Date: 28-Apr-2017 13:07:13 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70094.D

Injection Date:	28-Apr-2017 05:46:30	Instrument ID:	CVOAMS5	Operator ID:	
Lims ID:	460-131776-A-4	Lab Sample ID:	460-131776-4	Worklist Smp#:	15
Client ID:	MW-36				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-VMS (0.18 mm)



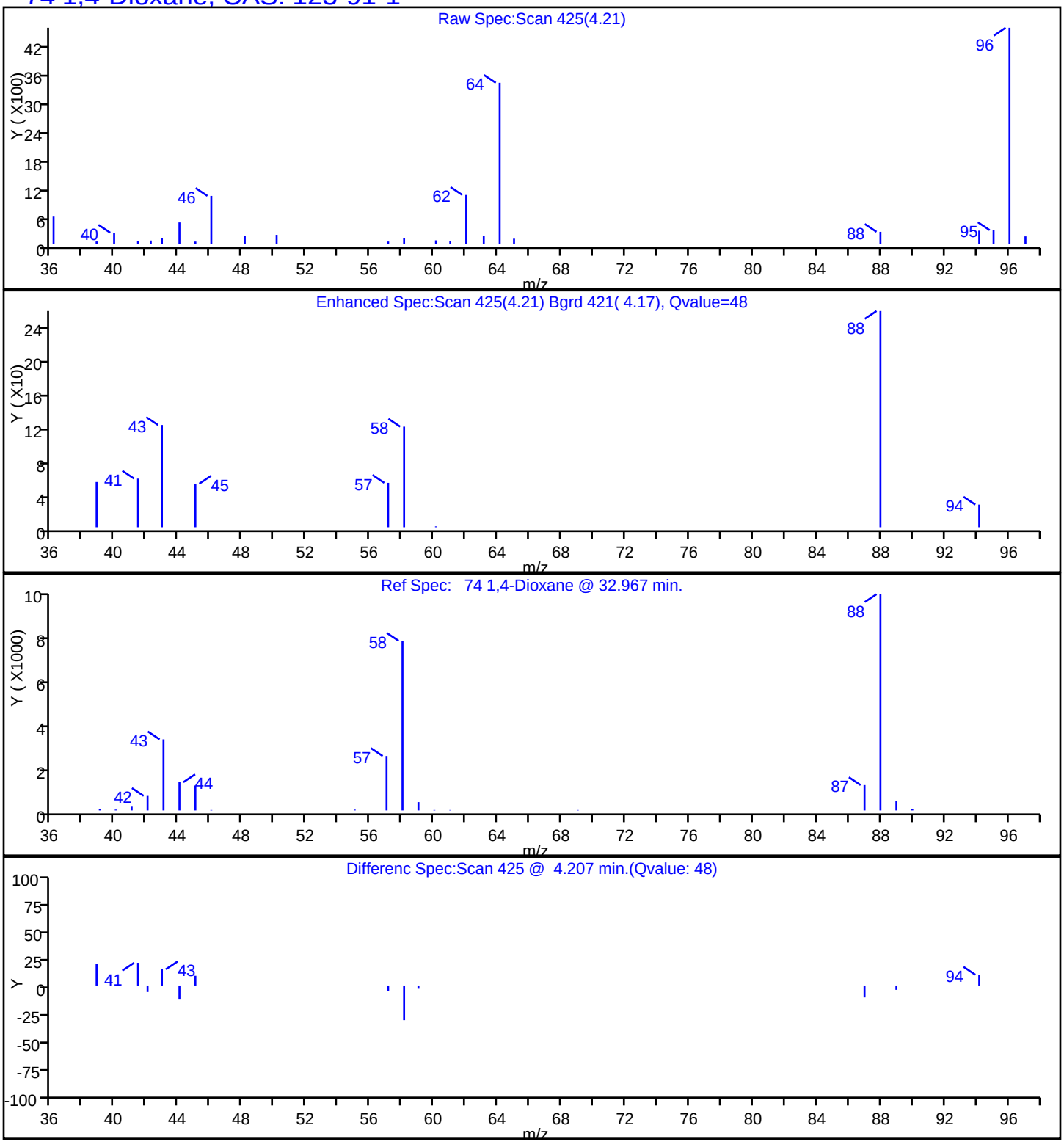
Report Date: 28-Apr-2017 13:07:13 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70094.D

Injection Date:	28-Apr-2017 05:46:30	Instrument ID:	CVOAMS5		
Lims ID:	460-131776-A-4	Lab Sample ID:	460-131776-4		
Client ID:	MW-36				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN		

74 1,4-Dioxane, CAS: 123-91-1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131776-1

SDG No.:

Client Sample ID: MW-31 | Lab Sample ID: 460-131776-5

Matrix: Water | Lab File ID: E70120.D

Analysis Method: 8260C | Date Collected: 04/18/2017 09:25

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 17:01

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433683 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.56	U	2.0	0.56
79-34-5	1,1,2,2-Tetrachloroethane	0.38	U	2.0	0.38
79-00-5	1,1,2-Trichloroethane	0.16	U	2.0	0.16
75-34-3	1,1-Dichloroethane	0.48	U	2.0	0.48
75-35-4	1,1-Dichloroethene	0.68	U	2.0	0.68
107-06-2	1,2-Dichloroethane	0.53	J	2.0	0.50
78-87-5	1,2-Dichloropropane	0.36	U	2.0	0.36
123-91-1	1,4-Dioxane	17	U	100	17
78-93-3	2-Butanone	4.4	U	10	4.4
591-78-6	2-Hexanone	1.4	U	10	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	10	1.3
67-64-1	Acetone	2.1	U	10	2.1
71-43-2	Benzene	21		2.0	0.18
75-27-4	Bromodichloromethane	0.30	U	2.0	0.30
75-25-2	Bromoform	0.36	U	2.0	0.36
74-83-9	Bromomethane	0.36	U	2.0	0.36
75-15-0	Carbon disulfide	0.44	U	2.0	0.44
56-23-5	Carbon tetrachloride	0.66	U	2.0	0.66
108-90-7	Chlorobenzene	180		2.0	0.48
75-00-3	Chloroethane	540		2.0	0.74
67-66-3	Chloroform	0.44	U	2.0	0.44
74-87-3	Chloromethane	0.44	U	2.0	0.44
156-59-2	cis-1,2-Dichloroethene	0.52	U	2.0	0.52
10061-01-5	cis-1,3-Dichloropropene	0.32	U	2.0	0.32
124-48-1	Dibromochloromethane	0.44	U	2.0	0.44
100-41-4	Ethylbenzene	0.60	U	2.0	0.60
75-09-2	Methylene Chloride	0.45	J	2.0	0.42
100-42-5	Styrene	0.34	U	2.0	0.34
127-18-4	Tetrachloroethene	0.24	U	2.0	0.24
108-88-3	Toluene	19		2.0	0.50
156-60-5	trans-1,2-Dichloroethene	0.36	U	2.0	0.36
10061-02-6	trans-1,3-Dichloropropene	0.38	U	2.0	0.38
79-01-6	Trichloroethene	0.44	U	2.0	0.44
75-01-4	Vinyl chloride	0.12	U	2.0	0.12
1330-20-7	Xylenes, Total	0.56	U	4.0	0.56

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Client Sample ID: MW-31 Lab Sample ID: 460-131776-5

Matrix: Water Lab File ID: E70120.D

Analysis Method: 8260C Date Collected: 04/18/2017 09:25

Sample wt/vol: 5(mL) Date Analyzed: 04/28/2017 17:01

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 433683 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		74-132
460-00-4	Bromofluorobenzene	110		77-124
1868-53-7	Dibromofluoromethane (Surr)	115		72-131
2037-26-5	Toluene-d8 (Surr)	120		80-120

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

Lab Name: TestAmerica Edison | Job No.: 460-131776-1

SDG No.:

Client Sample ID: MW-31 | Lab Sample ID: 460-131776-5

Matrix: Water | Lab File ID: E70120.D

Analysis Method: 8260C | Date Collected: 04/18/2017 09:25

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 17:01

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433683 | Units: ug/L

Number TICs Found: 2 | TIC Result Total: 55

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
60-29-7	Ethyl ether	1.31	40	J N	90%
95-49-8	Benzene, 1-chloro-2-methyl-	8.81	15	J N	97%

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70120.D
Lims ID: 460-131776-B-5
Client ID: MW-31
Sample Type: Client
Inject. Date: 28-Apr-2017 17:01:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 460-131776-B-5
Misc. Info.: 460-0054412-011
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Apr-2017 20:40:40 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: baronm Date: 28-Apr-2017 20:36:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
7 Chloroethane	64	1.105	1.105	0.000	100	462876	271.3	
23 Methylene Chloride	84	1.689	1.689	0.000	96	558	0.2229	
* 29 TBA-d9 (IS)	65	1.845	1.854	-0.009	98	222578	1000.0	
$ 47 Dibromofluoromethane (Surr	113	2.742	2.742	0.000	96	95563	57.5	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	99	272522	250.0	
54 Benzene	78	3.014	3.014	0.000	96	93326	10.6	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	96	118852	58.3	
59 1,2-Dichloroethane	62	3.179	3.170	0.009	1	880	0.2675	
* 61 Fluorobenzene	96	3.343	3.343	0.000	98	443014	50.0	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	92	26884	1000.0	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	99	387345	59.8	
79 Toluene	91	4.874	4.866	0.008	93	90402	9.34	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	88	327770	50.0	
93 Chlorobenzene	112	6.652	6.651	0.001	93	571906	89.6	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	86	119688	54.8	
* 119 1,4-Dichlorobenzene-d4	152	10.124	10.124	0.000	97	184076	50.0	

Reagents:

8260ISNEW_00111	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00155	Amount Added:	1.00	Units: uL	Run Reagent

TestAmerica Edison
Tentatively Identified Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70120.D				
Lims ID:	460-131776-B-5				
Client ID:	MW-31				
Sample Type:	Client				
Inject. Date:	28-Apr-2017 17:01:30	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Sample Info:	460-131776-B-5				
Misc. Info.:	460-0054412-011				
Operator ID:		Instrument ID:	CVOAMS5		
Method:	\\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\8260W_5.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	28-Apr-2017 20:40:40	Calib Date:	20-Apr-2017 02:57:30		
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:	50				
Column 1 :	Rtx-VMS (0.18 mm)		Det: MS SCAN		
Process Host:	XAWRK028				
First Level Reviewer: baronm		Date:	28-Apr-2017 20:36:44		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
60-29-7 Ethyl ether								
1.310	370172	20.0	61	90	824	C4H10O	74	
95-49-8 Benzene, 1-chloro-2-methyl-								
8.808	419971	7.58	92	97	10924	C7H7Cl	126	

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 61 Fluorobenzene	3.343	926795	50.0
* 92 Chlorobenzene-d5	6.652	2771741	50.0

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00111	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00155	Amount Added:	1.00	Units: uL	Run Reagent

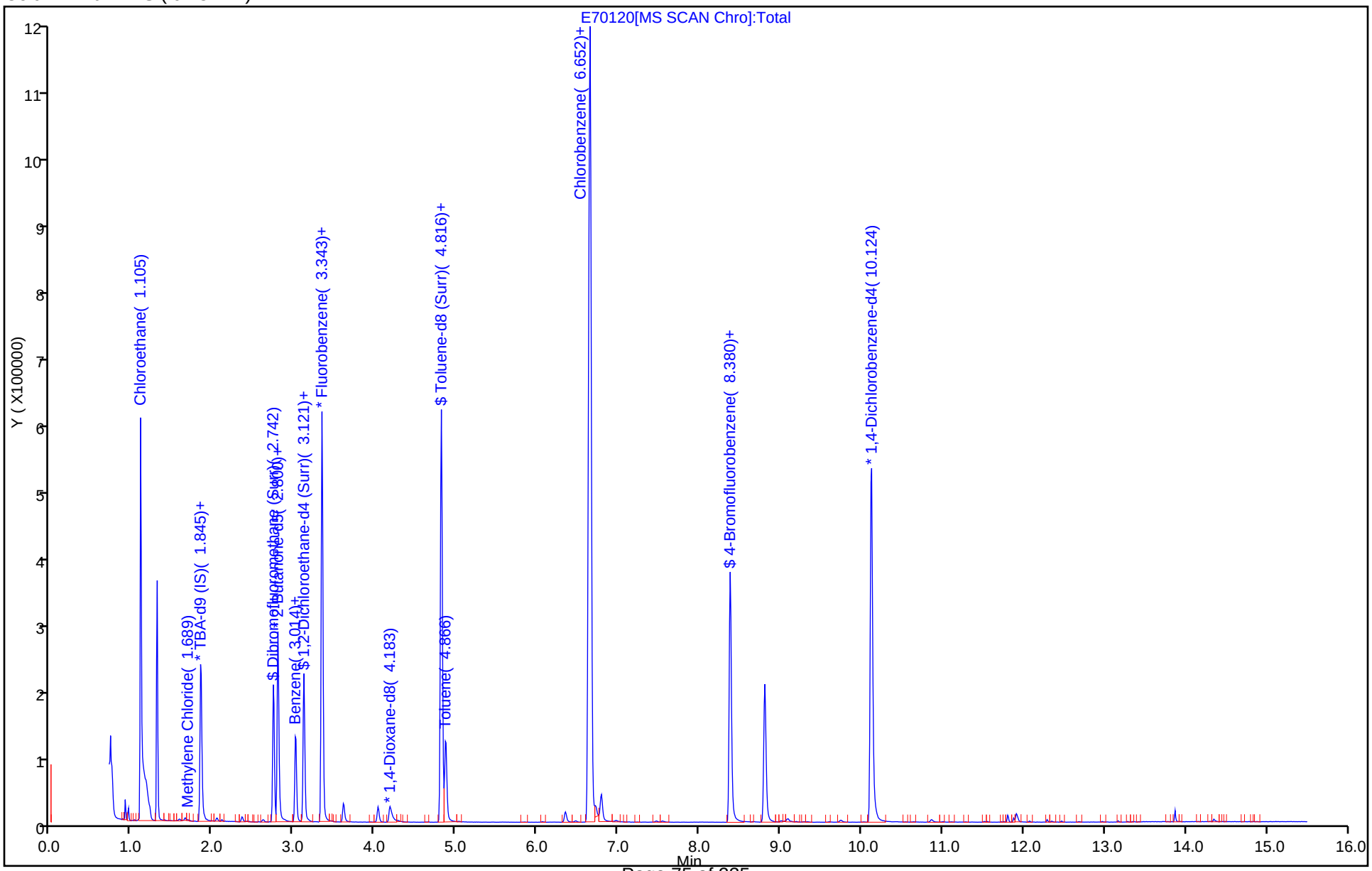
Report Date: 28-Apr-2017 20:40:51 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70120.D

Injection Date:	28-Apr-2017 17:01:30	Instrument ID:	CVOAMS5	Operator ID:	
Lims ID:	460-131776-B-5	Lab Sample ID:	460-131776-5	Worklist Smp#:	11
Client ID:	MW-31				
Purge Vol:	5.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	10
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-VMS (0.18 mm)



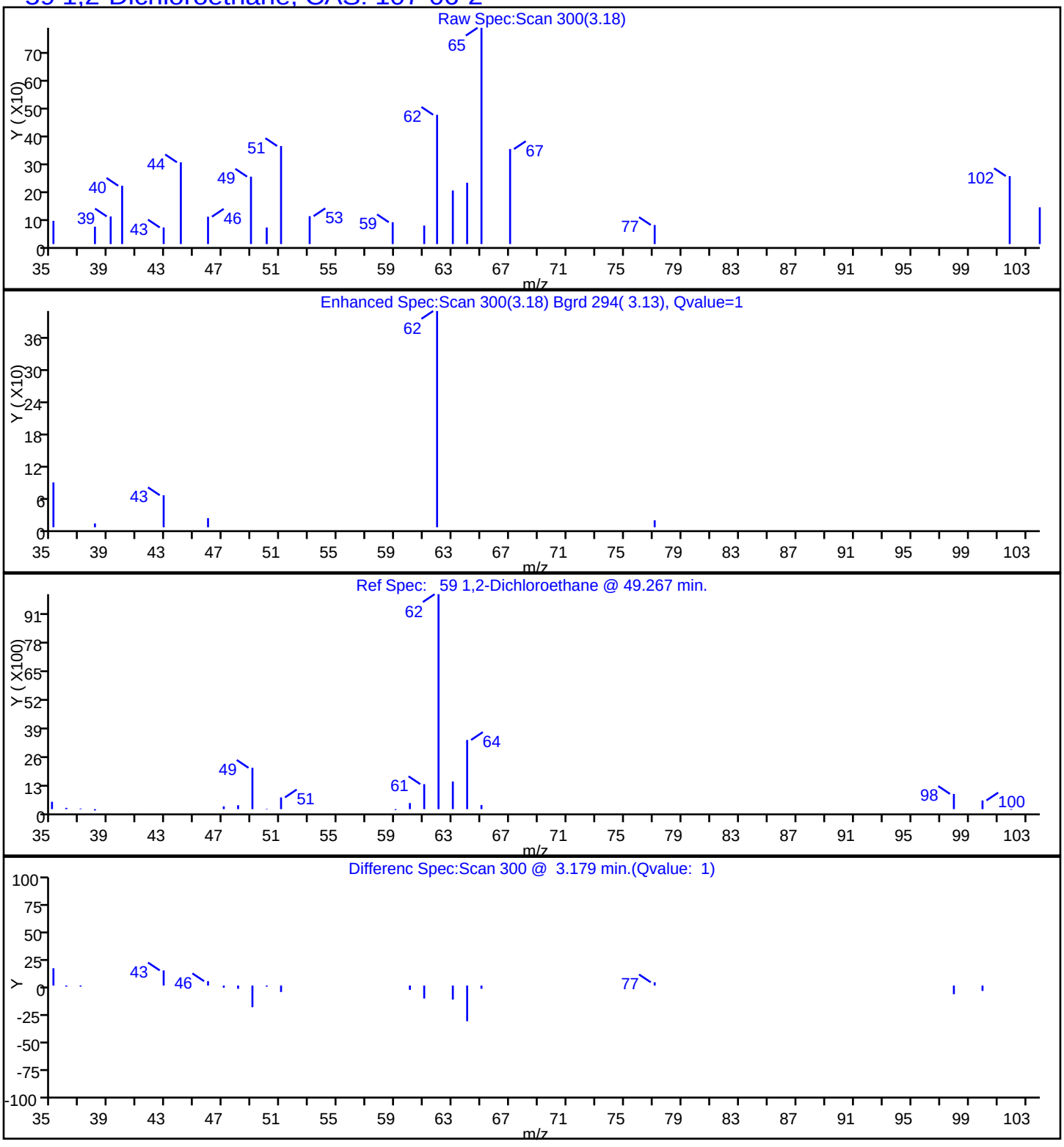
Report Date: 28-Apr-2017 20:40:51 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70120.D

Injection Date:	28-Apr-2017 17:01:30	Instrument ID:	CVOAMS5		
Lims ID:	460-131776-B-5	Lab Sample ID:	460-131776-5		
Client ID:	MW-31				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN		

59 1,2-Dichloroethane, CAS: 107-06-2



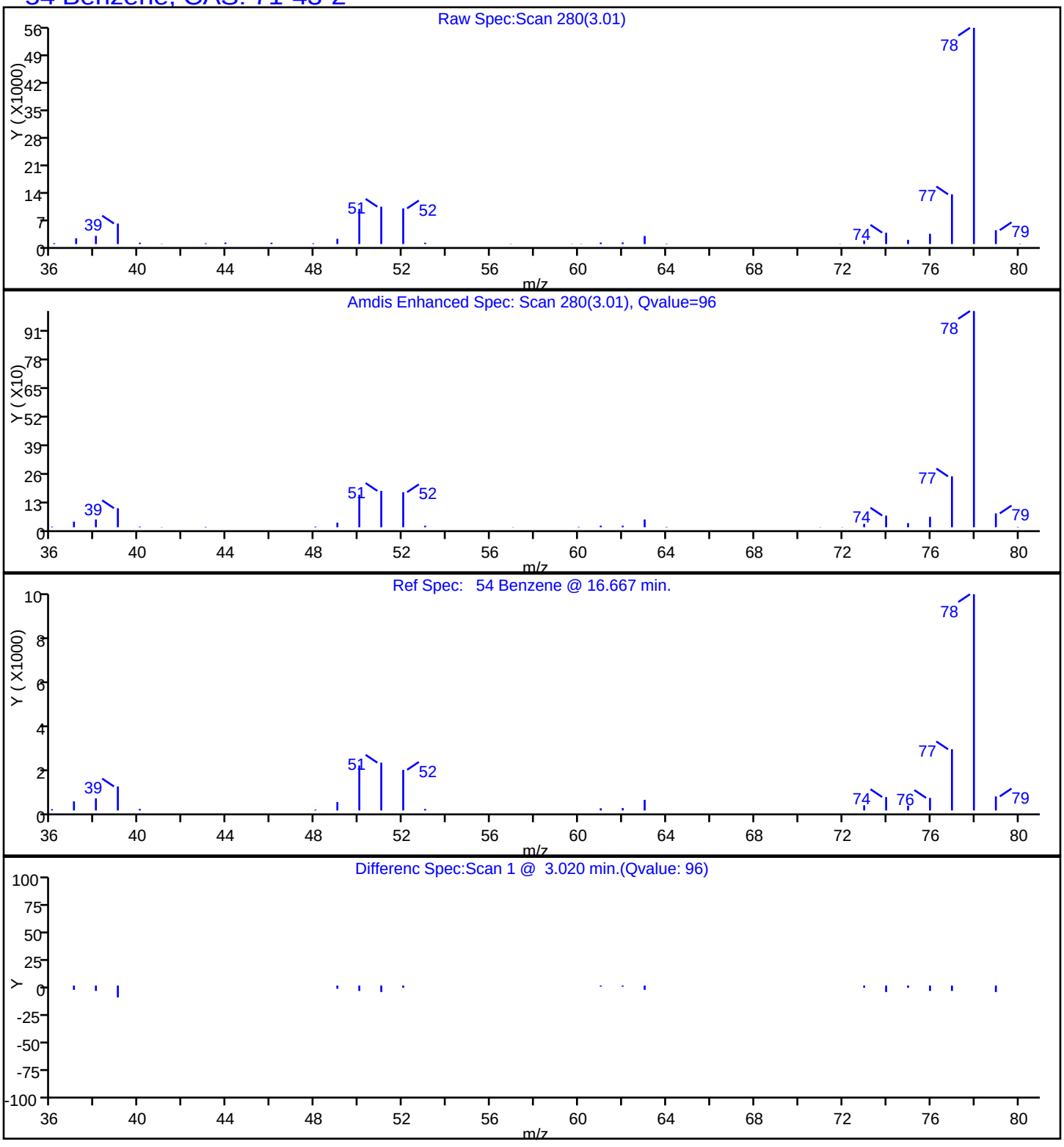
Report Date: 28-Apr-2017 20:40:51 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70120.D

Injection Date:	28-Apr-2017 17:01:30	Instrument ID:	CVOAMS5
Lims ID:	460-131776-B-5	Lab Sample ID:	460-131776-5
Client ID:	MW-31		
Operator ID:		ALS Bottle#:	10 Worklist Smp#: 11
Purge Vol:	5.000 mL	Dil. Factor:	2.0000
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN

54 Benzene, CAS: 71-43-2



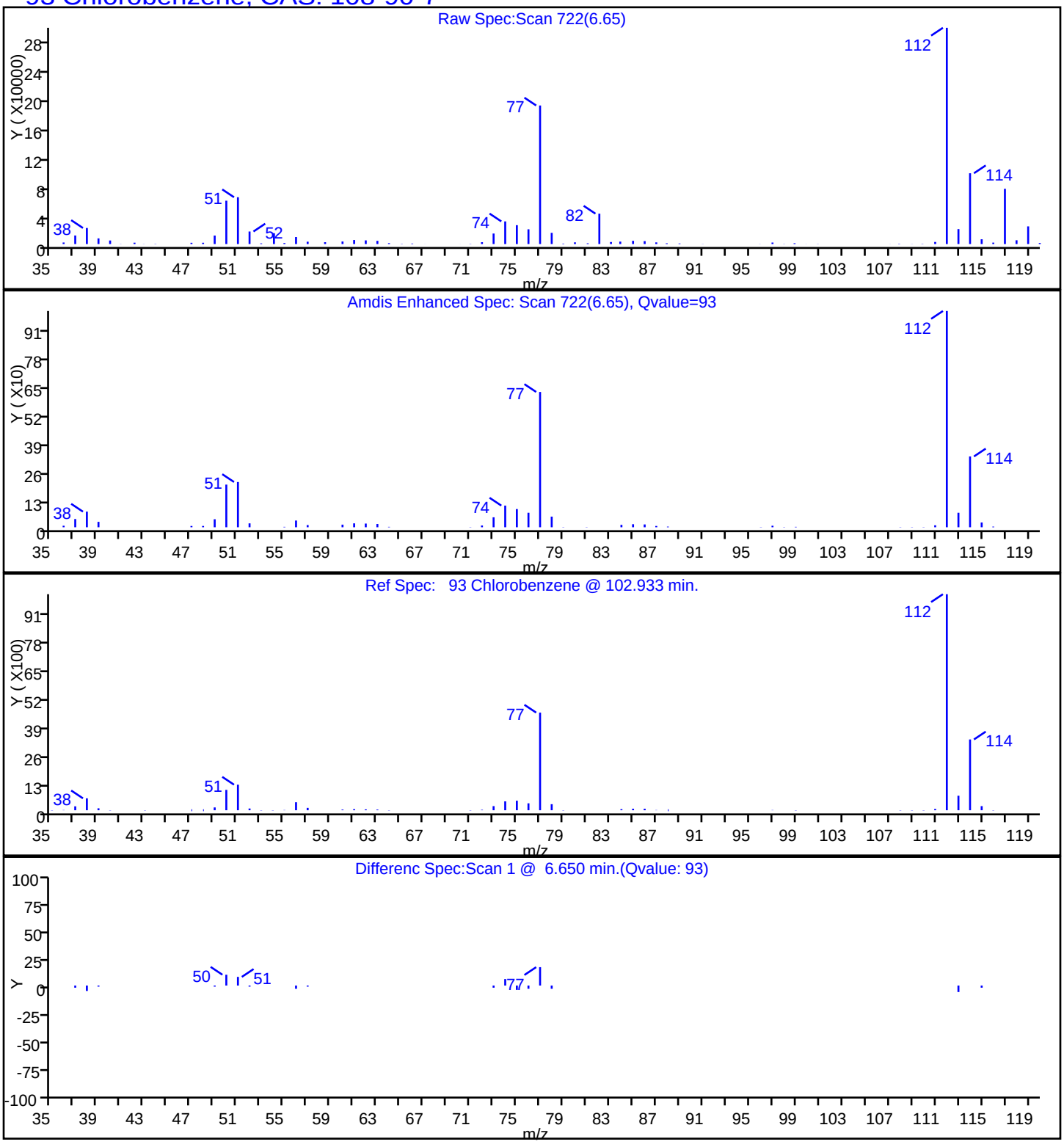
Report Date: 28-Apr-2017 20:40:51 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70120.D

Injection Date:	28-Apr-2017 17:01:30	Instrument ID:	CVOAMS5		
Lims ID:	460-131776-B-5	Lab Sample ID:	460-131776-5		
Client ID:	MW-31				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN		

93 Chlorobenzene, CAS: 108-90-7



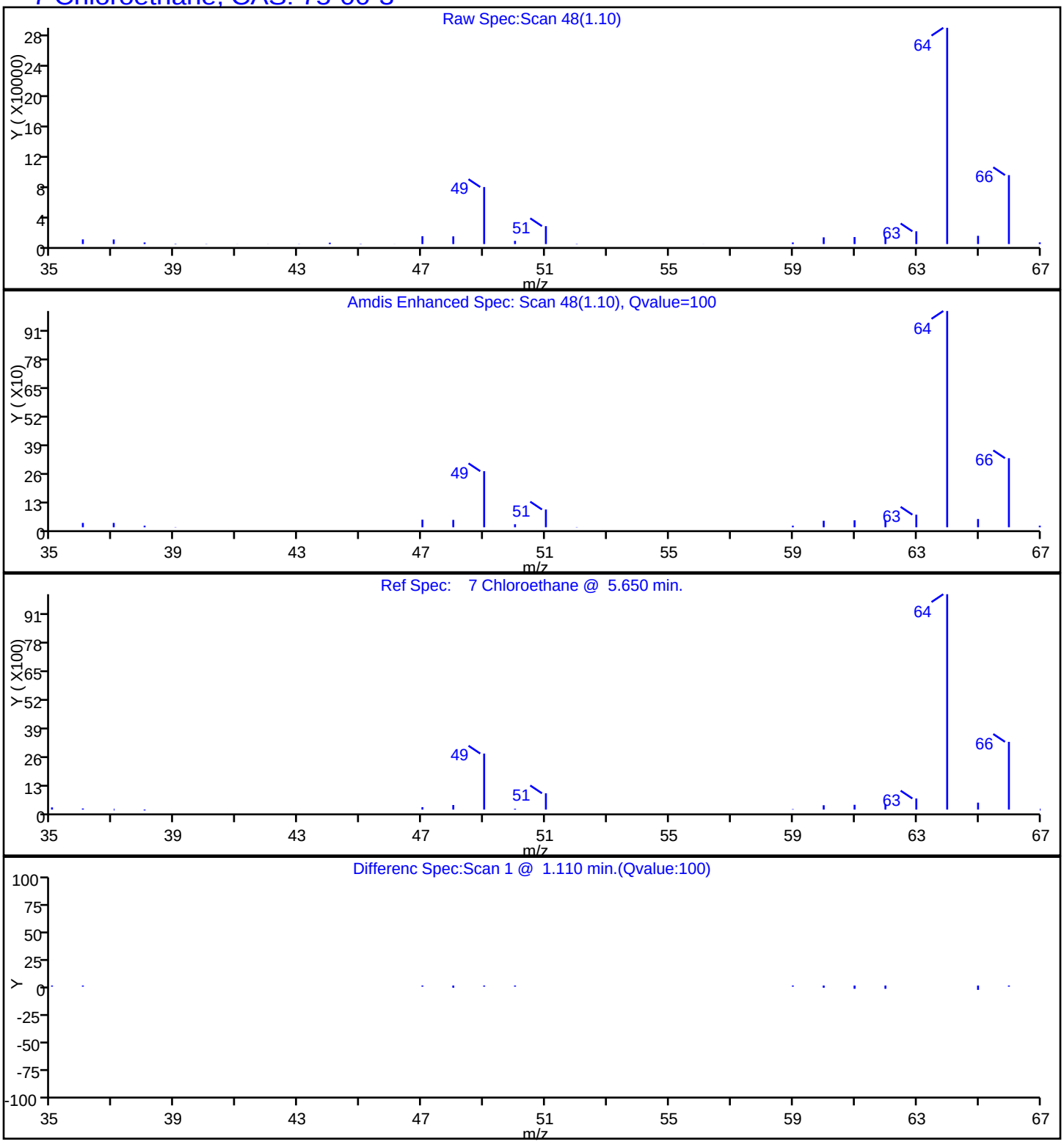
Report Date: 28-Apr-2017 20:40:51 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70120.D

Injection Date:	28-Apr-2017 17:01:30	Instrument ID:	CVOAMS5		
Lims ID:	460-131776-B-5	Lab Sample ID:	460-131776-5		
Client ID:	MW-31				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN		

7 Chloroethane, CAS: 75-00-3



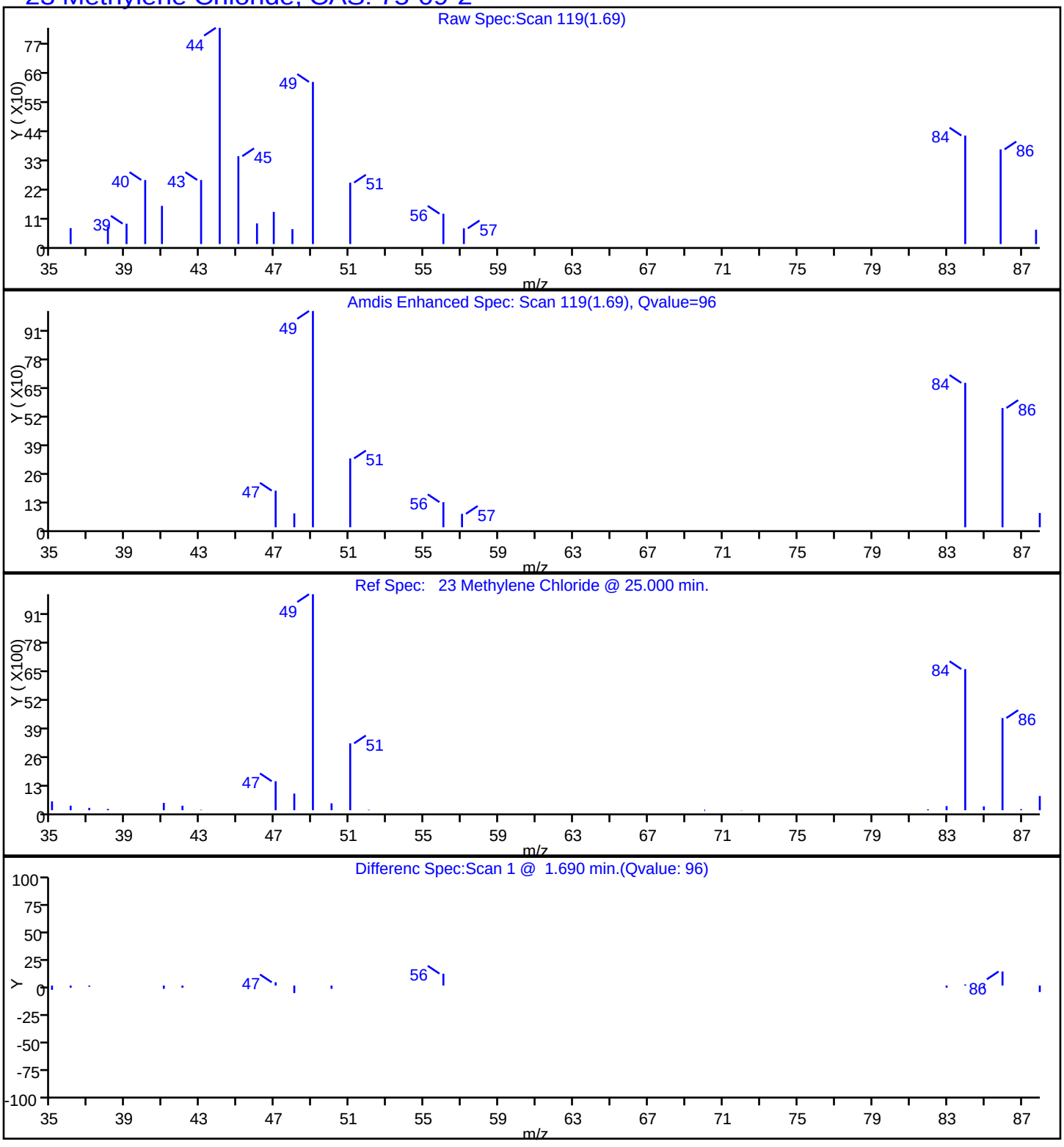
Report Date: 28-Apr-2017 20:40:51 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70120.D

Injection Date:	28-Apr-2017 17:01:30	Instrument ID:	CVOAMS5		
Lims ID:	460-131776-B-5	Lab Sample ID:	460-131776-5		
Client ID:	MW-31				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN		

23 Methylene Chloride, CAS: 75-09-2



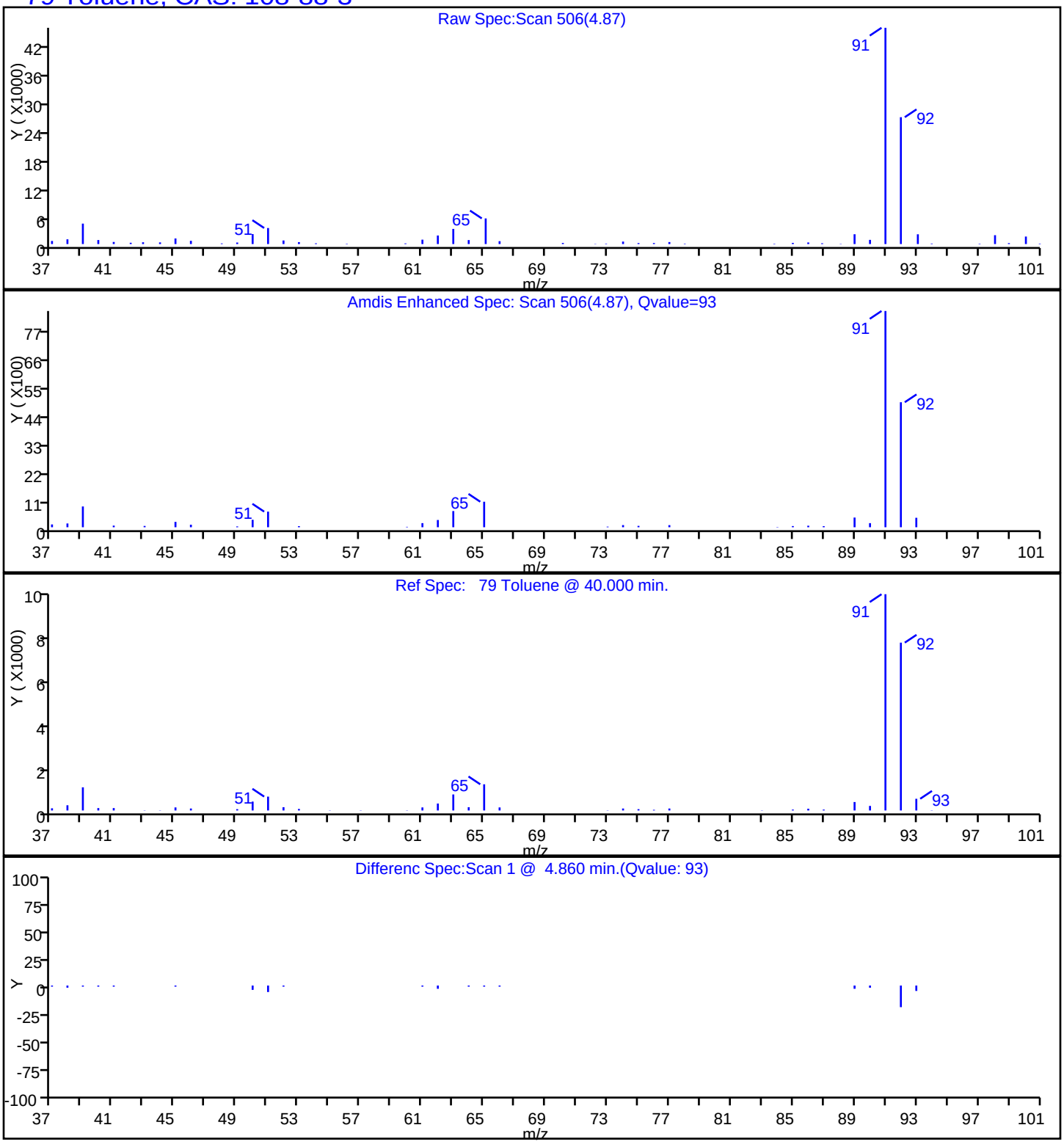
Report Date: 28-Apr-2017 20:40:51 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70120.D

Injection Date:	28-Apr-2017 17:01:30	Instrument ID:	CVOAMS5		
Lims ID:	460-131776-B-5	Lab Sample ID:	460-131776-5		
Client ID:	MW-31				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN		

79 Toluene, CAS: 108-88-3



Report Date: 28-Apr-2017 20:40:52 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70120.D

Injection Date: 28-Apr-2017 17:01:30 Instrument ID: CVOAMS5

Lims ID: 460-131776-B-5 Lab Sample ID: 460-131776-5

Client ID: MW-31

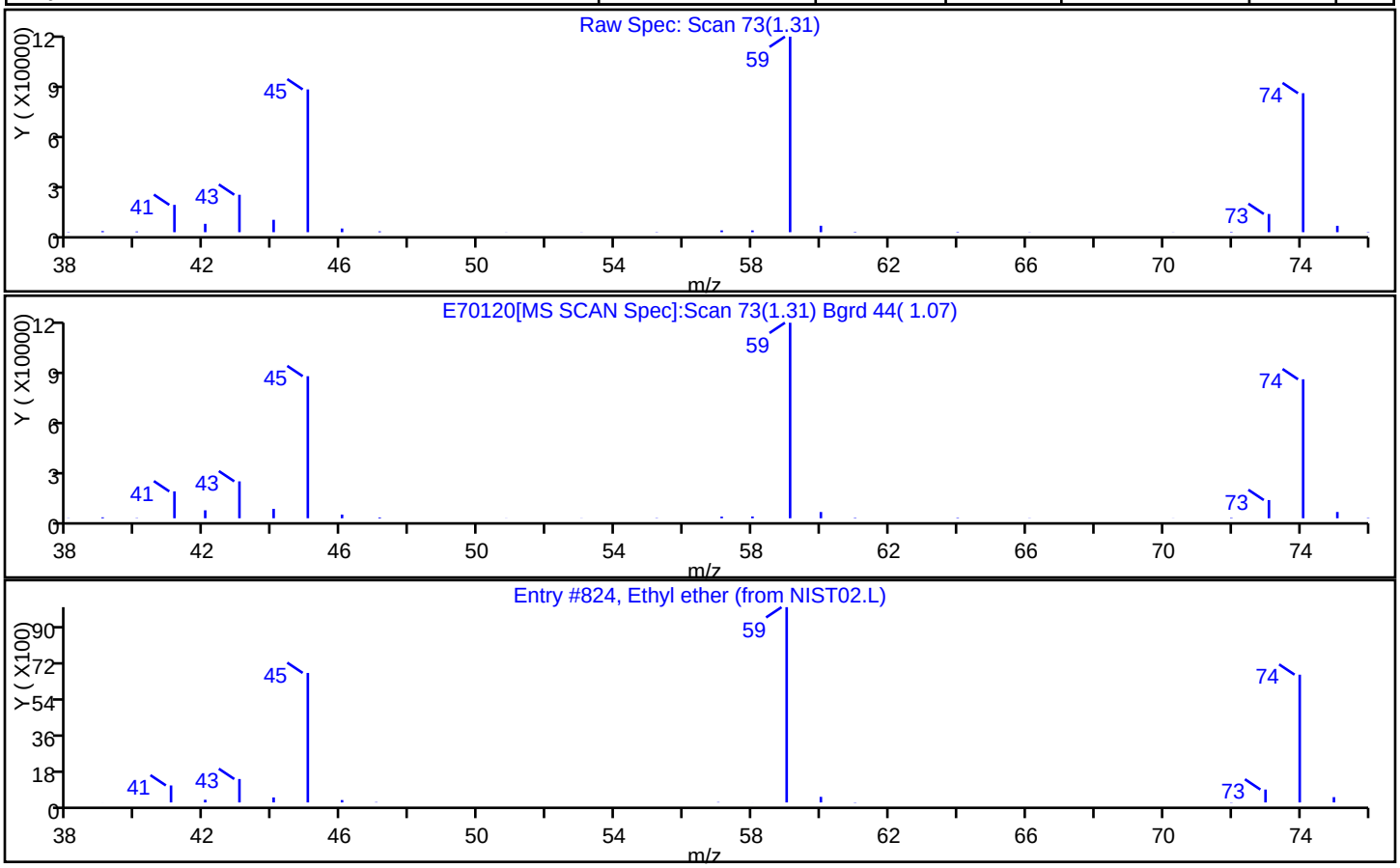
Operator ID: ALS Bottle#: 10 Worklist Smp#: 11

Purge Vol: 5.000 mL Dil. Factor: 2.0000

Method: 8260W_5 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: 28-Apr-2017 20:40:52 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70120.D

Injection Date: 28-Apr-2017 17:01:30 Instrument ID: CVOAMS5

Lims ID: 460-131776-B-5 Lab Sample ID: 460-131776-5

Client ID: MW-31

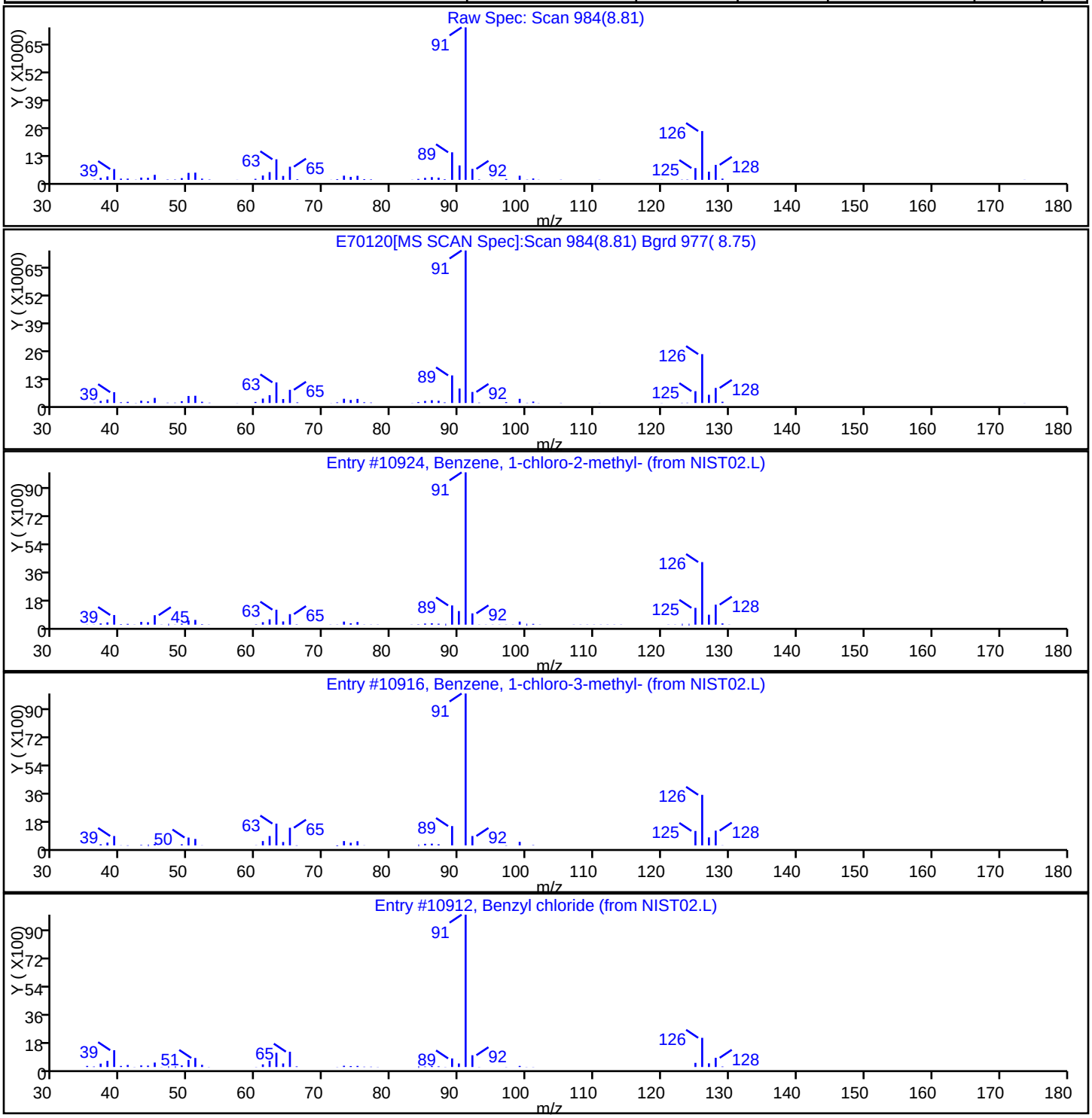
Operator ID: ALS Bottle#: 10 Worklist Smp#: 11

Purge Vol: 5.000 mL Dil. Factor: 2.0000

Method: 8260W_5 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	10924	C7H7Cl	126	97
Benzene, 1-chloro-3-methyl-	108-41-8	NIST02.L	10916	C7H7Cl	126	95
Benzyl chloride	100-44-7	NIST02.L	10912	C7H7Cl	126	83



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131776-1

SDG No.:

Client Sample ID: MW-54 | Lab Sample ID: 460-131776-6

Matrix: Water | Lab File ID: E70118.D

Analysis Method: 8260C | Date Collected: 04/18/2017 10:40

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 16:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433683 | 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	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	0.65	J	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	6.0		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.: 460-131776-1

SDG No.:

Client Sample ID: MW-54 Lab Sample ID: 460-131776-6

Matrix: Water Lab File ID: E70118.D

Analysis Method: 8260C Date Collected: 04/18/2017 10:40

Sample wt/vol: 5(mL) Date Analyzed: 04/28/2017 16:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 433683 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		74-132
460-00-4	Bromofluorobenzene	96		77-124
1868-53-7	Dibromofluoromethane (Surr)	102		72-131
2037-26-5	Toluene-d8 (Surr)	108		80-120

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

Lab Name: TestAmerica Edison | Job No.: 460-131776-1

SDG No.:

Client Sample ID: MW-54 | Lab Sample ID: 460-131776-6

Matrix: Water | Lab File ID: E70118.D

Analysis Method: 8260C | Date Collected: 04/18/2017 10:40

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 16:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433683 | 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\CVOAMS5\20170428-54412.b\E70118.D
Lims ID: 460-131776-B-6
Client ID: MW-54
Sample Type: Client
Inject. Date: 28-Apr-2017 16:09:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131776-B-6
Misc. Info.: 460-0054412-009
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Apr-2017 20:40:40 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: baronm Date: 28-Apr-2017 20:35:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 TBA-d9 (IS)	65	1.845	1.854	-0.009	98	194963	1000.0	
42 Chloroform	83	2.627	2.619	0.008	95	2299	0.6539	
$ 47 Dibromofluoromethane (Surr	113	2.743	2.742	0.001	97	75866	50.9	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	99	243904	250.0	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	96	95170	52.1	
* 61 Fluorobenzene	96	3.343	3.343	0.000	98	396841	50.0	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	94	23492	1000.0	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	99	311308	53.8	
82 Tetrachloroethene	166	5.286	5.285	0.001	95	12533	6.04	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	88	292469	50.0	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	86	94049	48.2	
* 119 1,4-Dichlorobenzene-d4	152	10.125	10.124	0.001	97	165873	50.0	

Reagents:

8260ISNEW_00111 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00155 Amount Added: 1.00 Units: uL Run Reagent

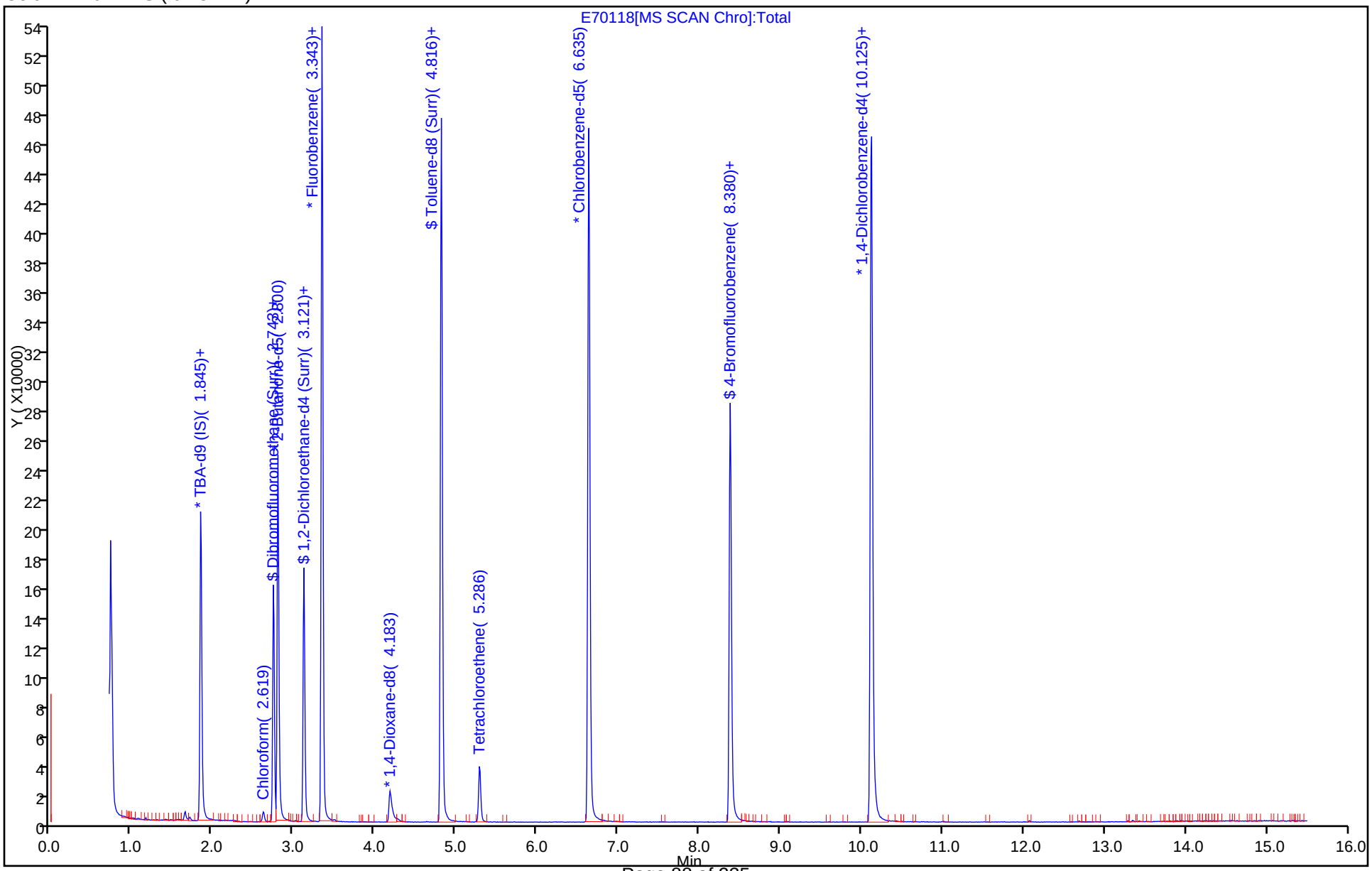
Report Date: 28-Apr-2017 20:40:49 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70118.D

Injection Date:	28-Apr-2017 16:09:30	Instrument ID:	CVOAMS5	Operator ID:	
Lims ID:	460-131776-B-6	Lab Sample ID:	460-131776-6	Worklist Smp#:	9
Client ID:	MW-54				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-VMS (0.18 mm)



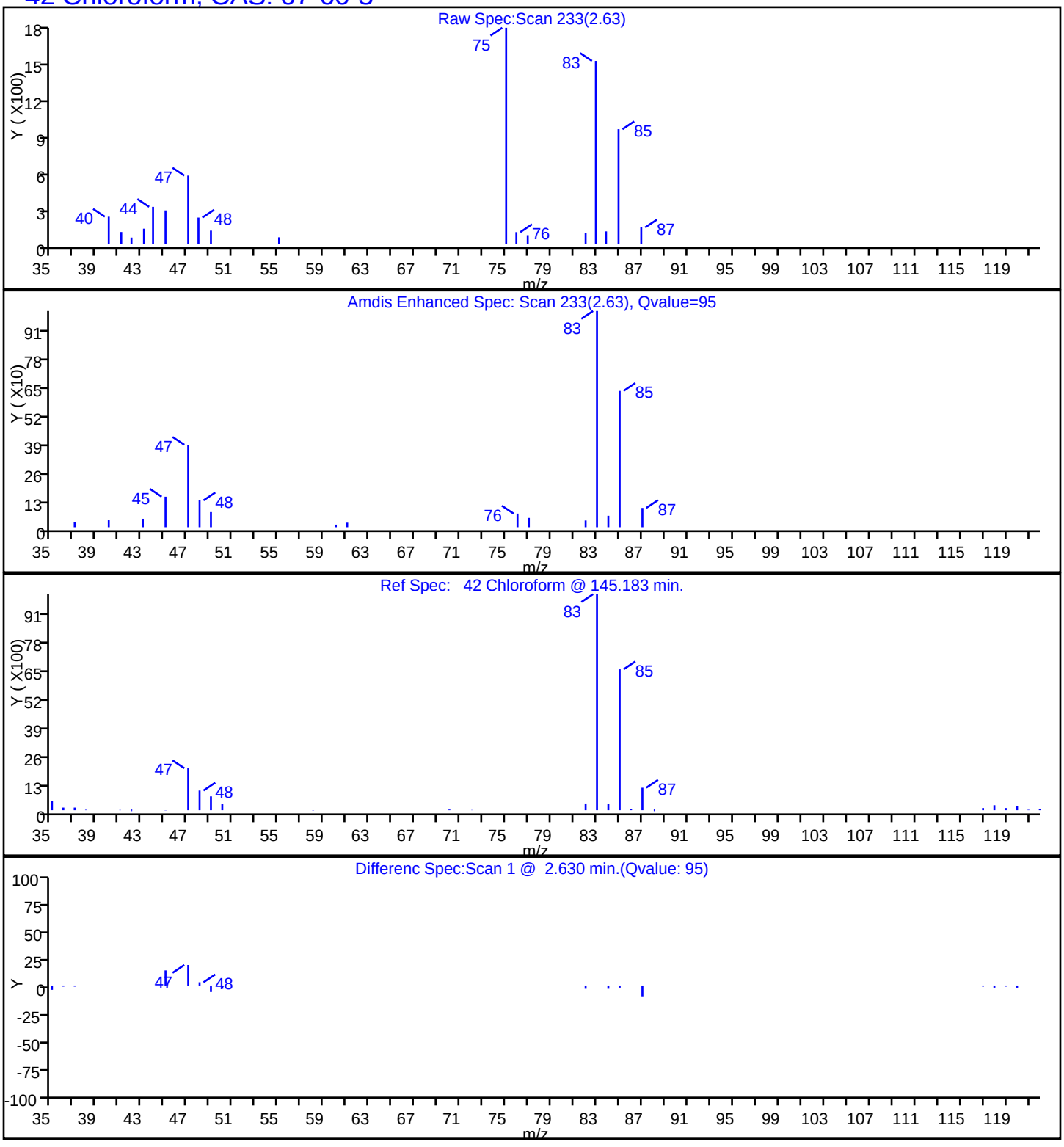
Report Date: 28-Apr-2017 20:40:49 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70118.D

Injection Date:	28-Apr-2017 16:09:30	Instrument ID:	CVOAMS5
Lims ID:	460-131776-B-6	Lab Sample ID:	460-131776-6
Client ID:	MW-54		
Operator ID:		ALS Bottle#:	8 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN

42 Chloroform, CAS: 67-66-3



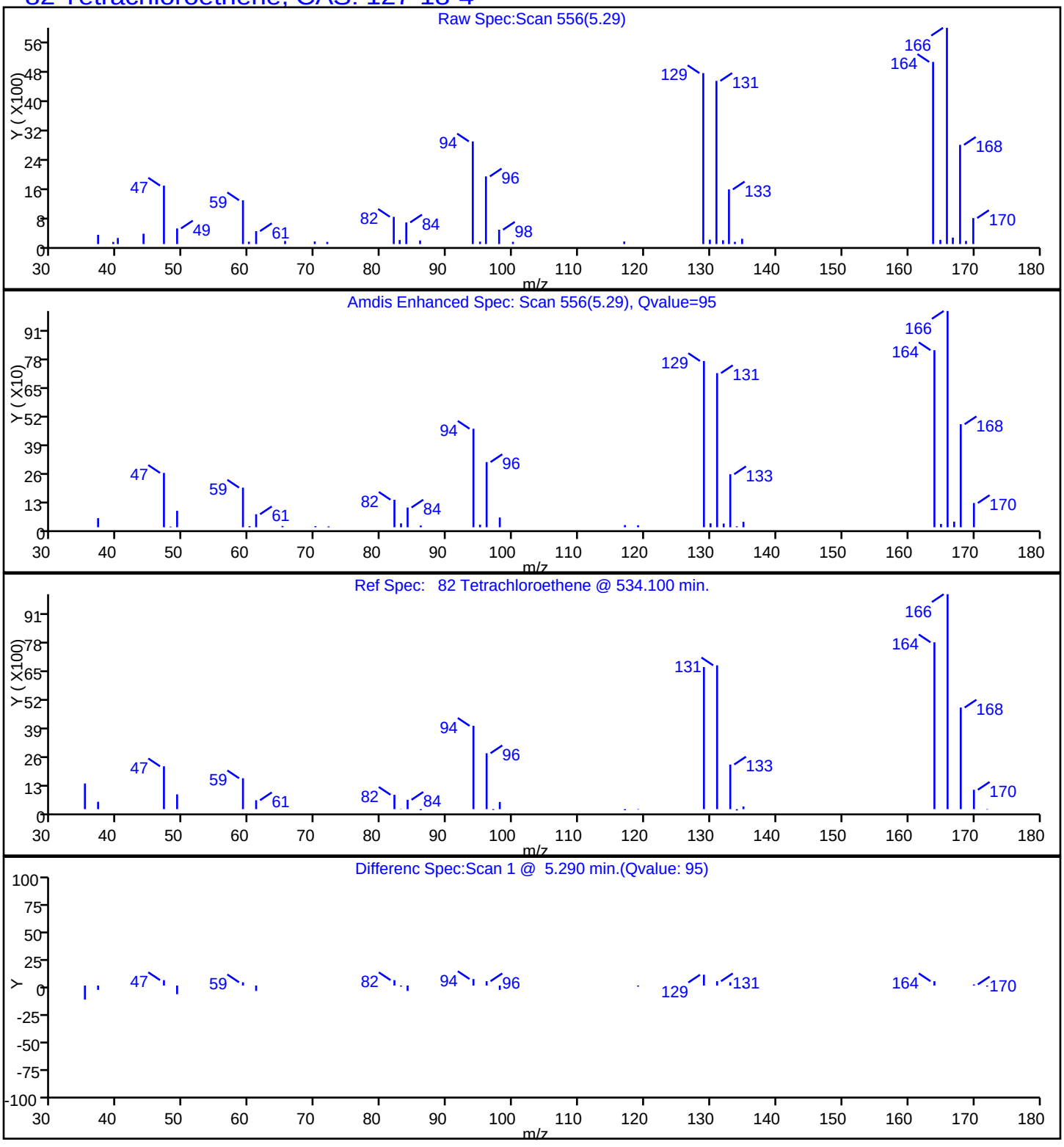
Report Date: 28-Apr-2017 20:40:49 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70118.D

Injection Date:	28-Apr-2017 16:09:30	Instrument ID:	CVOAMS5		
Lims ID:	460-131776-B-6	Lab Sample ID:	460-131776-6		
Client ID:	MW-54				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN		

82 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131776-1

SDG No.:

Client Sample ID: TB-9 | Lab Sample ID: 460-131776-7

Matrix: Water | Lab File ID: E70097.D

Analysis Method: 8260C | Date Collected: 04/18/2017 09:55

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 07:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433504 | 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	0.25	J	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	2.4		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.: 460-131776-1

SDG No.:

Client Sample ID: TB-9 Lab Sample ID: 460-131776-7

Matrix: Water Lab File ID: E70097.D

Analysis Method: 8260C Date Collected: 04/18/2017 09:55

Sample wt/vol: 5(mL) Date Analyzed: 04/28/2017 07:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 433504 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		74-132
460-00-4	Bromofluorobenzene	84		77-124
1868-53-7	Dibromofluoromethane (Surr)	89		72-131
2037-26-5	Toluene-d8 (Surr)	97		80-120

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

Lab Name: TestAmerica Edison | Job No.: 460-131776-1

SDG No.:

Client Sample ID: TB-9 | Lab Sample ID: 460-131776-7

Matrix: Water | Lab File ID: E70097.D

Analysis Method: 8260C | Date Collected: 04/18/2017 09:55

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 07:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433504 | 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\CVOAMS5\20170427-54375.b\E70097.D
Lims ID: 460-131776-A-7
Client ID: TB-9
Sample Type: Client
Inject. Date: 28-Apr-2017 07:04:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131776-A-7
Misc. Info.: 460-0054375-018
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Apr-2017 13:08:28 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: martineze Date: 28-Apr-2017 13:08:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 TBA-d9 (IS)	65	1.845	1.845	0.000	98	233654	1000.0	
34 1,1-Dichloroethane	63	2.109	2.109	0.000	98	1093	0.2450	
$ 47 Dibromofluoromethane (Surr	113	2.742	2.743	0.000	96	77109	44.4	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	99	288866	250.0	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	97	100298	47.1	
* 61 Fluorobenzene	96	3.343	3.343	0.000	98	462719	50.0	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	95	28037	1000.0	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	100	322219	48.6	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	88	335147	50.0	
93 Chlorobenzene	112	6.660	6.652	0.008	93	15729	2.41	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	86	93848	42.0	
* 119 1,4-Dichlorobenzene-d4	152	10.125	10.125	0.000	97	186397	50.0	

Reagents:

8260ISNEW_00111 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00155 Amount Added: 1.00 Units: uL Run Reagent

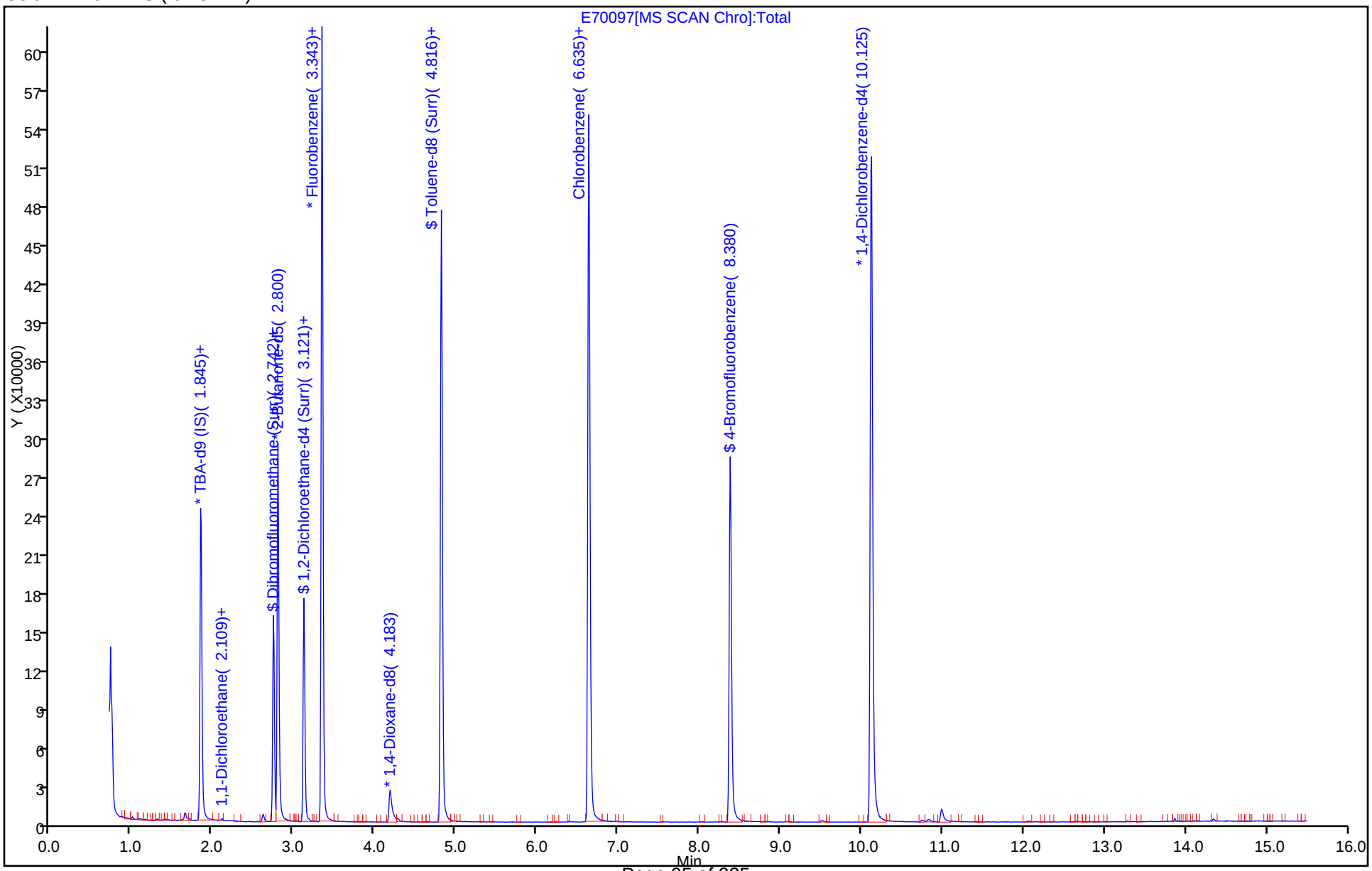
Report Date: 28-Apr-2017 13:08:29 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70097.D

Injection Date:	28-Apr-2017 07:04:30	Instrument ID:	CVOAMS5	Operator ID:	
Lims ID:	460-131776-A-7	Lab Sample ID:	460-131776-7	Worklist Smp#:	18
Client ID:	TB-9				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-VMS (0.18 mm)



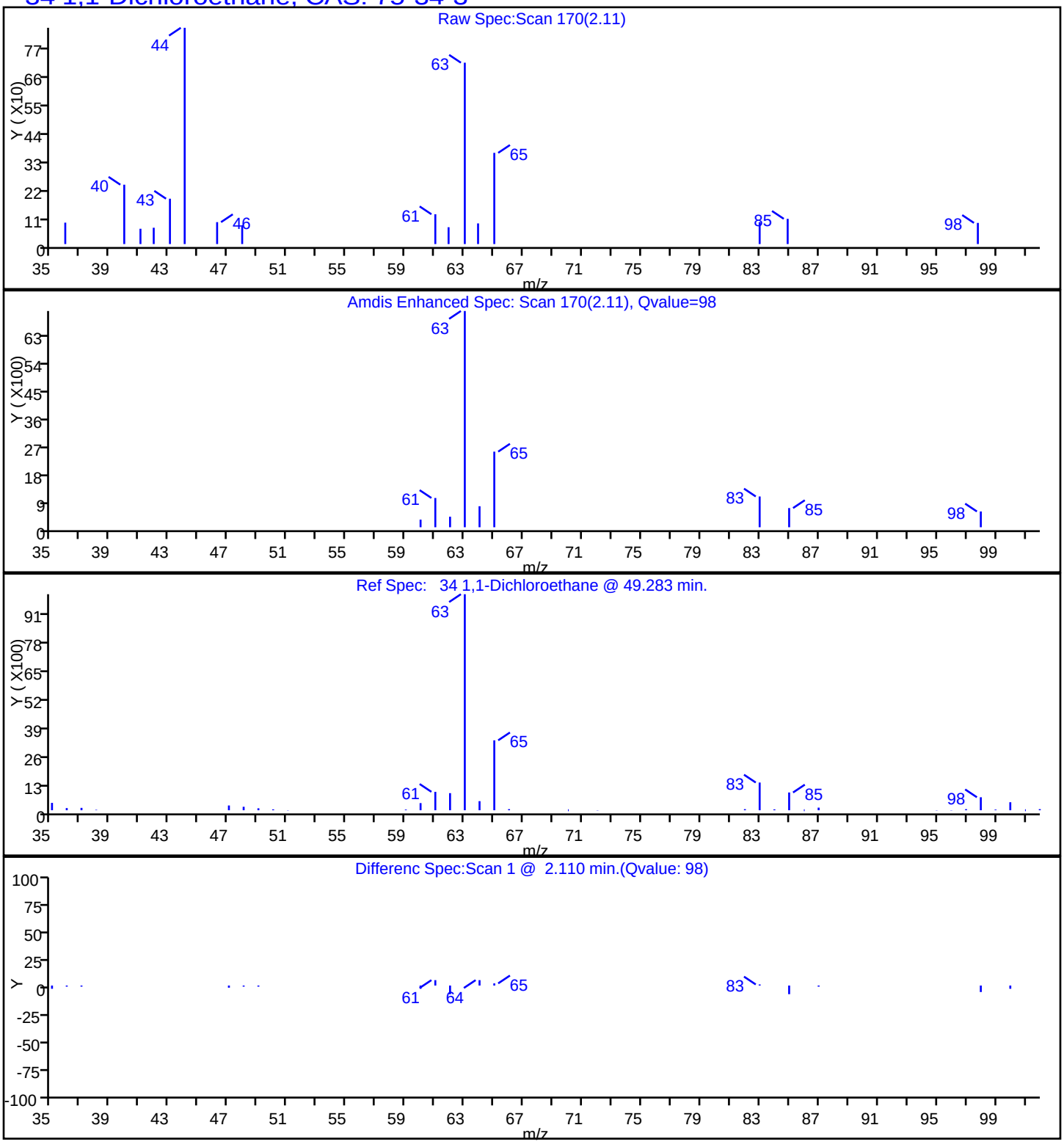
Report Date: 28-Apr-2017 13:08:29 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70097.D

Injection Date:	28-Apr-2017 07:04:30	Instrument ID:	CVOAMS5		
Lims ID:	460-131776-A-7	Lab Sample ID:	460-131776-7		
Client ID:	TB-9				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN		

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



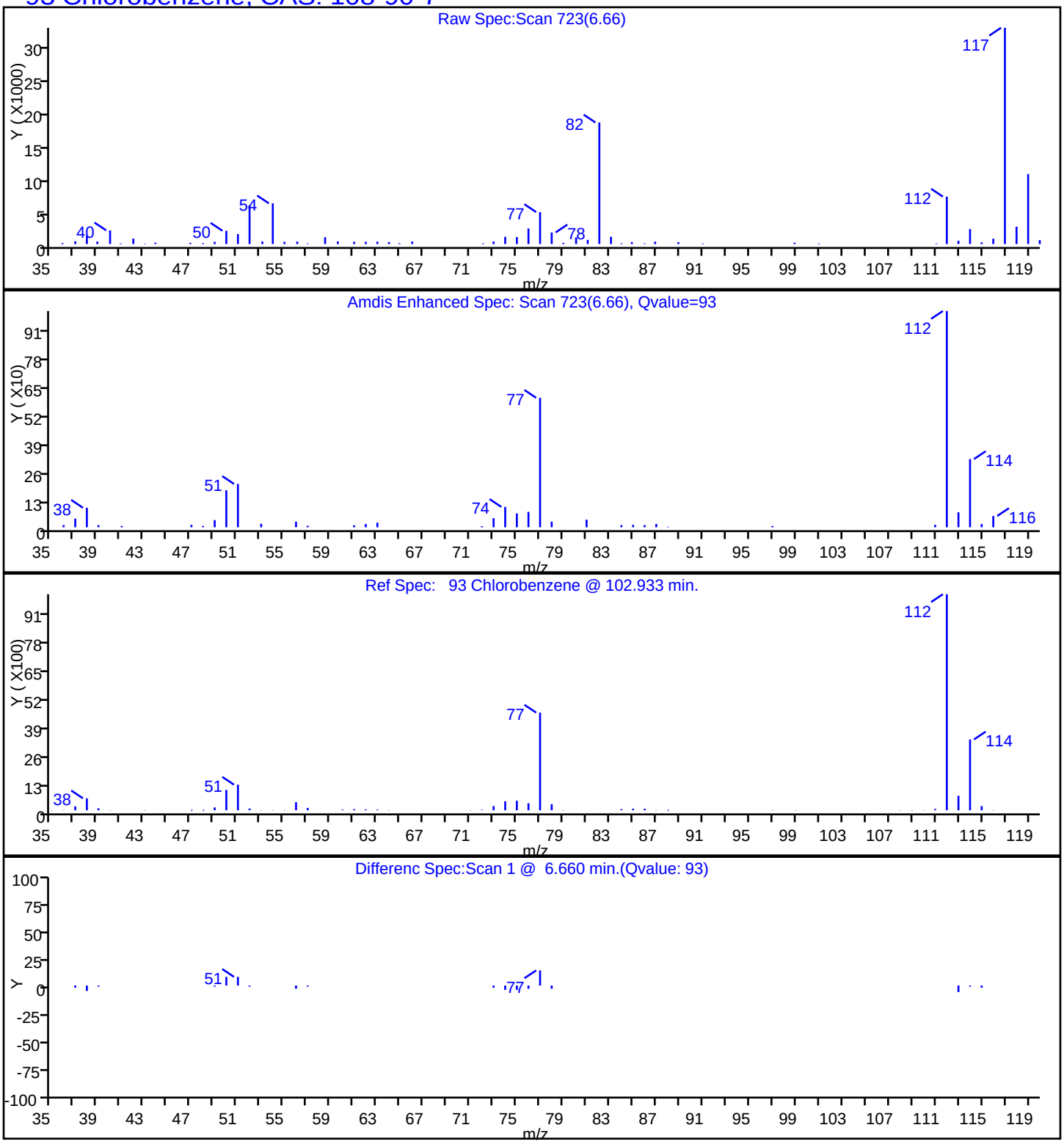
Report Date: 28-Apr-2017 13:08:29 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70097.D

Injection Date:	28-Apr-2017 07:04:30	Instrument ID:	CVOAMS5		
Lims ID:	460-131776-A-7	Lab Sample ID:	460-131776-7		
Client ID:	TB-9				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN		

93 Chlorobenzene, CAS: 108-90-7



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131776-1

SDG No.:

Client Sample ID: MW-71 | Lab Sample ID: 460-131776-8

Matrix: Water | Lab File ID: E70098.D

Analysis Method: 8260C | Date Collected: 04/18/2017 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 07:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433504 | 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	2.1		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	5.3		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	69		1.0	0.24
75-00-3	Chloroethane	0.74	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
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.: 460-131776-1

SDG No.:

Client Sample ID: MW-71 Lab Sample ID: 460-131776-8

Matrix: Water Lab File ID: E70098.D

Analysis Method: 8260C Date Collected: 04/18/2017 11:30

Sample wt/vol: 5(mL) Date Analyzed: 04/28/2017 07:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 433504 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		74-132
460-00-4	Bromofluorobenzene	105		77-124
1868-53-7	Dibromofluoromethane (Surr)	115		72-131
2037-26-5	Toluene-d8 (Surr)	117		80-120

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

Lab Name: TestAmerica Edison | Job No.: 460-131776-1

SDG No.:

Client Sample ID: MW-71 | Lab Sample ID: 460-131776-8

Matrix: Water | Lab File ID: E70098.D

Analysis Method: 8260C | Date Collected: 04/18/2017 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 07:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433504 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 17

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
60-29-7	Ethyl ether	1.31	17	J N	90%

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70098.D
Lims ID: 460-131776-A-8
Client ID: MW-71
Sample Type: Client
Inject. Date: 28-Apr-2017 07:30:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131776-A-8
Misc. Info.: 460-0054375-019
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Apr-2017 20:17:17 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: martineze Date: 28-Apr-2017 13:10:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
7 Chloroethane	64	1.105	1.105	0.000	97	1166	0.7370	
* 29 TBA-d9 (IS)	65	1.845	1.845	0.000	99	218412	1000.0	
34 1,1-Dichloroethane	63	2.109	2.109	0.000	99	8123	2.05	
$ 47 Dibromofluoromethane (Surr	113	2.742	2.743	0.000	96	88318	57.3	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	99	262525	250.0	
54 Benzene	78	3.022	3.014	0.008	96	42970	5.33	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	96	108720	57.5	
* 61 Fluorobenzene	96	3.343	3.343	0.000	98	410737	50.0	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	94	25349	1000.0	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	99	348986	58.6	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	88	301045	50.0	
93 Chlorobenzene	112	6.652	6.652	0.000	94	402404	68.7	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	86	105663	52.6	
* 119 1,4-Dichlorobenzene-d4	152	10.124	10.125	-0.001	97	168866	50.0	

Reagents:

8260ISNEW_00111	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00155	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Edison
Tentatively Identified Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70098.D				
Lims ID:	460-131776-A-8				
Client ID:	MW-71				
Sample Type:	Client				
Inject. Date:	28-Apr-2017 07:30:30	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-131776-A-8				
Misc. Info.:	460-0054375-019				
Operator ID:		Instrument ID:	CVOAMS5		
Method:	\\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\8260W_5.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	28-Apr-2017 20:17:17	Calib Date:	20-Apr-2017 02:57:30		
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:	50				
Column 1 :	Rtx-VMS (0.18 mm)		Det: MS SCAN		
Process Host:	XAWRK028				
First Level Reviewer: martineze		Date:	28-Apr-2017 13:10:14		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
60-29-7 Ethyl ether								
1.310	285573	16.6	61	90	825	C4H10O	74	

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 61 Fluorobenzene	3.343	860844	50.0

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00111	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00155	Amount Added:	1.00	Units: uL	Run Reagent

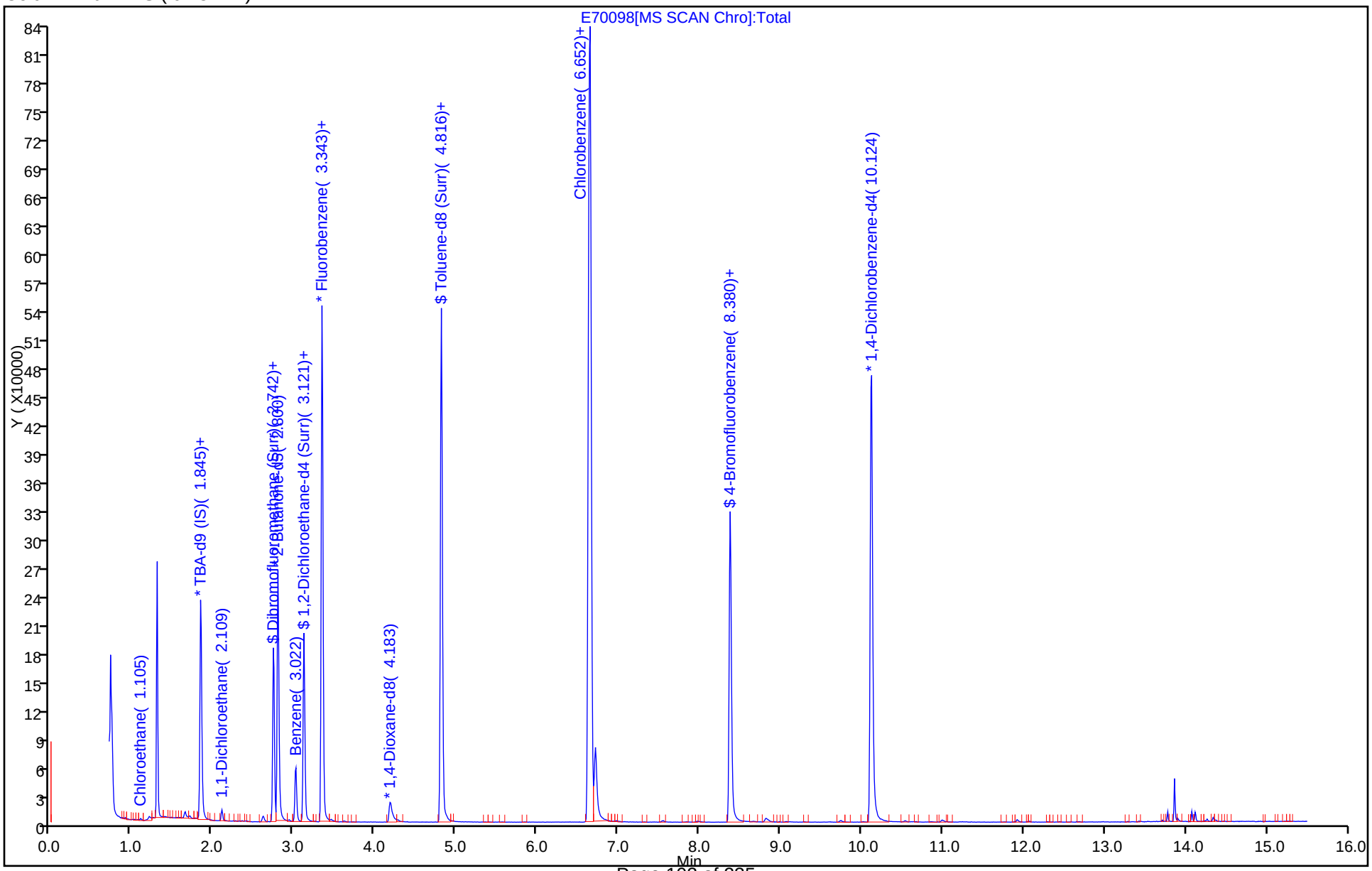
Report Date: 28-Apr-2017 20:17:48 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70098.D

Injection Date:	28-Apr-2017 07:30:30	Instrument ID:	CVOAMS5	Operator ID:	
Lims ID:	460-131776-A-8	Lab Sample ID:	460-131776-8	Worklist Smp#:	19
Client ID:	MW-71				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-VMS (0.18 mm)



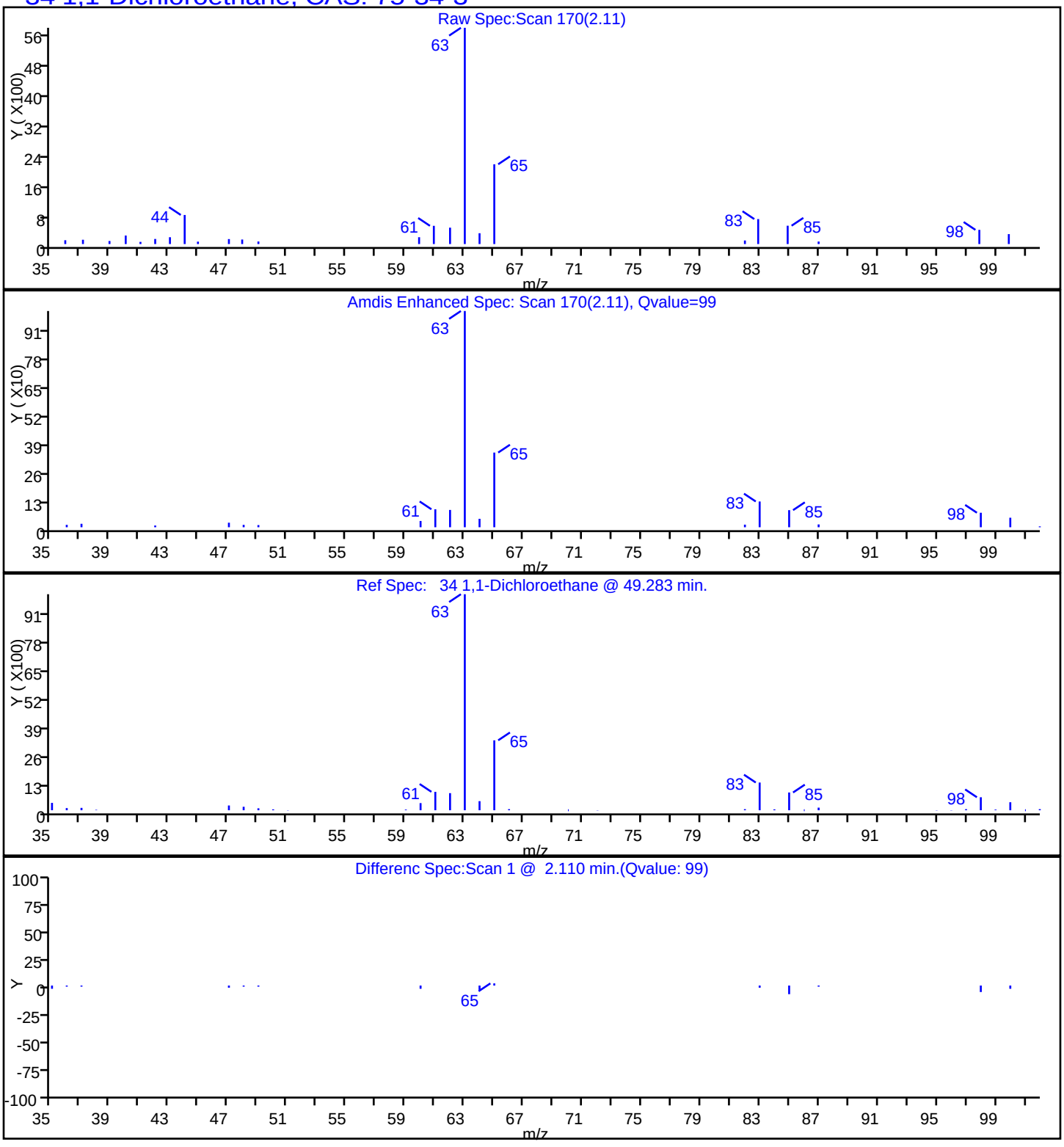
Report Date: 28-Apr-2017 20:17:49 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70098.D

Injection Date:	28-Apr-2017 07:30:30	Instrument ID:	CVOAMS5		
Lims ID:	460-131776-A-8	Lab Sample ID:	460-131776-8		
Client ID:	MW-71				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN		

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



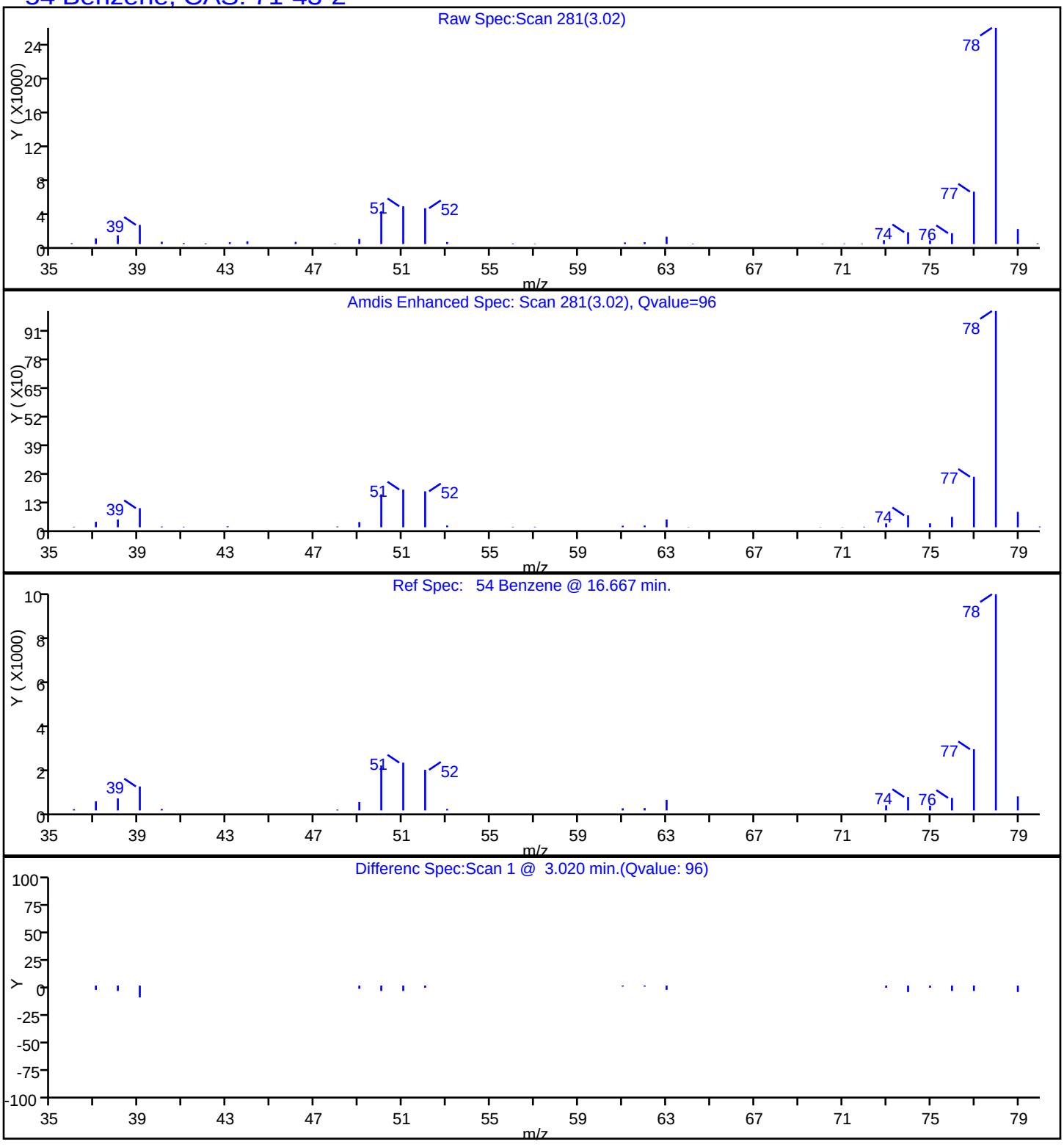
Report Date: 28-Apr-2017 20:17:49 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70098.D

Injection Date:	28-Apr-2017 07:30:30	Instrument ID:	CVOAMS5		
Lims ID:	460-131776-A-8	Lab Sample ID:	460-131776-8		
Client ID:	MW-71				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN		

54 Benzene, CAS: 71-43-2



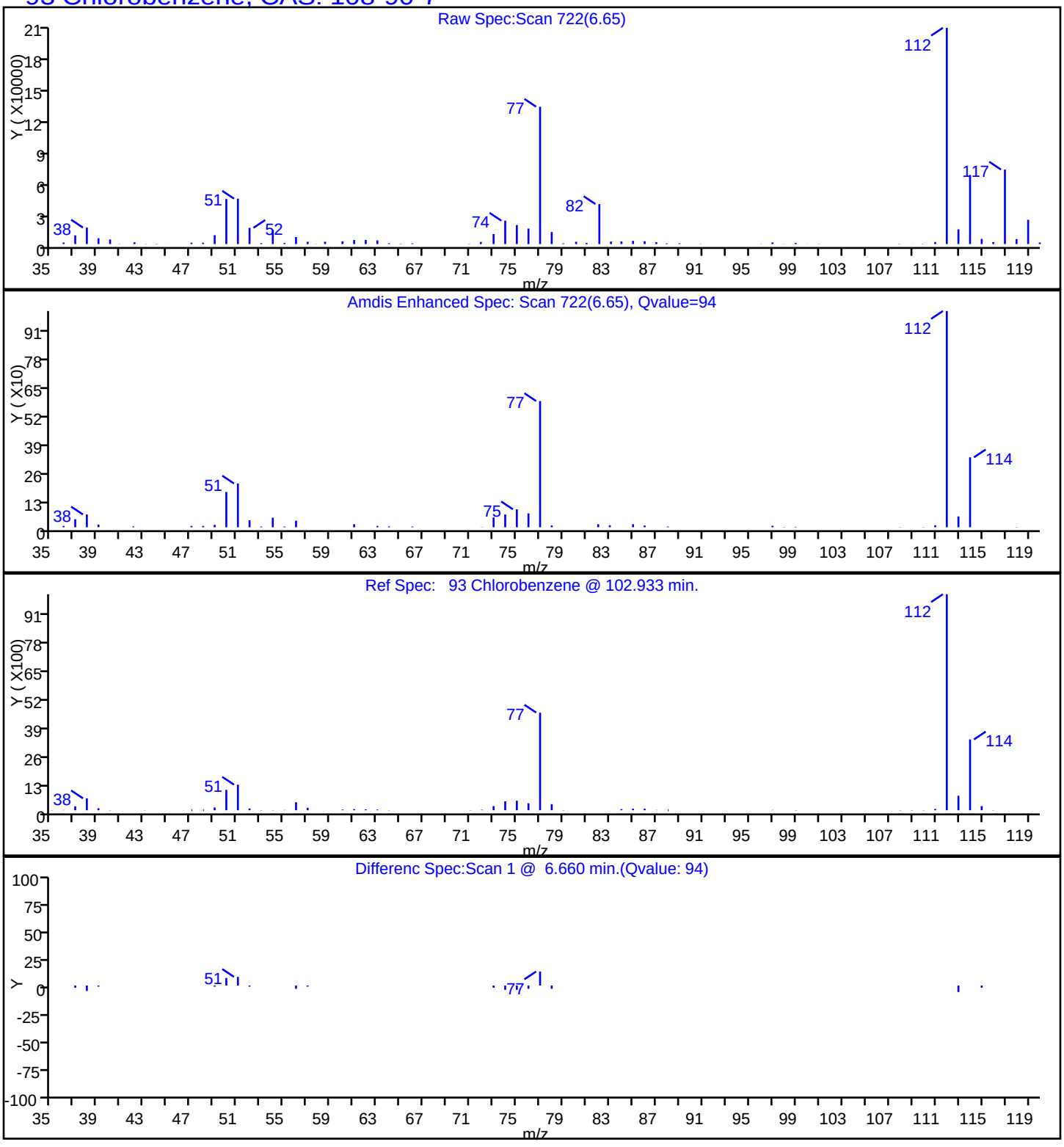
Report Date: 28-Apr-2017 20:17:49 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70098.D

Injection Date:	28-Apr-2017 07:30:30	Instrument ID:	CVOAMS5		
Lims ID:	460-131776-A-8	Lab Sample ID:	460-131776-8		
Client ID:	MW-71				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN		

93 Chlorobenzene, CAS: 108-90-7



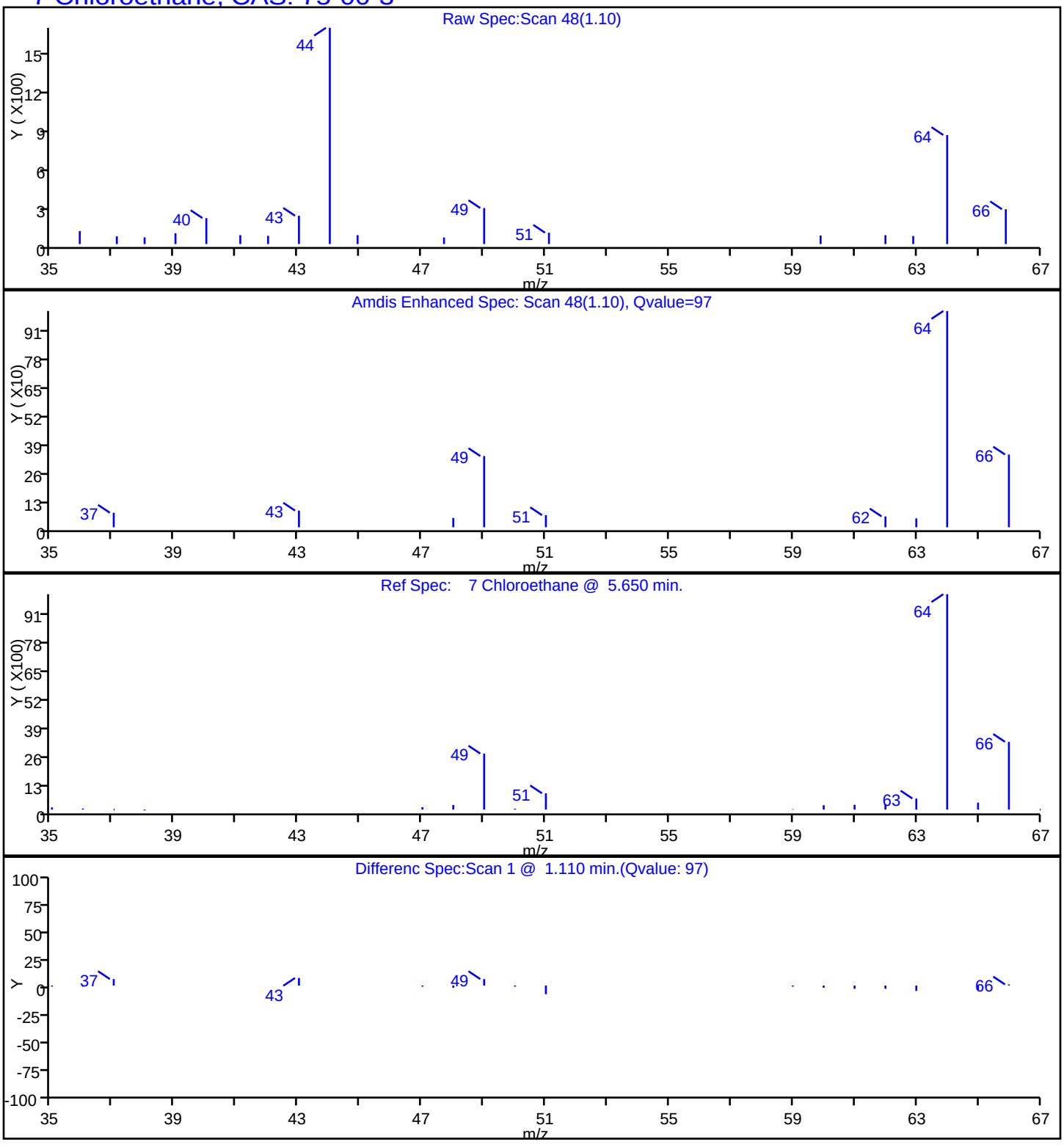
Report Date: 28-Apr-2017 20:17:48 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70098.D

Injection Date:	28-Apr-2017 07:30:30	Instrument ID:	CVOAMS5		
Lims ID:	460-131776-A-8	Lab Sample ID:	460-131776-8		
Client ID:	MW-71				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-VMS (0.18 mm)	Detector	MS SCAN		

7 Chloroethane, CAS: 75-00-3



Report Date: 28-Apr-2017 20:17:49 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70098.D

Injection Date: 28-Apr-2017 07:30:30 Instrument ID: CVOAMS5

Lims ID: 460-131776-A-8 Lab Sample ID: 460-131776-8

Client ID: MW-71

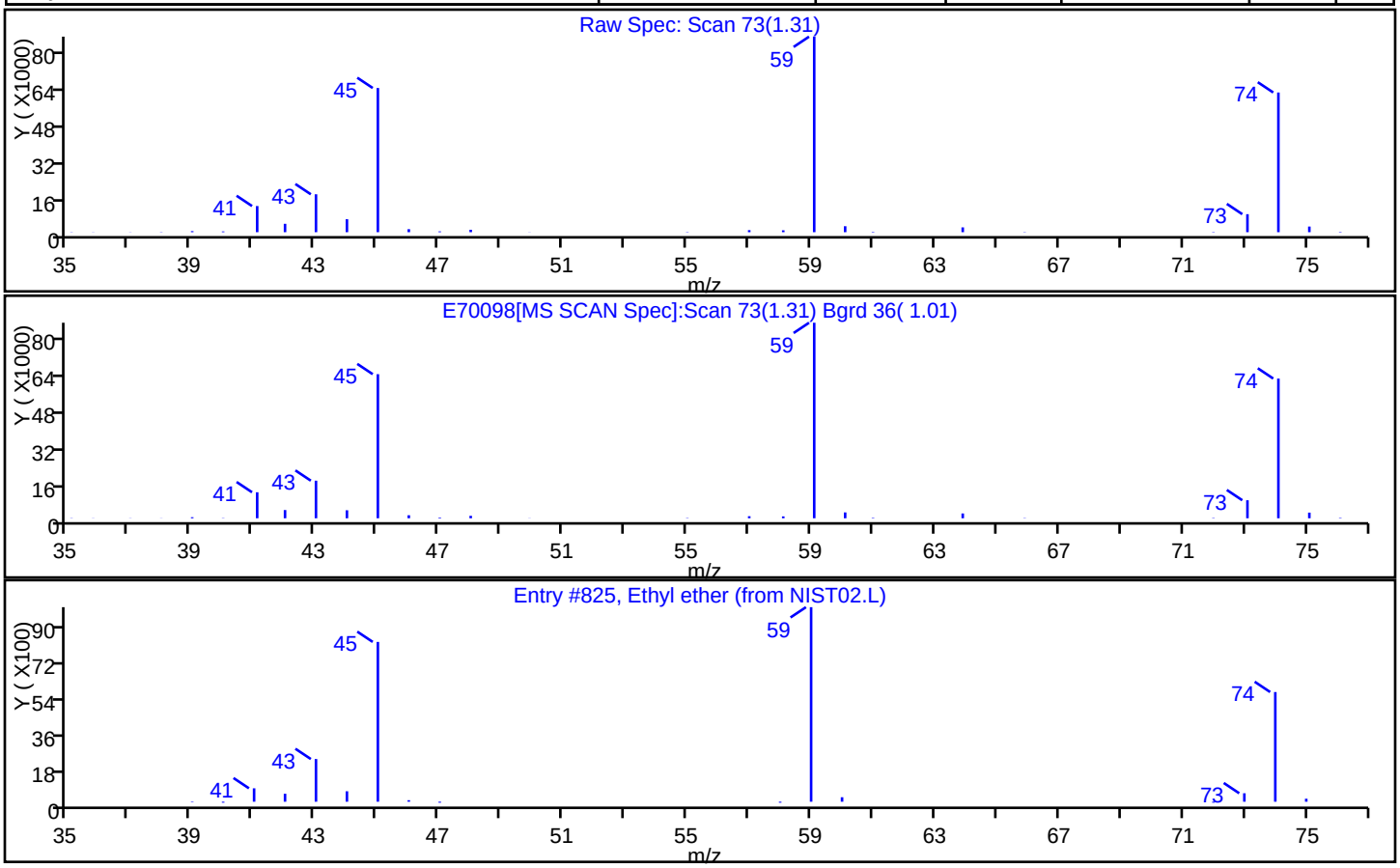
Operator ID: ALS Bottle#: 18 Worklist Smp#: 19

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_5 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	825	C4H10O	74	90



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

Lab Name: TestAmerica Edison Job No.: 460-131776-1 Analy Batch No.: 431606

SDG No.:

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2017 21:44 Calibration End Date: 04/20/2017 02:57 Calibration ID: 62014

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-431606/2	E68850.D
Level 2	STD05 460-431606/3	E68851.D
Level 3	STD1 460-431606/4	E68852.D
Level 4	STD5 460-431606/5	E68853.D
Level 5	STD20 460-431606/13	E68862.D
Level 6	STD50 460-431606/7	E68855.D
Level 7	STD200 460-431606/8	E68856.D
Level 8	STD500 460-431606/9	E68857.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	+++++ 0.0403	0.0578 0.0484	0.0566 0.0504	0.0488	0.0430	Ave		0.0493				13.1		20.0			
Dichlorodifluoromethane	+++++ 0.3204	0.4916 0.3406	0.3653 0.3325	0.3402	0.3538	Ave		0.3635			0.1000	16.0		20.0			
Vinyl chloride	+++++ 0.3017	0.4341 0.3235	0.3778 0.3146	0.3183	0.3139	Ave		0.3406			0.1000	14.1		20.0			
Butadiene	+++++ 0.2473	0.3696 0.2829	0.2763 0.2765	0.2689	0.2640	Ave		0.2836				14.0		20.0			
Chloromethane	+++++ 0.4065	0.5671 0.4512	0.4568 0.4393	0.3968	0.4315	Ave		0.4499			0.1000	12.5		20.0			
Bromomethane	+++++ 0.1940	0.2129 0.2041	0.1980 0.1743	0.1774	0.1937	Ave		0.1935			0.1000	7.1		20.0			
Chloroethane	+++++ 0.1903	0.2442 0.1967	0.2064 0.1378	0.1844	0.1882	Ave		0.1926			0.1000	16.4		20.0			
Pentane	+++++ 0.0421	0.0651 0.0486	0.0458 +++++	0.0456	0.0474	Ave		0.0491				16.6		20.0			
Trichlorofluoromethane	+++++ 0.3847	0.4990 0.3946	0.4445 0.3749	0.3927	0.4112	Ave		0.4145			0.1000	10.5		20.0			
Dichlorofluoromethane	+++++ 0.4154	0.4247 0.4574	0.3662 0.4444	0.3607	0.4327	Ave		0.4145				9.0		20.0			
2-Methyl-1,3-butadiene	+++++ 0.3399	0.4867 0.3884	0.3456 0.4053	0.3328	0.3490	Ave		0.3783				14.5		20.0			
Ethyl ether	+++++ 0.2120	0.2705 0.2246	0.2693 0.2290	0.2167	0.2197	Ave		0.2345				10.6		20.0			
Ethanol	+++++ 0.0603	0.1220 0.0607	0.0975 0.0600	0.0763	0.0532	QuaF		0.0609	0						1.0000		0.9900
1,1-Dichloroethene	+++++ 0.2106	0.3222 0.2326	0.2589 0.2443	0.2183	0.2235	Ave		0.2443			0.1000	15.6		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.: 460-131776-1 Analy Batch No.: 431606

SDG No.:

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2017 21:44 Calibration End Date: 04/20/2017 02:57 Calibration ID: 62014

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.2692	0.3407 0.2921	0.3333 0.2700	0.2743	0.2814	Ave		0.2944				10.2		20.0			
Carbon disulfide	+++++ 0.7330	1.0252 0.8161	0.8467 0.8450	0.7466	0.7713	Ave		0.8263			0.1000	12.0		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.1970	0.2093 0.2224	0.1910 0.2470	0.1773	0.2244	Ave		0.2098			0.1000	11.2		20.0			
Iodomethane	+++++ 0.3495	0.3466 0.4032	0.3102 0.4111	0.3035	0.3773	Ave		0.3573				11.8		20.0			
Cyclopentene	+++++ 0.5629	0.8221 0.6133	0.6074 0.6821	0.5792	0.5856	Ave		0.6361				14.2		20.0			
Acrolein	+++++ 1.2032	1.7386 1.4040	1.2486 1.4033	1.1643	1.0817	Ave		1.3205				16.6		20.0			
Allyl chloride	+++++ 0.1404	0.1778 0.1238	0.1615 0.1331	0.1412	0.1413	Ave		0.1456				12.5		20.0			
Isopropyl alcohol	+++++ 0.6142	1.3640 0.6056	0.8945 0.6105	0.6613	0.5820	Lin2	3.7169	0.5877							0.9960		0.9900
Methylene Chloride	+++++ 0.2593	0.3385 0.2741	0.2945 0.2724	0.2713	0.2677	Ave		0.2825			0.1000	9.5		20.0			
Acetone	+++++ 0.1966	0.4798 0.2249	0.2984 0.2301	0.2236	0.1969	Qua2	0.6919	0.1891	0.0000189		0.0500				0.9930		0.9900
trans-1,2-Dichloroethene	+++++ 0.2430	0.3361 0.2582	0.2894 0.2702	0.2576	0.2500	Ave		0.2721			0.1000	11.8		20.0			
Methyl acetate	+++++ 1.6257	1.3827 1.6358	1.3861 1.4527	1.7039	1.6458	Ave		1.5475			0.1000	8.8		20.0			
Hexane	+++++ 0.4510	0.4670 0.4795	0.4725 0.4967	0.4173	0.4964	Ave		0.4686				5.9		20.0			
Methyl tert-butyl ether	+++++ 0.7577	0.9237 0.7975	0.8263 0.8103	0.7650	0.7809	Ave		0.8088			0.1000	6.9		20.0			
2-Methyl-2-propanol	+++++ 1.0607	2.2839 1.0759	1.7638 1.0666	1.3345	1.0635	Lin2	6.1655	1.0898							0.9960		0.9900
Acetonitrile	+++++ 1.3833	2.0871 1.4017	1.6723 1.3034	1.5465	1.2103	Ave		1.5149				19.4		20.0			
Isopropyl ether	+++++ 0.8057	1.1344 0.8360	0.8462 0.8189	0.8052	0.7895	Ave		0.8623				14.1		20.0			
2-Chloro-1,3-butadiene	+++++ 0.2243	0.2977 0.2392	0.2396 0.2363	0.2192	0.2208	Ave		0.2396				11.3		20.0			
1,1-Dichloroethane	+++++ 0.4503	0.5640 0.4729	0.4830 0.4881	0.4596	0.4561	Ave		0.4820			0.2000	8.0		20.0			
Acrylonitrile	0.1012 0.0967	0.1129 0.1051	0.1044 0.1080	0.0907	0.1037	Ave		0.1028				6.6		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.: 460-131776-1 Analy Batch No.: 431606

SDG No.:

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2017 21:44 Calibration End Date: 04/20/2017 02:57 Calibration ID: 62014

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Tert-butyl ethyl ether	+++++ 0.8142	1.0207 0.8606	0.8567 0.8714	0.8091	0.7301	Ave		0.8518				10.4		20.0			
Vinyl acetate	+++++ 0.0576	0.0617 0.0627	0.0558 0.0646	0.0565	0.0567	Ave		0.0594				5.9		20.0			
cis-1,2-Dichloroethene	+++++ 0.2687	0.3192 0.2745	0.2884 0.2922	0.2890	0.2620	Ave		0.2848			0.1000	6.7		20.0			
2,2-Dichloropropane	+++++ 0.3469	0.4552 0.3661	0.3737 0.3542	0.3601	0.3524	Ave		0.3727				10.1		20.0			
Cyclohexane	+++++ 0.3387	0.3363 0.3704	0.3376 0.3865	0.3126	0.3638	Ave		0.3494			0.1000	7.2		20.0			
Chlorobromomethane	+++++ 0.1305	0.1415 0.1392	0.1387 0.1425	0.1335	0.1315	Ave		0.1368				3.6		20.0			
Chloroform	+++++ 0.4230	0.5069 0.4370	0.4491 0.4385	0.4341	0.4120	Ave		0.4429			0.2000	6.9		20.0			
Carbon tetrachloride	+++++ 0.2826	0.3455 0.3180	0.3088 0.3277	0.2729	0.2881	Ave		0.3062			0.1000	8.6		20.0			
Ethyl acetate	+++++ 0.2773	0.2662 0.3140	0.2865 0.3279	0.2873	0.2701	Ave		0.2899				7.9		20.0			
Methyl acrylate	+++++ 0.2309	0.2315 0.2475	0.2365 0.2523	0.2184	0.2216	Ave		0.2341				5.3		20.0			
Tetrahydrofuran	+++++ 0.9293	1.4404 1.0156	1.1529 1.0165	0.9608	0.8701	Ave		1.0551				18.1		20.0			
1,1,1-Trichloroethane	+++++ 0.3541	0.4270 0.3767	0.3822 0.3782	0.3638	0.3567	Ave		0.3770			0.1000	6.5		20.0			
2-Butanone	+++++ 0.3395	0.4982 0.3587	0.4771 0.3712	0.4083	0.3268	Ave		0.3971			0.0500	16.9		20.0			
1,1-Dichloropropene	+++++ 0.3135	0.5203 0.3367	0.4602 0.3415	0.3425	0.3178	Lin2	0.1030	0.3278							0.9970		0.9900
2,2,4-Trimethylpentane	+++++ 0.5063	0.7605 0.5311	0.4730 0.5011	0.5155	0.5176	Ave		0.5436				17.9		20.0			
n-Heptane	+++++ 0.1243	0.0923 0.1385	0.1356 0.1372	0.1057	0.1359	Ave		0.1242				14.7		20.0			
Benzene	+++++ 1.2689	1.5994 1.2643	1.4431 1.2358	1.3291	1.2382	Ave		1.3398			0.5000	10.1		20.0			
Propionitrile	+++++ 1.4248	1.6918 1.6193	1.6275 1.6374	1.5445	1.2430	Ave		1.5412				10.2		20.0			
Methacrylonitrile	+++++ 0.1132	0.1242 0.1200	0.1108 0.1228	0.1057	0.1068	Ave		0.1148				6.6		20.0			
Tert-amyl methyl ether	+++++ 0.7236	0.8841 0.7631	0.7512 0.7700	0.7142	0.6850	Ave		0.7559				8.5		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.: 460-131776-1 Analy Batch No.: 431606

SDG No.:

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2017 21:44 Calibration End Date: 04/20/2017 02:57 Calibration ID: 62014

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloroethane	+++++ 0.3385	0.4498 0.3497	0.4166 0.3519	0.3668	0.3260	Ave		0.3713			0.1000	12.1		20.0			
Isobutyl alcohol	+++++ 0.4102	0.4051 0.4449	0.4019 0.4433	0.4183	0.3564	Ave		0.4115				7.3		20.0			
Isopropyl acetate	+++++ 0.4648	0.4415 0.4880	0.4404 0.4885	0.4530	0.4341	Ave		0.4586				4.9		20.0			
Methylcyclohexane	+++++ 0.3351	0.2478 0.3716	0.3270 0.3874	0.2977	0.3672	Ave		0.3334			0.1000	14.6		20.0			
Trichloroethene	+++++ 0.2416	0.3173 0.2586	0.3026 0.2639	0.2534	0.2364	Ave		0.2677			0.2000	11.5		20.0			
Dibromomethane	+++++ 0.1655	0.1552 0.1759	0.1727 0.1766	0.1644	0.1655	Ave		0.1680				4.5		20.0			
n-Butanol	+++++ 0.2696	0.1718 0.3036	0.1483 0.3032	0.1998	0.2157	QuaF		0.2969	0.0000005						1.0000		0.9900
1,2-Dichloropropane	+++++ 0.2500	0.2920 0.2601	0.2642 0.2581	0.2558	0.2395	Ave		0.2600			0.1000	6.3		20.0			
Bromodichloromethane	+++++ 0.3171	0.3175 0.3462	0.3203 0.3502	0.3086	0.3001	Ave		0.3228			0.2000	5.8		20.0			
Ethyl acrylate	+++++ 0.3254	0.2859 0.3569	0.2311 0.3621	0.2825	0.3038	Ave		0.3068				15.0		20.0			
Methyl methacrylate	+++++ 0.0785	0.0680 0.0819	0.0717 0.0830	0.0697	0.0728	Ave		0.0751				8.0		20.0			
1,4-Dioxane	+++++ 1.1517	1.4226 1.2054	1.3637 1.1009	1.2761	1.1390	Ave		1.2371				9.8		20.0			
n-Propyl acetate	+++++ 0.3426	0.2930 0.3712	0.2686 0.3699	0.2956	0.3190	Ave		0.3228				12.3		20.0			
2-Chloroethyl vinyl ether	+++++ 0.1835	0.1749 0.1943	0.1561 0.1954	0.1668	0.1656	Ave		0.1767				8.5		20.0			
cis-1,3-Dichloropropene	+++++ 0.5314	0.5334 0.5520	0.5267 0.5511	0.5114	0.5077	Ave		0.5305			0.2000	3.3		20.0			
Toluene	+++++ 1.3676	1.7720 1.3881	1.6554 1.3681	1.4265	1.3567	Ave		1.4763			0.4000	11.3		20.0			
Epichlorohydrin	0.1687 0.2407	0.2424 0.2719	0.2513 0.2674	0.2452	0.2229	Ave		0.2388				13.5		20.0			
2-Nitropropane	+++++ 0.0625	0.0723 0.0705	0.0643 0.0747	0.0504	0.0576	Ave		0.0646				13.4		20.0			
Tetrachloroethene	+++++ 0.3237	0.4262 0.3395	0.3855 0.3359	0.3362	0.3381	Ave		0.3550			0.2000	10.4		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 2.2478	2.4969 2.5661	2.4215 2.6581	2.3615	2.1702	Ave		2.4174			0.0500	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.: 460-131776-1 Analy Batch No.: 431606

SDG No.:

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2017 21:44 Calibration End Date: 04/20/2017 02:57 Calibration ID: 62014

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	+++++ 0.5018	0.4496 0.5288	0.4362 0.5421	0.4529	0.4647	Ave		0.4823			0.1000	8.7		20.0			
1,1,2-Trichloroethane	+++++ 0.2457	0.2692 0.2541	0.2712 0.2539	0.2663	0.2392	Ave		0.2571			0.1000	4.8		20.0			
Ethyl methacrylate	+++++ 0.4269	0.3704 0.4487	0.3900 0.4476	0.4113	0.4099	Ave		0.4150				7.0		20.0			
Dibromochloromethane	+++++ 0.3357	0.3479 0.3633	0.3038 0.3674	0.3293	0.3127	Ave		0.3372			0.1000	7.2		20.0			
1,3-Dichloropropane	+++++ 0.5229	0.5615 0.5310	0.5807 0.5254	0.5549	0.5115	Ave		0.5411				4.6		20.0			
Ethylene Dibromide	+++++ 0.3163	0.3098 0.3259	0.3103 0.3236	0.3141	0.3066	Ave		0.3152			0.1000	2.3		20.0			
n-Butyl acetate	+++++ 0.4708	0.4623 0.5241	0.4489 0.5230	0.3996	0.4405	Ave		0.4670				9.6		20.0			
2-Hexanone	+++++ 1.5922	1.6118 1.7616	1.6364 1.8569	1.6864	1.5176	Ave		1.6661			0.0500	6.8		20.0			
Chlorobenzene	+++++ 0.9200	1.0737 0.9429	1.0699 0.9344	0.9725	0.9010	Ave		0.9735			0.5000	7.3		20.0			
Ethylbenzene	+++++ 0.4826	0.5747 0.5091	0.5787 0.5195	0.5078	0.4783	Ave		0.5215			0.1000	7.8		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3148	0.3372 0.3412	0.3158 0.3485	0.3143	0.3027	Ave		0.3249				5.3		20.0			
m-Xylene & p-Xylene	+++++ 0.5939	0.6112 0.6197	0.6507 0.6199	0.5887	0.5835	Ave		0.6097			0.1000	3.8		20.0			
o-Xylene	+++++ 0.5826	0.6078 0.6023	0.6579 0.6015	0.5912	0.5721	Ave		0.6022			0.3000	4.6		20.0			
Bromoform	+++++ 0.2257	0.1761 0.2585	0.1948 0.2690	0.1856	0.2112	Ave		0.2173			0.1000	16.5		20.0			
Styrene	+++++ 1.0107	0.7980 1.0427	0.9742 1.0434	0.9600	0.9821	Ave		0.9730			0.3000	8.6		20.0			
n-Butyl acrylate	+++++ 0.2594	0.1730 0.2775	0.1941 0.2760	0.2074	0.2368	Ave		0.2320				17.9		20.0			
Isopropylbenzene	+++++ 1.4588	1.6347 1.5386	1.6233 1.5394	1.5318	1.4828	Ave		1.5442			0.1000	4.2		20.0			
Amyl acetate (mixed isomers)	+++++ 1.0283	0.9782 1.0790	0.9864 1.0789	0.8795	0.9357	Ave		0.9952				7.4		20.0			
Bromobenzene	+++++ 0.7118	0.8144 0.7408	0.7786 0.7430	0.7643	0.7025	Ave		0.7508				5.2		20.0			
N-Propylbenzene	+++++ 3.0384	3.3304 3.1442	3.3975 3.1514	3.1015	3.0571	Ave		3.1744				4.3		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.: 460-131776-1 Analy Batch No.: 431606

SDG No.:

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2017 21:44 Calibration End Date: 04/20/2017 02:57 Calibration ID: 62014

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,2,2-Tetrachloroethane	+++++ 0.6923	0.7234 0.7328	0.7466 0.7560	0.7075	0.6891	Ave		0.7211			0.3000	3.6		20.0			
2-Chlorotoluene	+++++ 2.1263	2.4453 2.2150	2.3906 2.2961	2.2173	2.0440	Ave		2.2478				6.3		20.0			
4-Ethyltoluene	+++++ 2.6758	3.3329 2.7668	2.6649 2.7980	2.6547	2.5447	Ave		2.7769				9.3		20.0			
1,2,3-Trichloropropane	+++++ 0.2164	0.2709 0.2243	0.2352 0.2247	0.2289	0.2169	Ave		0.2310				8.1		20.0			
1,3,5-Trimethylbenzene	+++++ 2.2014	2.5632 2.2762	2.3077 2.2992	2.2964	2.1940	Ave		2.3054				5.3		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2131	0.1249 0.2323	0.1843 0.2392	0.2093	0.2037	Ave		0.2010				19.0		20.0			
4-Chlorotoluene	+++++ 1.9975	2.2095 2.0466	2.2856 2.0975	2.0321	1.8859	Ave		2.0792				6.4		20.0			
tert-Butylbenzene	+++++ 1.8527	1.9870 1.9313	2.0925 1.9221	1.9058	1.8450	Ave		1.9338				4.4		20.0			
1,2,4-Trimethylbenzene	+++++ 2.2736	2.3394 2.3777	2.3062 2.4320	2.2452	2.1976	Ave		2.3102				3.5		20.0			
Butyl Methacrylate	+++++ 0.8528	0.6994 0.9159	0.6698 0.9421	0.7431	0.7612	Ave		0.7978				13.4		20.0			
sec-Butylbenzene	+++++ 2.6185	3.1927 2.7423	3.0611 2.7207	2.7085	2.6873	Ave		2.8187				7.7		20.0			
1,3-Dichlorobenzene	+++++ 1.3190	1.5027 1.3598	1.4990 1.3643	1.4108	1.3054	Ave		1.3944			0.6000	5.8		20.0			
4-Isopropyltoluene	+++++ 2.3438	2.4945 2.4723	2.5427 2.4448	2.3639	2.3252	Ave		2.4267				3.4		20.0			
1,4-Dichlorobenzene	+++++ 1.3734	1.6954 1.3863	1.7270 1.3833	1.4746	1.3540	Ave		1.4849			0.5000	10.7		20.0			
1,2,3-Trimethylbenzene	+++++ 2.3987	2.6641 2.4741	2.3370 2.4674	2.3157	2.2093	Ave		2.4095				6.0		20.0			
Indan	+++++ 2.4625	3.0343 2.5011	2.6220 2.4656	2.4604	2.2997	Ave		2.5494				9.2		20.0			
Benzyl chloride	+++++ 0.2862	0.1956 0.3239	0.2033 0.3267	0.2111	0.2629	Qua2	-0.037	0.2568	0.0001705						0.9910		0.9900
p-Diethylbenzene	+++++ 1.3205	1.5606 1.3753	1.2480 1.3513	1.2711	1.2364	Ave		1.3376				8.3		20.0			
n-Butylbenzene	+++++ 1.0495	1.1374 1.1197	1.1308 1.0951	1.0351	1.0283	Ave		1.0851				4.3		20.0			
1,2-Dichlorobenzene	+++++ 1.3009	1.4274 1.3227	1.5056 1.3046	1.3791	1.2990	Ave		1.3627			0.4000	5.8		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.: 460-131776-1 Analy Batch No.: 431606

SDG No.:

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2017 21:44 Calibration End Date: 04/20/2017 02:57 Calibration ID: 62014

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4,5-Tetramethylbenzene	+++++ 1.7048	1.6751 1.9195	1.3102 2.0239	1.4087	1.5050	Ave		1.6496				15.9		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1612	0.1617 0.1753	0.1162 0.1760	0.1408	0.1559	Ave		0.1553			0.0500	13.5		20.0			
1,3,5-Trichlorobenzene	+++++ 0.9246	1.0977 0.9406	0.8857 0.9333	0.8722	0.8590	Ave		0.9304				8.6		20.0			
1,2,4-Trichlorobenzene	+++++ 0.8577	0.7884 0.8892	0.7924 0.9260	0.7923	0.7923	Ave		0.8340			0.2000	6.8		20.0			
Hexachlorobutadiene	+++++ 0.2629	0.3574 0.2779	0.4208 0.2709	0.2758	0.2811	Ave		0.3067				19.4		20.0			
Naphthalene	+++++ 1.8560	1.5403 2.0351	1.5627 2.1618	1.4893	1.6441	Ave		1.7556				15.1		20.0			
1,2,3-Trichlorobenzene	+++++ 0.7644	0.7821 0.8076	0.7586 0.8326	0.7163	0.7309	Ave		0.7703				5.3		20.0			
Dibromofluoromethane (Surr)	0.2048 0.1926	0.1876 0.1920	0.1877 0.1682	0.1896	0.1793	Ave		0.1877				5.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2424 0.2288	0.2212 0.2381	0.2231 0.2471	0.2250	0.2142	Ave		0.2300				5.0		20.0			
Toluene-d8 (Surr)	1.0971 0.9930	0.9901 0.9644	1.0098 0.9227	1.0071	0.9260	Ave		0.9888				5.6		20.0			
Bromofluorobenzene	0.3630 0.3368	0.3335 0.3286	0.3377 0.3235	0.3352	0.3095	Ave		0.3335				4.5		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.: 460-131776-1 Analy Batch No.: 431606

SDG No.:

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2017 21:44 Calibration End Date: 04/20/2017 02:57 Calibration ID: 62014

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-431606/2	E68850.D
Level 2	STD05 460-431606/3	E68851.D
Level 3	STD1 460-431606/4	E68852.D
Level 4	STD5 460-431606/5	E68853.D
Level 5	STD20 460-431606/13	E68862.D
Level 6	STD50 460-431606/7	E68855.D
Level 7	STD200 460-431606/8	E68856.D
Level 8	STD500 460-431606/9	E68857.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Ave	+++++ 22962	320 113873	632 313093	2734	9569	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dichlorodifluoromethane	FB	Ave	+++++ 182501	2720 801353	4081 2066013	19054	78788	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Vinyl chloride	FB	Ave	+++++ 171840	2402 761089	4220 1954925	17827	69914	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Butadiene	FB	Ave	+++++ 140851	2045 665530	3086 1718269	15057	58803	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chloromethane	FB	Ave	+++++ 231487	3138 1061435	5103 2729589	22220	96093	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Bromomethane	FB	Ave	+++++ 110513	1178 480175	2212 1082818	9933	43148	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chloroethane	FB	Ave	+++++ 108370	1351 462756	2306 856484	10328	41923	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Pentane	FB	Ave	+++++ 47933	720 228653	1023 +++++	5104	21131	+++++ 100	1.00 400	2.00 +++++	10.0	40.0
Trichlorofluoromethane	FB	Ave	+++++ 219114	2761 928401	4965 2329652	21994	91583	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dichlorofluoromethane	FB	Ave	+++++ 236580	2350 1076054	4091 2761353	20203	96355	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Methyl-1,3-butadiene	FB	Ave	+++++ 193610	2693 913771	3861 2518799	18638	77726	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethyl ether	FB	Ave	+++++ 120714	1497 528471	3008 1422717	12137	48925	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethanol	TBAd 9	QuaF	+++++ 33299	600 142552	993 390478	3771	12860	+++++ 2000	20.0 8000	40.0 20000	200	800
1,1-Dichloroethene	FB	Ave	+++++ 119956	1783 547171	2892 1517787	12228	49763	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 153327	1885 687097	3723 1677797	15361	62677	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: TestAmerica Edison Job No.: 460-131776-1 Analy Batch No.: 431606

SDG No.:

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2017 21:44 Calibration End Date: 04/20/2017 02:57 Calibration ID: 62014

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Carbon disulfide	FB	Ave	+++++ 417473	5673 1920011	9458 5250545	41814	171766	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 112219	1158 523239	2134 1535060	9932	49977	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Iodomethane	FB	Ave	+++++ 199054	1918 948534	3465 2554561	16997	84035	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Cyclopentene	FB	Ave	+++++ 320613	4549 1442760	6785 4238440	32435	130417	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Acrolein	TBAd9	Ave	+++++ 33214	855 82479	1272 182750	5753	13082	+++++ 100	2.00 200	4.00 400	20.0	40.0
Allyl chloride	FB	Ave	+++++ 79938	984 291282	1804 827262	7910	31462	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isopropyl alcohol	TBAd9	Lin2	+++++ 84778	1677 355754	2278 993853	8169	35189	+++++ 500	5.00 2000	10.0 5000	50.0	200
Methylene Chloride	FB	Ave	+++++ 147699	1873 644743	3290 1692998	15191	59613	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Acetone	BUT	Qua2	+++++ 59676	1275 266623	1648 716661	6125	24567	+++++ 250	2.50 1000	5.00 2500	25.0	100
trans-1,2-Dichloroethene	FB	Ave	+++++ 138382	1860 607335	3233 1679168	14426	55671	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methyl acetate	TBAd9	Ave	+++++ 112194	850 480488	1765 1182366	10524	49757	+++++ 250	2.50 1000	5.00 2500	25.0	100
Hexane	FB	Ave	+++++ 256847	2584 1128064	5278 3086754	23372	110550	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methyl tert-butyl ether	FB	Ave	+++++ 431504	5111 1876148	9231 5035067	42840	173908	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Methyl-2-propanol	TBAd9	Lin2	+++++ 146405	2808 632040	4492 1736231	16485	64306	+++++ 500	5.00 2000	10.0 5000	50.0	200
Acetonitrile	TBAd9	Ave	+++++ 190919	2566 823420	4259 2121702	19103	73181	+++++ 500	5.00 2000	10.0 5000	50.0	200
Isopropyl ether	FB	Ave	+++++ 458878	6277 1966796	9453 5088696	45093	175831	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Chloro-1,3-butadiene	FB	Ave	+++++ 127728	1647 562784	2676 1468600	12278	49170	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1-Dichloroethane	FB	Ave	+++++ 256430	3121 1112487	5395 3033135	25741	101578	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Acrylonitrile	FB	Ave	2056 550648	6246 2473064	11662 6708689	50814	230992	2.00 500	5.00 2000	10.0 5000	50.0	200
Tert-butyl ethyl ether	FB	Ave	+++++ 463689	5648 2024686	9570 5414755	45310	162601	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Vinyl acetate	FB	Ave	+++++ 65591	683 295074	1247 802295	6326	25260	+++++ 100	1.00 400	2.00 1000	10.0	40.0

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

Lab Name: TestAmerica Edison Job No.: 460-131776-1 Analy Batch No.: 431606

SDG No.:

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2017 21:44 Calibration End Date: 04/20/2017 02:57 Calibration ID: 62014

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
cis-1,2-Dichloroethene	FB	Ave	+++++ 153009	1766 645787	3222 1815726	16186	58339	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2,2-Dichloropropane	FB	Ave	+++++ 197565	2519 861180	4175 2200911	20168	78474	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Cyclohexane	FB	Ave	+++++ 192891	1861 871349	3771 2401984	17507	81023	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chlorobromomethane	FB	Ave	+++++ 74341	783 327483	1549 885265	7475	29274	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chloroform	FB	Ave	+++++ 240938	2805 1028011	5017 2724710	24311	91754	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Carbon tetrachloride	FB	Ave	+++++ 160942	1912 748168	3450 2036349	15284	64152	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethyl acetate	BUT	Ave	+++++ 33672	283 148886	633 408449	3148	13482	+++++ 100	1.00 400	2.00 1000	10.0	40.0
Methyl acrylate	FB	Ave	+++++ 131529	1281 582268	2642 1567786	12231	49344	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Tetrahydrofuran	BUT	Ave	+++++ 112820	1531 481534	2547 1266267	10528	43425	+++++ 100	1.00 400	2.00 1000	10.0	40.0
1,1,1-Trichloroethane	FB	Ave	+++++ 201661	2363 886241	4269 2350322	20374	79444	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Butanone	BUT	Ave	+++++ 103055	1324 425154	2635 1156094	11186	40775	+++++ 250	2.50 1000	5.00 2500	25.0	100
1,1-Dichloropropene	FB	Lin2	+++++ 178536	2879 792143	5141 2122088	19180	70780	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2,2,4-Trimethylpentane	FB	Ave	+++++ 288335	4208 1249509	5284 3113652	28868	115274	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Heptane	FB	Ave	+++++ 70819	511 325918	1515 852285	5922	30276	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Benzene	CBNZ d5	Ave	+++++ 552926	6702 2381036	12069 6258667	55912	210467	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Propionitrile	TBAd 9	Ave	+++++ 196655	2080 951264	4145 2665513	19079	75159	+++++ 500	5.00 2000	10.0 5000	50.0	200
Methacrylonitrile	FB	Ave	+++++ 644607	6870 2823572	12378 7629481	59185	237735	+++++ 500	5.00 2000	10.0 5000	50.0	200
Tert-amyl methyl ether	FB	Ave	+++++ 412110	4892 1795382	8392 4784625	39997	152553	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichloroethane	FB	Ave	+++++ 192779	2489 822802	4654 2186527	20543	72602	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isobutyl alcohol	TBAd 9	Ave	+++++ 141548	1245 653414	2559 1804190	12919	53879	+++++ 1250	12.5 5000	25.0 12500	125	500
Isopropyl acetate	FB	Ave	+++++ 264727	2443 1148121	4920 3035624	25372	96681	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: TestAmerica Edison Job No.: 460-131776-1 Analy Batch No.: 431606

SDG No.:

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2017 21:44 Calibration End Date: 04/20/2017 02:57 Calibration ID: 62014

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Methylcyclohexane	FB	Ave	+++++ 190859	1371 874173	3653 2407530	16672	81767	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Trichloroethene	FB	Ave	+++++ 137597	1756 608445	3380 1639643	14192	52655	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dibromomethane	FB	Ave	+++++ 94256	859 413925	1929 1097346	9208	36855	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Butanol	TBAd9	QuaF	+++++ 93022	528 445844	944 1233971	6170	32609	+++++ 1250	12.5 5000	25.0 12500	125	500
1,2-Dichloropropane	FB	Ave	+++++ 142363	1616 611928	2951 1603723	14327	53332	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Bromodichloromethane	FB	Ave	+++++ 180606	1757 814383	3578 2176313	17280	66824	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethyl acrylate	FB	Ave	+++++ 185299	1582 839662	2582 2250120	15822	67654	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methyl methacrylate	FB	Ave	+++++ 89407	753 385164	1602 1031982	7812	32446	+++++ 100	1.00 400	2.00 1000	10.0	40.0
1,4-Dioxane	DXE	Ave	+++++ 38396	1020 165973	2127 436293	3873	15549	+++++ 1000	25.0 4000	50.0 10000	100	400
n-Propyl acetate	FB	Ave	+++++ 195121	1621 873297	3001 2298780	16553	71035	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 104510	968 457185	1744 1214502	9343	36869	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
cis-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 231572	2235 1039630	4405 2791029	21514	86302	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Toluene	CBNZ d5	Ave	+++++ 595956	7425 2614144	13845 6929066	60011	230607	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Epichlorohydrin	BUT	Ave	802 292172	2577 1289334	5552 3330765	26867	111244	5.00 1000	10.0 4000	20.0 10000	100	400
2-Nitropropane	FB	Ave	+++++ 71138	800 331805	1437 928797	5649	25656	+++++ 100	1.00 400	2.00 1000	10.0	40.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 141064	1786 639398	3224 1701202	14145	57468	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	+++++ 682256	6635 3041551	13374 8278370	64694	270784	+++++ 250	2.50 1000	5.00 2500	25.0	100
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 218662	1884 995947	3648 2745408	19054	78983	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 107086	1128 478506	2268 1285900	11201	40664	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethyl methacrylate	CBNZ d5	Ave	+++++ 186011	1552 845042	3262 2267062	17303	69666	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dibromochloromethane	CBNZ d5	Ave	+++++ 146277	1458 684138	2541 1860997	13853	53153	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: TestAmerica Edison Job No.: 460-131776-1 Analy Batch No.: 431606

SDG No.:

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2017 21:44 Calibration End Date: 04/20/2017 02:57 Calibration ID: 62014

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,3-Dichloropropane	CBNZ d5	Ave	+++++ 227870	2353 1000008	4857 2661029	23346	86937	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethylene Dibromide	CBNZ d5	Ave	+++++ 137834	1298 613844	2595 1638955	13213	52118	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Butyl acetate	CBNZ d5	Ave	+++++ 205170	1937 987053	3754 2648769	16810	74877	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Hexanone	BUT	Ave	+++++ 483275	4283 2088036	9038 5783050	46200	189355	+++++ 250	2.50 1000	5.00 2500	25.0	100
Chlorobenzene	CBNZ d5	Ave	+++++ 400891	4499 1775697	8948 4732299	40910	153149	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethylbenzene	CBNZ d5	Ave	+++++ 210282	2408 958735	4840 2630993	21361	81306	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 137197	1413 642650	2641 1764867	13222	51452	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
m-Xylene & p-Xylene	CBNZ d5	Ave	+++++ 258790	2561 1167075	5442 3139399	24768	99182	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
o-Xylene	CBNZ d5	Ave	+++++ 253876	2547 1134359	5502 3046554	24871	97241	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Bromoform	CBNZ d5	Ave	+++++ 98346	738 486897	1629 1362373	7808	35898	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Styrene	CBNZ d5	Ave	+++++ 440417	3344 1963627	8148 5284337	40385	166929	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Butyl acrylate	CBNZ d5	Ave	+++++ 113018	725 522658	1623 1397748	8726	40255	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isopropylbenzene	CBNZ d5	Ave	+++++ 635681	6850 2897663	13576 7796496	64440	252049	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Amyl acetate (mixed isomers)	DCBd 4	Ave	+++++ 256261	2365 1171557	4780 3074429	21181	91820	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Bromobenzene	DCBd 4	Ave	+++++ 177390	1969 804350	3773 2117284	18406	68936	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
N-Propylbenzene	DCBd 4	Ave	+++++ 757163	8052 3413735	16464 8980218	74692	299997	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 172527	1749 795615	3618 2154265	17039	67624	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Chlorotoluene	DCBd 4	Ave	+++++ 529863	5912 2404866	11585 6542859	53397	200582	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Ethyltoluene	DCBd 4	Ave	+++++ 666814	8058 3004037	12914 7973297	63932	249713	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 53927	655 243558	1140 640204	5512	21282	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++ 548581	6197 2471403	11183 6551866	55302	215297	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: TestAmerica Edison Job No.: 460-131776-1 Analy Batch No.: 431606

SDG No.:

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2017 21:44 Calibration End Date: 04/20/2017 02:57 Calibration ID: 62014

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 53093	302 252167	893 681725	5041	19988	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Chlorotoluene	DCBd 4	Ave	+++++ 497765	5342 2222045	11076 5976946	48937	185060	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 461681	4804 2096931	10140 5477139	45895	181050	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 566569	5656 2581526	11176 6930295	54069	215653	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Butyl Methacrylate	DCBd 4	Ave	+++++ 212525	1691 994378	3246 2684733	17895	74693	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 652517	7719 2977415	14834 7752820	65226	263708	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 328703	3633 1476426	7264 3887662	33975	128103	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 584061	6031 2684219	12322 6966659	56928	228170	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 342259	4099 1505114	8369 3941891	35512	132870	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	+++++ 597748	6441 2686254	11325 7031016	55767	216801	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Indan	DCBd 4	Ave	+++++ 613662	7336 2715550	12706 7025851	59253	225672	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Benzyl chloride	DCBd 4	Qua2	+++++ 71325	473 351718	985 931079	5084	25799	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
p-Diethylbenzene	DCBd 4	Ave	+++++ 329062	3773 1493202	6048 3850673	30610	121326	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Butylbenzene	DCBd 4	Ave	+++++ 261529	2750 1215661	5480 3120661	24927	100909	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 324178	3451 1436106	7296 3717449	33212	127473	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	+++++ 424824	4050 2084041	6349 5767319	33925	147682	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 40174	391 190356	563 501529	3390	15303	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	+++++ 230403	2654 1021231	4292 2659403	21005	84292	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 213734	1906 965483	3840 2638840	19080	77751	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 65504	864 301698	2039 771815	6643	27584	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Naphthalene	DCBd 4	Ave	+++++ 462520	3724 2209630	7573 6160317	35866	161341	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

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

Lab Name: TestAmerica Edison Job No.: 460-131776-1 Analy Batch No.: 431606

SDG No.:

Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2017 21:44 Calibration End Date: 04/20/2017 02:57 Calibration ID: 62014

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++ 190487	1891 876796	3676 2372436	17250	71723	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dibromofluoromethane (Surr)	FB	Ave	104001 109694	103787 112952	104849 104510	106156	99833	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	123097 130290	122410 140067	124626 153554	125999	119234	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	413175 432708	414884 454069	422274 467329	423668	393476	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
Bromofluorobenzene	CBNZ d5	Ave	136712 146775	139737 154725	141199 163836	140998	131524	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua2 = Quadratic 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68850.D
Lims ID: STD8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 19-Apr-2017 21:44:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD8
Misc. Info.: 460-0053982-002
Operator ID: Instrument ID: CVOAMS5
Sublist: chrom-8260W_5*sub52

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Apr-2017 15:20:00 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: boykink Date: 19-Apr-2017 22:52:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 29 TBA-d9 (IS)	65	1.845	1.845	0.000	99	217837	1000.0	1000.0	
35 Acrylonitrile	53	2.142	2.133	0.009	92	2056	2.00	1.97	
$ 47 Dibromofluoromethane (Surr	113	2.742	2.742	0.000	97	104001	50.0	54.5	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	99	237742	250.0	250.0	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	97	123097	50.0	52.7	
* 61 Fluorobenzene	96	3.343	3.343	0.000	99	507829	50.0	50.0	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	98	25540	1000.0	1000.0	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	100	413175	50.0	55.5	
80 Epichlorohydrin	57	4.915	4.899	0.017	36	802	5.00	3.53	M
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	86	376592	50.0	50.0	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	90	136712	50.0	54.4	
* 119 1,4-Dichlorobenzene-d4	152	10.116	10.116	0.000	96	219976	50.0	50.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

ACROLEIN W_00063	Amount Added:	0.00	Units: uL	
GAS Hi_00197	Amount Added:	0.00	Units: uL	
MIX I Hi_00072	Amount Added:	0.00	Units: uL	
MIX 2 Hi_00055	Amount Added:	0.00	Units: uL	
14DIOXINTER_00068	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00032	Amount Added:	2.00	Units: uL	
8260SURR250_00155	Amount Added:	1.00	Units: uL	Run Reagent
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent

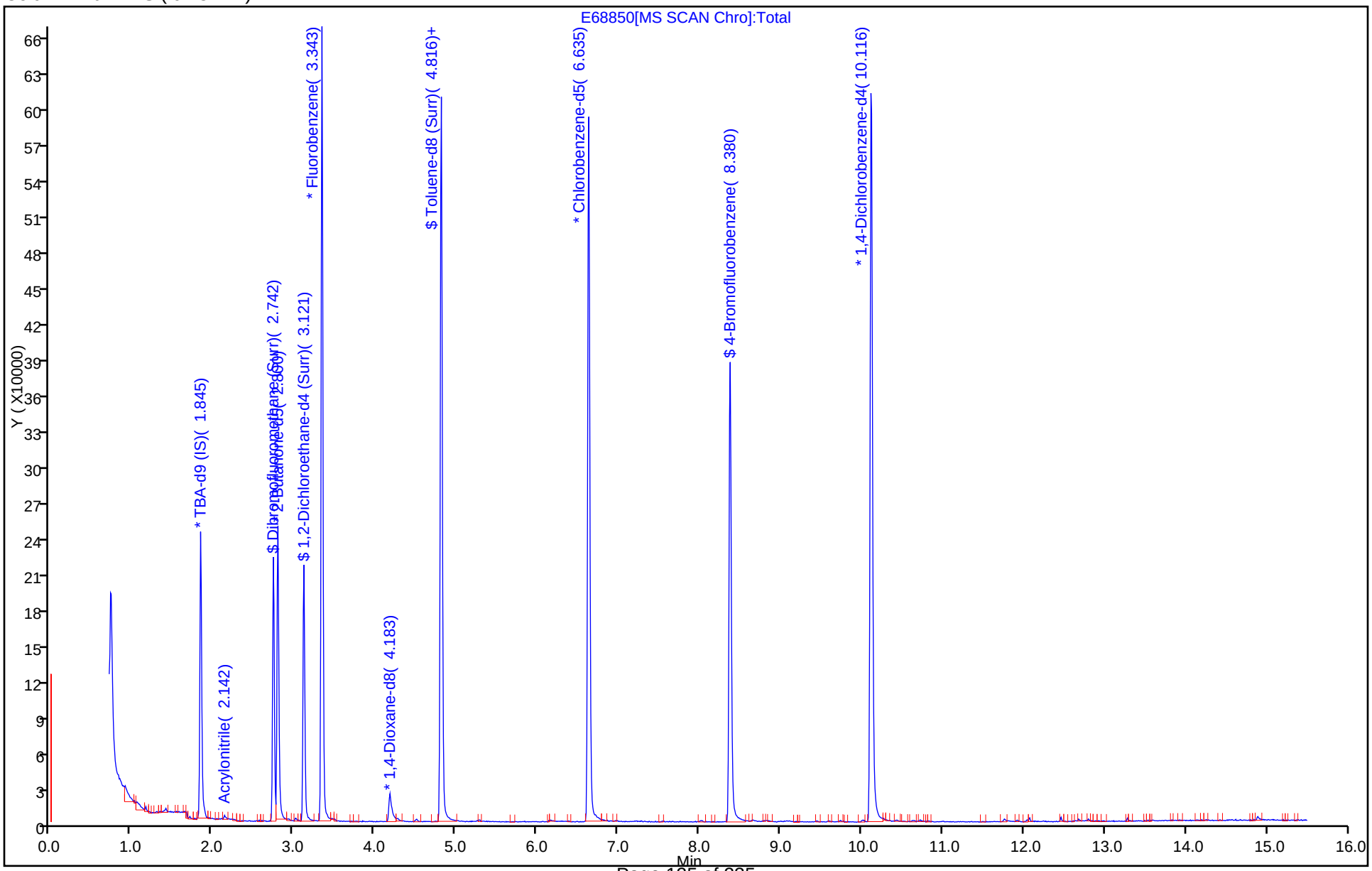
Report Date: 24-Apr-2017 15:20:03 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68850.D

Injection Date:	19-Apr-2017 21:44:30	Instrument ID:	CVOAMS5	Operator ID:	
Lims ID:	STD8			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-VMS (0.18 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

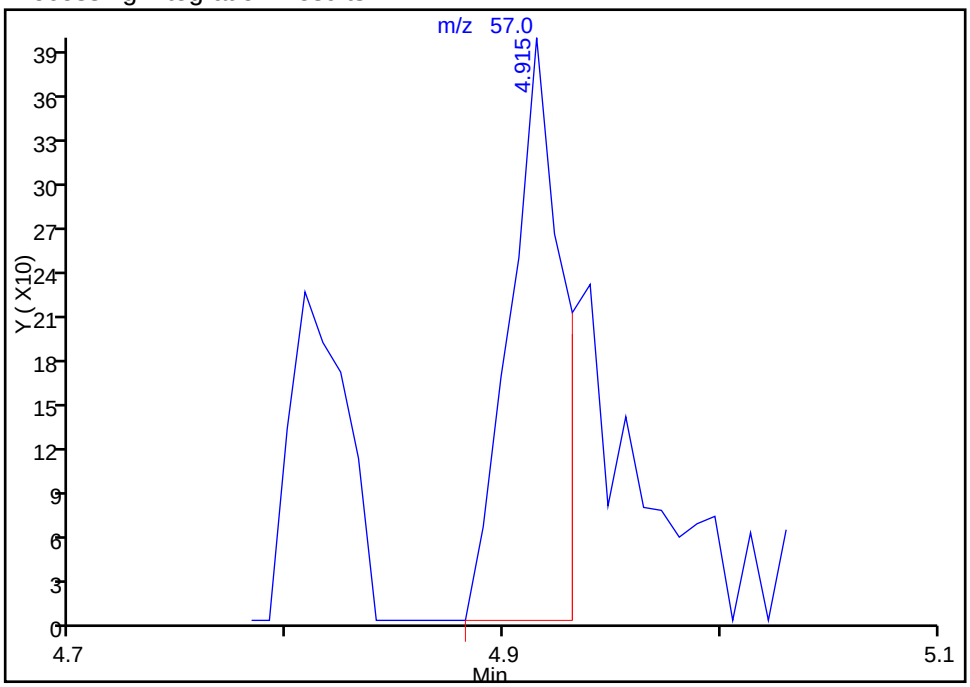
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68850.D
Injection Date: 19-Apr-2017 21:44:30 Instrument ID: CVOAMS5
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-VMS (0.18 mm) Detector MS SCAN

80 Epichlorohydrin, CAS: 106-89-8

Signal: 1

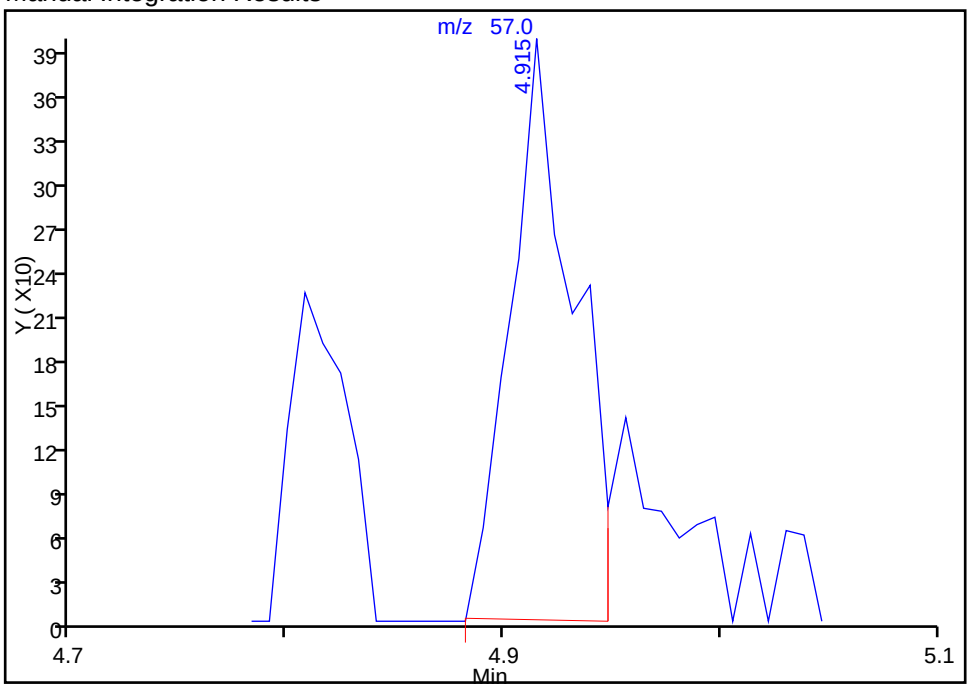
Processing Integration Results

RT: 4.92
Area: 657
Amount: 5.000009
Amount Units: ug/l



Manual Integration Results

RT: 4.92
Area: 802
Amount: 3.531505
Amount Units: ug/l



Reviewer: baronm, 24-Apr-2017 13:27:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68851.D
Lims ID: STD05
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 19-Apr-2017 22:10:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD05
Misc. Info.: 460-0053982-003
Operator ID: Instrument ID: CVOAMS5
Sublist: chrom-8260W_5*sub52

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Apr-2017 15:20:26 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: boykink Date: 19-Apr-2017 22:55:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.784	0.784	0.000	83	320	0.5000	0.5862	
2 Dichlorodifluoromethane	85	0.792	0.792	0.000	99	2720	0.5000	0.6762	
3 Vinyl chloride	62	0.915	0.907	0.008	76	2402	0.5000	0.6373	
4 Butadiene	54	0.915	0.915	0.000	88	2045	0.5000	0.6515	
5 Chloromethane	50	0.915	0.915	0.000	96	3138	0.5000	0.6303	
6 Bromomethane	94	1.055	1.055	0.000	91	1178	0.5000	0.5501	
7 Chloroethane	64	1.113	1.105	0.008	97	1351	0.5000	0.6339	
8 Pentane	72	1.170	1.170	0.000	95	720	1.00	1.33	
9 Trichlorofluoromethane	101	1.170	1.170	0.000	66	2761	0.5000	0.6019	
10 Dichlorofluoromethane	67	1.195	1.195	0.000	97	2350	0.5000	0.5123	
11 2-Methyl-1,3-butadiene	67	1.302	1.302	0.000	96	2693	0.5000	0.6433	
13 Ethyl ether	59	1.310	1.310	0.000	92	1497	0.5000	0.5768	
12 Ethanol	46	1.384	1.393	-0.009	54	600	20.0	40.1	
15 1,2-Dichloro-1,1,2-trifluo	67	1.401	1.401	0.000	82	1885	0.5000	0.5785	
14 1,1-Dichloroethene	96	1.401	1.401	0.000	97	1783	0.5000	0.6594	
17 Carbon disulfide	76	1.417	1.417	0.000	99	5673	0.5000	0.6204	
16 1,1,2-Trichloro-1,2,2-trif	101	1.426	1.426	0.000	86	1158	0.5000	0.4988	
18 Iodomethane	142	1.475	1.475	0.000	96	1918	0.5000	0.4850	
19 Cyclopentene	67	1.549	1.549	0.000	96	4549	0.5000	0.6462	
20 Acrolein	56	1.565	1.565	0.000	70	855	2.00	2.63	
21 3-Chloro-1-propene	76	1.631	1.631	0.000	91	984	0.5000	0.6107	
22 Isopropyl alcohol	45	1.656	1.656	0.000	76	1677	5.00	5.28	
23 Methylene Chloride	84	1.689	1.689	0.000	92	1873	0.5000	0.5990	
24 Acetone	58	1.714	1.714	0.000	87	1275	2.50	2.68	
25 trans-1,2-Dichloroethene	96	1.771	1.771	0.000	94	1860	0.5000	0.6178	
26 Methyl acetate	74	1.779	1.779	0.000	97	850	2.50	2.23	
27 Hexane	57	1.829	1.821	0.008	39	2584	0.5000	0.4982	
28 Methyl tert-butyl ether	73	1.829	1.829	0.000	97	5111	0.5000	0.5710	
* 29 TBA-d9 (IS)	65	1.845	1.845	0.000	99	245892	1000.0	1000.0	
30 2-Methyl-2-propanol	59	1.895	1.895	0.000	96	2808	5.00	4.82	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acetonitrile	41	1.969	1.961	0.009	98	2566	5.00	6.89	
32 Isopropyl ether	45	2.051	2.043	0.008	94	6277	0.5000	0.6578	
33 2-Chloro-1,3-butadiene	88	2.100	2.092	0.008	92	1647	0.5000	0.6212	
34 1,1-Dichloroethane	63	2.109	2.109	0.000	99	3121	0.5000	0.5851	
35 Acrylonitrile	53	2.142	2.133	0.009	89	6246	5.00	5.49	
37 Vinyl acetate	86	2.273	2.265	0.008	99	683	1.00	1.04	
36 Tert-butyl ethyl ether	59	2.265	2.265	0.000	89	5648	0.5000	0.5991	
38 cis-1,2-Dichloroethene	96	2.446	2.438	0.008	98	1766	0.5000	0.5602	
39 2,2-Dichloropropane	77	2.504	2.504	0.000	97	2519	0.5000	0.6108	
40 Cyclohexane	56	2.561	2.561	0.000	93	1861	0.5000	0.4813	
41 Chlorobromomethane	128	2.569	2.561	0.008	86	783	0.5000	0.5174	
42 Chloroform	83	2.627	2.619	0.008	93	2805	0.5000	0.5722	
43 Carbon tetrachloride	117	2.709	2.709	0.000	93	1912	0.5000	0.5642	
44 Methyl acrylate	55	2.726	2.718	0.008	44	1281	0.5000	0.4945	
45 Ethyl acetate	70	2.726	2.718	0.008	96	283	1.00	0.9183	
46 Tetrahydrofuran	42	2.734	2.726	0.008	43	1531	1.00	1.37	
$ 47 Dibromofluoromethane (Surr	113	2.742	2.742	0.000	97	103787	50.0	50.0	
48 1,1,1-Trichloroethane	97	2.751	2.751	-0.001	95	2363	0.5000	0.5664	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	99	265732	250.0	250.0	
50 2-Butanone (MEK)	72	2.833	2.833	0.000	87	1324	2.50	3.14	
51 1,1-Dichloropropene	75	2.841	2.841	0.000	79	2879	0.5000	0.4793	
52 Isooctane	57	2.932	2.923	0.009	98	4208	0.5000	0.6995	
53 n-Heptane	57	3.014	3.014	0.000	42	511	0.5000	0.3716	
54 Benzene	78	3.022	3.014	0.008	95	6702	0.5000	0.5969	
55 Propionitrile	54	3.047	3.039	0.008	46	2080	5.00	5.49	
56 Methacrylonitrile	67	3.055	3.055	0.000	90	6870	5.00	5.41	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	97	122410	50.0	48.1	
58 Tert-amyl methyl ether	73	3.129	3.129	0.000	36	4892	0.5000	0.5848	
59 1,2-Dichloroethane	62	3.170	3.170	0.000	95	2489	0.5000	0.6057	
60 Isobutyl alcohol	43	3.253	3.244	0.009	96	1245	12.5	12.3	
63 t-Amyl alcohol	59	3.318	3.318	0.000	19	1325	5.00	5.89	
* 61 Fluorobenzene	96	3.343	3.343	0.000	99	553333	50.0	50.0	
62 Isopropyl acetate	43	3.425	3.417	0.008	97	2443	0.5000	0.4813	
64 Methylcyclohexane	83	3.475	3.467	0.008	90	1371	0.5000	0.3716	
65 Trichloroethene	95	3.491	3.491	0.000	95	1756	0.5000	0.5927	
66 2-ethoxy-2-methyl butane	59	3.730	3.722	0.008	96	4067	0.5000	0.5825	
67 Dibromomethane	93	3.853	3.837	0.016	86	859	0.5000	0.4621	
68 n-Butanol	56	3.886	3.853	0.033	47	528	12.5	7.23	
69 1,2-Dichloropropane	63	3.927	3.927	0.000	84	1616	0.5000	0.5617	
71 Ethyl acrylate	55	4.034	4.010	0.024	94	1582	0.5000	0.4659	
70 Dichlorobromomethane	83	4.018	4.010	0.008	95	1757	0.5000	0.4918	
* 72 1,4-Dioxane-d8	96	4.182	4.183	-0.001	96	28679	1000.0	1000.0	
73 Methyl methacrylate	100	4.207	4.199	0.008	86	753	1.00	0.9060	
74 1,4-Dioxane	88	4.207	4.207	0.000	49	1020	25.0	28.8	
75 n-Propyl acetate	43	4.364	4.347	0.017	91	1621	0.5000	0.4537	
76 2-Chloroethyl vinyl ether	63	4.619	4.602	0.017	50	968	0.5000	0.4951	
77 cis-1,3-Dichloropropene	75	4.635	4.627	0.008	95	2235	0.5000	0.5027	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	99	414884	50.0	50.1	
79 Toluene	91	4.874	4.866	0.008	93	7425	0.5000	0.6001	
80 Epichlorohydrin	57	4.915	4.899	0.017	94	2577	10.0	10.2	
81 2-Nitropropane	41	5.112	5.112	0.000	92	800	1.00	1.12	
82 Tetrachloroethene	166	5.293	5.285	0.008	94	1786	0.5000	0.6003	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 4-Methyl-2-pentanone (MIBK	43	5.335	5.326	0.009	98	6635	2.50	2.58	
84 trans-1,3-Dichloropropene	75	5.384	5.359	0.025	91	1884	0.5000	0.4661	
85 1,1,2-Trichloroethane	83	5.540	5.524	0.016	93	1128	0.5000	0.5236	
86 Ethyl methacrylate	69	5.631	5.614	0.017	83	1552	0.5000	0.4463	
87 Chlorodibromomethane	129	5.730	5.721	0.009	94	1458	0.5000	0.5160	
88 1,3-Dichloropropane	76	5.837	5.828	0.009	93	2353	0.5000	0.5188	
89 Ethylene Dibromide	107	5.977	5.952	0.025	96	1298	0.5000	0.4913	
90 n-Butyl acetate	43	6.330	6.314	0.016	97	1937	0.5000	0.4949	
91 2-Hexanone	43	6.380	6.363	0.017	95	4283	2.50	2.42	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	86	419028	50.0	50.0	
93 Chlorobenzene	112	6.660	6.651	0.009	92	4499	0.5000	0.5515	
94 Ethylbenzene	106	6.750	6.742	0.008	98	2408	0.5000	0.5510	
95 1,1,1,2-Tetrachloroethane	131	6.775	6.767	0.008	87	1413	0.5000	0.5189	
96 m-Xylene & p-Xylene	106	6.964	6.956	0.008	96	2561	0.5000	0.5012	
97 o-Xylene	106	7.540	7.532	0.008	95	2547	0.5000	0.5047	
98 Bromoform	173	7.614	7.598	0.016	36	738	0.5000	0.4053	
99 Styrene	104	7.639	7.623	0.016	95	3344	0.5000	0.4101	
100 n-Butyl acrylate	73	7.985	7.952	0.033	95	725	0.5000	0.3728	
101 Isopropylbenzene	105	8.018	8.018	0.000	96	6850	0.5000	0.5293	
102 Amyl acetate (mixed isomer	43	8.380	8.363	0.017	37	2365	0.5000	0.4915	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	90	139737	50.0	50.0	
104 Bromobenzene	156	8.495	8.478	0.017	94	1969	0.5000	0.5424	
105 N-Propylbenzene	91	8.651	8.643	0.008	99	8052	0.5000	0.5246	
106 1,1,2,2-Tetrachloroethane	83	8.799	8.791	0.008	92	1749	0.5000	0.5016	
107 2-Chlorotoluene	91	8.816	8.808	0.008	97	5912	0.5000	0.5439	
108 4-Ethyltoluene	105	8.840	8.832	0.008	97	8058	0.5000	0.6001	
109 1,2,3-Trichloropropane	110	8.923	8.915	0.008	93	655	0.5000	0.5863	
110 1,3,5-Trimethylbenzene	105	8.989	8.989	0.000	93	6197	0.5000	0.5559	
111 trans-1,4-Dichloro-2-buten	53	9.079	9.046	0.033	44	302	0.5000	0.3108	
112 4-Chlorotoluene	91	9.087	9.071	0.016	97	5342	0.5000	0.5313	
113 tert-Butylbenzene	119	9.458	9.450	0.008	94	4804	0.5000	0.5138	
114 1,2,4-Trimethylbenzene	105	9.581	9.581	0.000	96	5656	0.5000	0.5063	
115 Butyl Methacrylate	87	9.606	9.589	0.017	76	1691	0.5000	0.4384	
116 sec-Butylbenzene	105	9.738	9.738	0.000	98	7719	0.5000	0.5663	
117 1,3-Dichlorobenzene	146	10.009	9.984	0.025	72	3633	0.5000	0.5388	
118 4-Isopropyltoluene	119	10.017	10.017	0.000	95	6031	0.5000	0.5140	
* 119 1,4-Dichlorobenzene-d4	152	10.124	10.116	0.008	95	241770	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.141	10.141	0.000	90	4099	0.5000	0.5709	
121 1,2,3-Trimethylbenzene	105	10.256	10.256	0.000	0	6441	0.5000	0.5528	
122 2,3-Dihydroindene	117	10.429	10.421	0.008	93	7336	0.5000	0.5951	
123 Benzyl chloride	126	10.610	10.593	0.017	73	473	0.5000	0.5234	
124 p-Diethylbenzene	119	10.635	10.626	0.009	94	3773	0.5000	0.5834	
125 n-Butylbenzene	92	10.725	10.709	0.016	97	2750	0.5000	0.5241	
126 1,2-Dichlorobenzene	146	10.816	10.807	0.009	93	3451	0.5000	0.5237	
127 1,2,4,5-Tetramethylbenzene	119	11.754	11.754	0.000	96	4050	0.5000	0.5077	
128 1,2-Dibromo-3-Chloropropan	157	11.877	11.869	0.008	77	391	0.5000	0.5207	
129 1,3,5-Trichlorobenzene	180	11.918	11.910	0.008	95	2654	0.5000	0.5899	
130 1,2,4-Trichlorobenzene	180	12.453	12.445	0.008	94	1906	0.5000	0.4726	
131 Hexachlorobutadiene	225	12.462	12.462	0.000	91	864	0.5000	0.5827	
132 Naphthalene	128	12.676	12.667	0.009	99	3724	0.5000	0.4387	
133 1,2,3-Trichlorobenzene	180	12.799	12.791	0.008	94	1891	0.5000	0.5077	
S 134 1,2-Dichloroethene, Total	100				0		1.00	1.18	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 1,3-Dichloropropene, Total	100				0		0.5000	0.9688	
S 136 Xylenes, Total	100				0		1.00	1.01	
S 137 Total BTEX	1				0		2.50	2.75	

Reagents:

ACROLEIN W_00063	Amount Added:	2.00	Units: uL	
GAS Hi_00197	Amount Added:	0.50	Units: uL	
MIX I Hi_00072	Amount Added:	0.50	Units: uL	
MIX 2 Hi_00055	Amount Added:	0.50	Units: uL	
14DIOXINTER_00068	Amount Added:	15.00	Units: uL	
8260SURR250_00155	Amount Added:	1.00	Units: uL	Run Reagent
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 24-Apr-2017 15:20:27 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68851.D

Injection Date: 19-Apr-2017 22:10:30 Instrument ID: CVOAMS5 Operator ID:

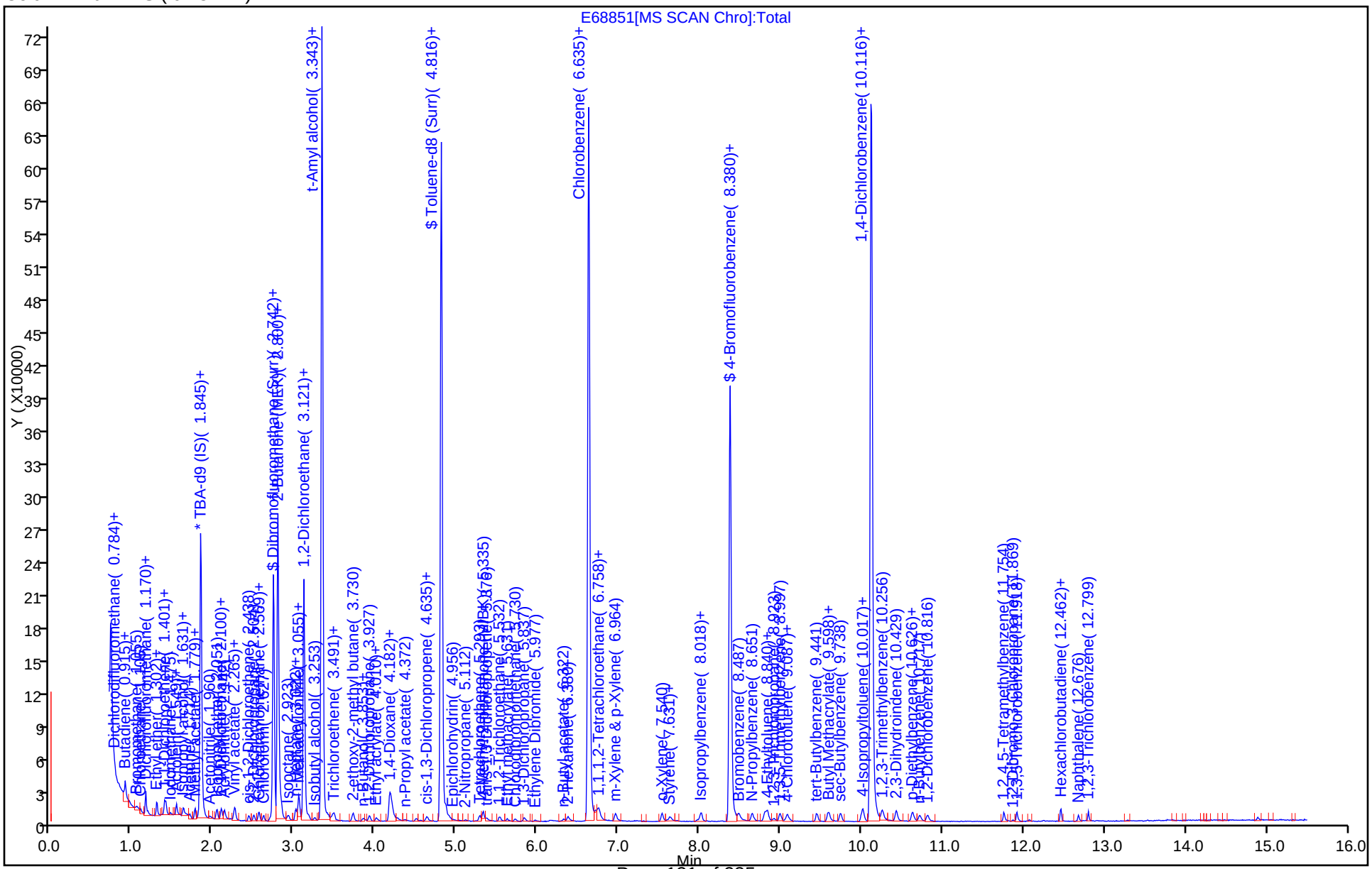
Lims ID: STD05 Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260W_5 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-VMS (0.18 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68852.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 19-Apr-2017 22:36:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0053982-004
Operator ID: Instrument ID: CVOAMS5
Sublist: chrom-8260W_5*sub52

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Apr-2017 15:20:31 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: boykink Date: 19-Apr-2017 23:40:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.784	0.784	0.000	86	632	1.00	1.15	
2 Dichlorodifluoromethane	85	0.792	0.792	0.000	99	4081	1.00	1.01	
3 Vinyl chloride	62	0.907	0.907	0.000	97	4220	1.00	1.11	
5 Chloromethane	50	0.916	0.915	0.001	91	5103	1.00	1.02	
4 Butadiene	54	0.916	0.915	0.001	90	3086	1.00	0.9740	
6 Bromomethane	94	1.055	1.055	0.000	95	2212	1.00	1.02	
7 Chloroethane	64	1.105	1.105	0.000	94	2306	1.00	1.07	
9 Trichlorofluoromethane	101	1.171	1.170	0.001	78	4965	1.00	1.07	
8 Pentane	72	1.171	1.170	0.001	95	1023	2.00	1.87	
10 Dichlorofluoromethane	67	1.195	1.195	0.000	97	4091	1.00	0.8835	
11 2-Methyl-1,3-butadiene	67	1.302	1.302	0.000	96	3861	1.00	0.9137	
13 Ethyl ether	59	1.311	1.310	0.001	96	3008	1.00	1.15	
12 Ethanol	46	1.393	1.393	0.000	30	993	40.0	64.1	M
14 1,1-Dichloroethene	96	1.401	1.401	0.000	97	2892	1.00	1.06	
15 1,2-Dichloro-1,1,2-trifluo	67	1.401	1.401	0.000	84	3723	1.00	1.13	
17 Carbon disulfide	76	1.418	1.417	0.001	100	9458	1.00	1.02	
16 1,1,2-Trichloro-1,2,2-trif	101	1.426	1.426	0.000	93	2134	1.00	0.9106	
18 Iodomethane	142	1.475	1.475	0.000	97	3465	1.00	0.8680	
19 Cyclopentene	67	1.549	1.549	0.000	98	6785	1.00	0.9549	
20 Acrolein	56	1.566	1.565	0.001	94	1272	4.00	3.78	
21 3-Chloro-1-propene	76	1.632	1.631	0.001	88	1804	1.00	1.11	
22 Isopropyl alcohol	45	1.656	1.656	0.000	91	2278	10.0	8.89	
23 Methylene Chloride	84	1.689	1.689	0.000	91	3290	1.00	1.04	
24 Acetone	58	1.714	1.714	0.000	86	1648	5.00	4.23	
25 trans-1,2-Dichloroethene	96	1.771	1.771	0.000	94	3233	1.00	1.06	
26 Methyl acetate	74	1.780	1.779	0.001	100	1765	5.00	4.48	
27 Hexane	57	1.821	1.821	0.000	82	5278	1.00	1.01	
28 Methyl tert-butyl ether	73	1.829	1.829	0.000	92	9231	1.00	1.02	
* 29 TBA-d9 (IS)	65	1.845	1.845	0.000	99	254680	1000.0	1000.0	
30 2-Methyl-2-propanol	59	1.887	1.895	-0.008	98	4492	10.0	10.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acetonitrile	41	1.961	1.961	0.001	98	4259	10.0	11.0	
32 Isopropyl ether	45	2.043	2.043	0.000	95	9453	1.00	0.9814	
33 2-Chloro-1,3-butadiene	88	2.101	2.092	0.009	93	2676	1.00	1.00	
34 1,1-Dichloroethane	63	2.109	2.109	0.000	99	5395	1.00	1.00	
35 Acrylonitrile	53	2.142	2.133	0.009	95	11662	10.0	10.2	
36 Tert-butyl ethyl ether	59	2.265	2.265	0.000	89	9570	1.00	1.01	
37 Vinyl acetate	86	2.273	2.265	0.008	99	1247	2.00	1.88	
38 cis-1,2-Dichloroethene	96	2.438	2.438	0.000	98	3222	1.00	1.01	
39 2,2-Dichloropropane	77	2.504	2.504	0.000	93	4175	1.00	1.00	
41 Chlorobromomethane	128	2.570	2.561	0.009	94	1549	1.00	1.01	
40 Cyclohexane	56	2.561	2.561	0.000	87	3771	1.00	0.9661	
42 Chloroform	83	2.627	2.619	0.008	97	5017	1.00	1.01	
43 Carbon tetrachloride	117	2.701	2.709	-0.008	96	3450	1.00	1.01	
45 Ethyl acetate	70	2.718	2.718	0.000	95	633	2.00	1.98	
44 Methyl acrylate	55	2.726	2.718	0.008	49	2642	1.00	1.01	
46 Tetrahydrofuran	42	2.726	2.726	0.000	48	2547	2.00	2.19	
$ 47 Dibromofluoromethane (Surr	113	2.743	2.742	0.001	97	104849	50.0	50.0	
48 1,1,1-Trichloroethane	97	2.751	2.751	0.000	94	4269	1.00	1.01	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	99	276156	250.0	250.0	
50 2-Butanone (MEK)	72	2.833	2.833	0.000	96	2635	5.00	6.01	
51 1,1-Dichloropropene	75	2.841	2.841	0.000	89	5141	1.00	1.09	
52 Isooctane	57	2.932	2.923	0.009	97	5284	1.00	0.8702	
54 Benzene	78	3.022	3.014	0.008	95	12069	1.00	1.08	
53 n-Heptane	57	3.014	3.014	0.000	49	1515	1.00	1.09	
55 Propionitrile	54	3.039	3.039	0.000	96	4145	10.0	10.6	
56 Methacrylonitrile	67	3.055	3.055	0.000	93	12378	10.0	9.65	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	97	124626	50.0	48.5	
58 Tert-amyl methyl ether	73	3.129	3.129	0.000	98	8392	1.00	0.99	
59 1,2-Dichloroethane	62	3.179	3.170	0.009	96	4654	1.00	1.12	
60 Isobutyl alcohol	43	3.253	3.244	0.009	96	2559	25.0	24.4	
63 t-Amyl alcohol	59	3.319	3.318	0.001	28	2325	10.0	10.2	
* 61 Fluorobenzene	96	3.343	3.343	0.000	99	558544	50.0	50.0	
62 Isopropyl acetate	43	3.417	3.417	0.000	96	4920	1.00	0.9603	
64 Methylcyclohexane	83	3.467	3.467	0.000	94	3653	1.00	0.9808	
65 Trichloroethene	95	3.491	3.491	0.000	96	3380	1.00	1.13	
66 2-ethoxy-2-methyl butane	59	3.722	3.722	0.000	98	7205	1.00	1.02	
67 Dibromomethane	93	3.845	3.837	0.008	93	1929	1.00	1.03	
68 n-Butanol	56	3.878	3.853	0.025	78	944	25.0	12.5	
69 1,2-Dichloropropane	63	3.928	3.927	0.001	88	2951	1.00	1.02	
70 Dichlorobromomethane	83	4.010	4.010	0.000	99	3578	1.00	0.99	
71 Ethyl acrylate	55	4.026	4.010	0.016	68	2582	1.00	0.7533	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	97	31194	1000.0	1000.0	
73 Methyl methacrylate	100	4.199	4.199	0.000	89	1602	2.00	1.91	
74 1,4-Dioxane	88	4.207	4.207	0.000	46	2127	50.0	55.1	
75 n-Propyl acetate	43	4.356	4.347	0.009	98	3001	1.00	0.8321	
76 2-Chloroethyl vinyl ether	63	4.611	4.602	0.009	94	1744	1.00	0.8837	
77 cis-1,3-Dichloropropene	75	4.635	4.627	0.008	96	4405	1.00	0.99	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	99	422274	50.0	51.1	
79 Toluene	91	4.874	4.866	0.008	92	13845	1.00	1.12	
80 Epichlorohydrin	57	4.907	4.899	0.009	98	5552	20.0	21.0	
81 2-Nitropropane	41	5.113	5.112	0.001	96	1437	2.00	1.99	
82 Tetrachloroethene	166	5.294	5.285	0.009	95	3224	1.00	1.09	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 4-Methyl-2-pentanone (MIBK	43	5.335	5.326	0.009	97	13374	5.00	5.01	
84 trans-1,3-Dichloropropene	75	5.376	5.359	0.017	91	3648	1.00	0.9044	
85 1,1,2-Trichloroethane	83	5.532	5.524	0.008	93	2268	1.00	1.05	
86 Ethyl methacrylate	69	5.623	5.614	0.009	88	3262	1.00	0.9399	
87 Chlorodibromomethane	129	5.722	5.721	0.001	96	2541	1.00	0.9011	
88 1,3-Dichloropropane	76	5.837	5.828	0.009	93	4857	1.00	1.07	
89 Ethylene Dibromide	107	5.969	5.952	0.017	97	2595	1.00	0.9843	
90 n-Butyl acetate	43	6.322	6.314	0.008	93	3754	1.00	0.9611	
91 2-Hexanone	43	6.372	6.363	0.009	92	9038	5.00	4.91	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	86	418171	50.0	50.0	
93 Chlorobenzene	112	6.660	6.651	0.009	96	8948	1.00	1.10	
94 Ethylbenzene	106	6.750	6.742	0.008	98	4840	1.00	1.11	
95 1,1,1,2-Tetrachloroethane	131	6.767	6.767	0.000	90	2641	1.00	0.9718	
96 m-Xylene & p-Xylene	106	6.964	6.956	0.008	95	5442	1.00	1.07	
97 o-Xylene	106	7.532	7.532	0.000	93	5502	1.00	1.09	
98 Bromoform	173	7.606	7.598	0.008	90	1629	1.00	0.8965	
99 Styrene	104	7.631	7.623	0.008	93	8148	1.00	1.00	
100 n-Butyl acrylate	73	7.968	7.952	0.016	96	1623	1.00	0.8364	
101 Isopropylbenzene	105	8.018	8.018	0.000	96	13576	1.00	1.05	
102 Amyl acetate (mixed isomer	43	8.380	8.363	0.017	38	4780	1.00	0.99	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	91	141199	50.0	50.6	
104 Bromobenzene	156	8.487	8.478	0.009	98	3773	1.00	1.04	
105 N-Propylbenzene	91	8.651	8.643	0.008	100	16464	1.00	1.07	
106 1,1,2,2-Tetrachloroethane	83	8.800	8.791	0.009	97	3618	1.00	1.04	
107 2-Chlorotoluene	91	8.816	8.808	0.008	97	11585	1.00	1.06	
108 4-Ethyltoluene	105	8.841	8.832	0.009	98	12914	1.00	0.9597	
109 1,2,3-Trichloropropane	110	8.923	8.915	0.008	97	1140	1.00	1.02	
110 1,3,5-Trimethylbenzene	105	8.989	8.989	0.000	94	11183	1.00	1.00	
111 trans-1,4-Dichloro-2-buten	53	9.071	9.046	0.025	75	893	1.00	0.9170	
112 4-Chlorotoluene	91	9.079	9.071	0.008	97	11076	1.00	1.10	
113 tert-Butylbenzene	119	9.450	9.450	0.000	95	10140	1.00	1.08	
114 1,2,4-Trimethylbenzene	105	9.581	9.581	0.000	97	11176	1.00	1.00	
115 Butyl Methacrylate	87	9.598	9.589	0.009	93	3246	1.00	0.8396	
116 sec-Butylbenzene	105	9.746	9.738	0.008	99	14834	1.00	1.09	
117 1,3-Dichlorobenzene	146	9.993	9.984	0.009	94	7264	1.00	1.07	
118 4-Isopropyltoluene	119	10.018	10.017	0.001	97	12322	1.00	1.05	
* 119 1,4-Dichlorobenzene-d4	152	10.125	10.116	0.009	95	242299	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.141	10.141	0.000	94	8369	1.00	1.16	
121 1,2,3-Trimethylbenzene	105	10.256	10.256	0.000	0	11325	1.00	0.9699	
122 2,3-Dihydroindene	117	10.429	10.421	0.008	93	12706	1.00	1.03	
123 Benzyl chloride	126	10.610	10.593	0.017	81	985	1.00	0.9337	
124 p-Diethylbenzene	119	10.635	10.626	0.009	93	6048	1.00	0.9331	
125 n-Butylbenzene	92	10.717	10.709	0.008	97	5480	1.00	1.04	
126 1,2-Dichlorobenzene	146	10.808	10.807	0.001	92	7296	1.00	1.10	
127 1,2,4,5-Tetramethylbenzene	119	11.754	11.754	0.000	97	6349	1.00	0.7942	
128 1,2-Dibromo-3-Chloropropan	157	11.869	11.869	0.000	89	563	1.00	0.7481	
129 1,3,5-Trichlorobenzene	180	11.919	11.910	0.009	97	4292	1.00	0.9519	
130 1,2,4-Trichlorobenzene	180	12.454	12.445	0.009	93	3840	1.00	0.9501	
131 Hexachlorobutadiene	225	12.462	12.462	0.000	89	2039	1.00	1.37	
132 Naphthalene	128	12.676	12.667	0.009	99	7573	1.00	0.8901	
133 1,2,3-Trichlorobenzene	180	12.799	12.791	0.008	94	3676	1.00	0.9847	
S 134 1,2-Dichloroethene, Total	100				0		2.00	2.08	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 1,3-Dichloropropene, Total	100				0		1.00	1.90	
S 136 Xylenes, Total	100				0		2.00	2.16	
S 137 Total BTEX	1				0		5.00	5.47	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00063	Amount Added:	4.00	Units: uL	
14DIOXINTER_00068	Amount Added:	30.00	Units: uL	
MIX 2 Hi_00055	Amount Added:	1.00	Units: uL	
MIX I Hi_00072	Amount Added:	1.00	Units: uL	
GAS Hi_00197	Amount Added:	1.00	Units: uL	
8260SURR250_00155	Amount Added:	1.00	Units: uL	Run Reagent
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 24-Apr-2017 15:20:32 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68852.D

Injection Date: 19-Apr-2017 22:36:30 Instrument ID: CVOAMS5 Operator ID:

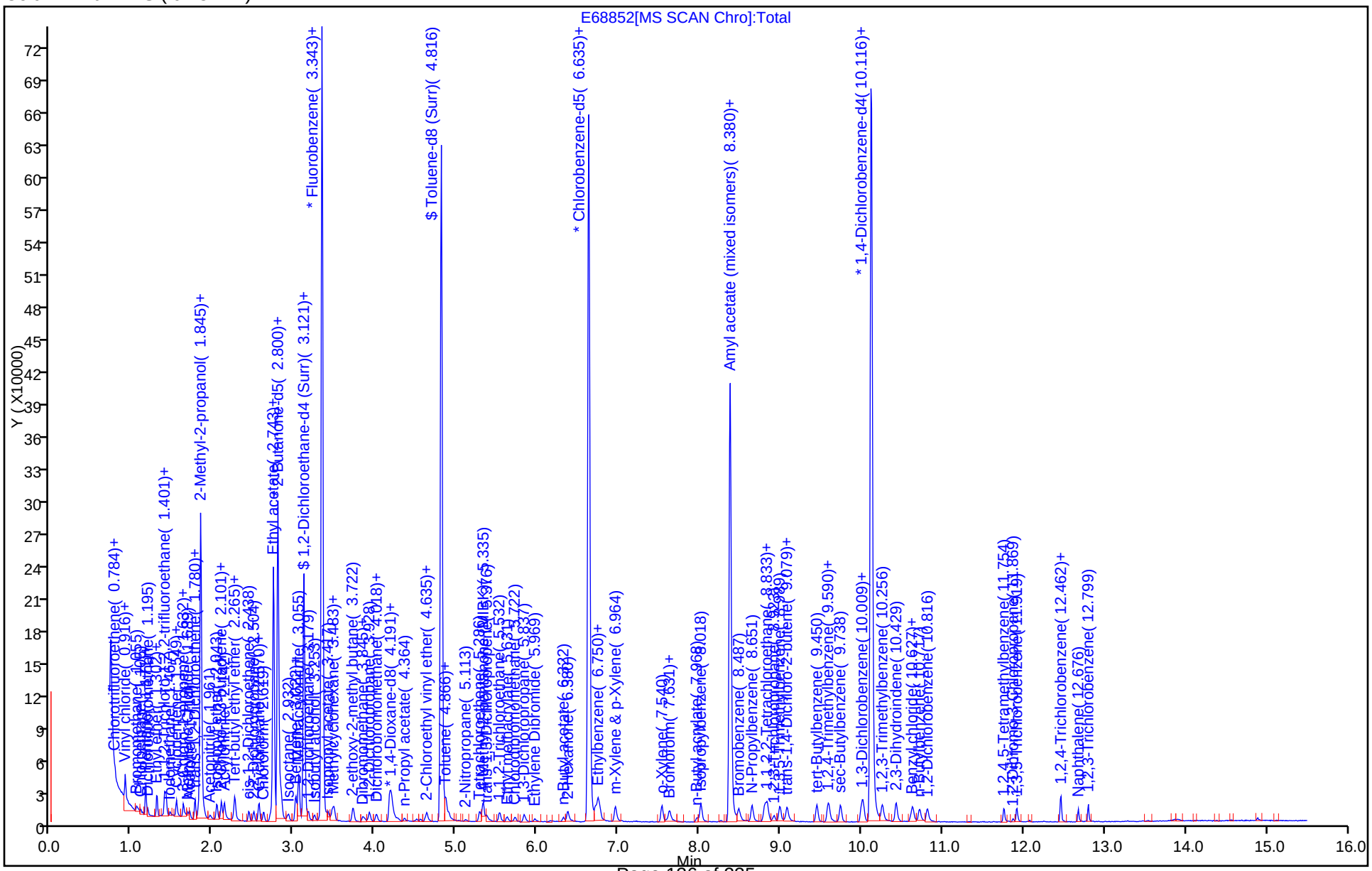
Lims ID: STD1 Worklist Smp#: 4

Client ID:

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

Method: 8260W_5 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-VMS (0.18 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

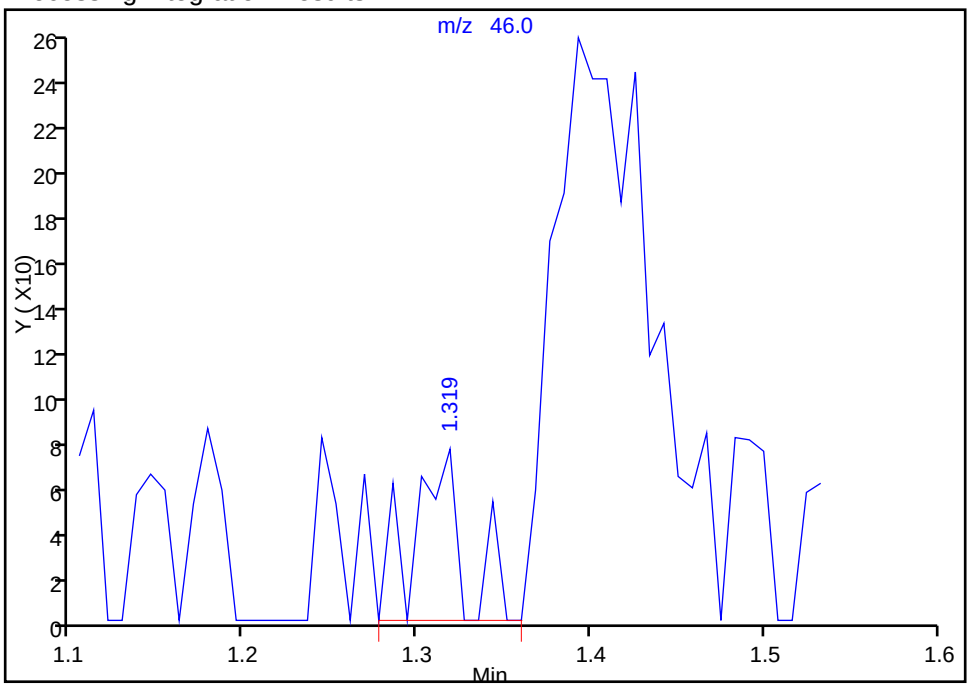
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68852.D
Injection Date: 19-Apr-2017 22:36:30 Instrument ID: CVOAMS5
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-VMS (0.18 mm) Detector MS SCAN

12 Ethanol, CAS: 64-17-5

Signal: 1

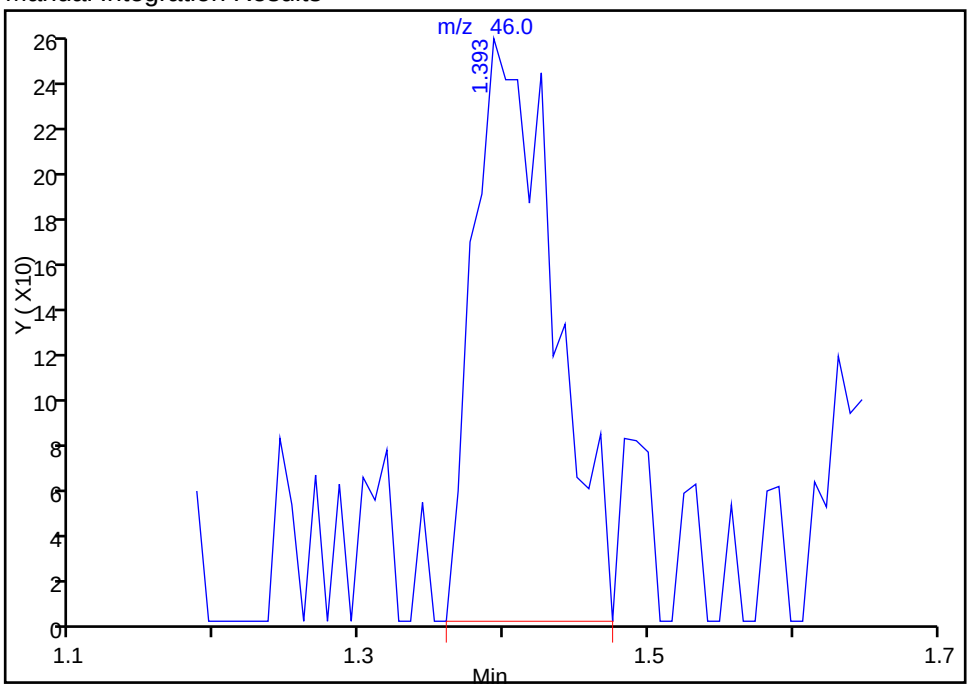
Processing Integration Results

RT: 1.32
Area: 150
Amount: 8.491984
Amount Units: ug/l



Manual Integration Results

RT: 1.39
Area: 993
Amount: 64.052794
Amount Units: ug/l



Reviewer: boykink, 20-Apr-2017 00:26:43
Audit Action: Assigned Compound ID Audit Reason:

Manual Integration/User Assign Peak Report

TestAmerica Edison

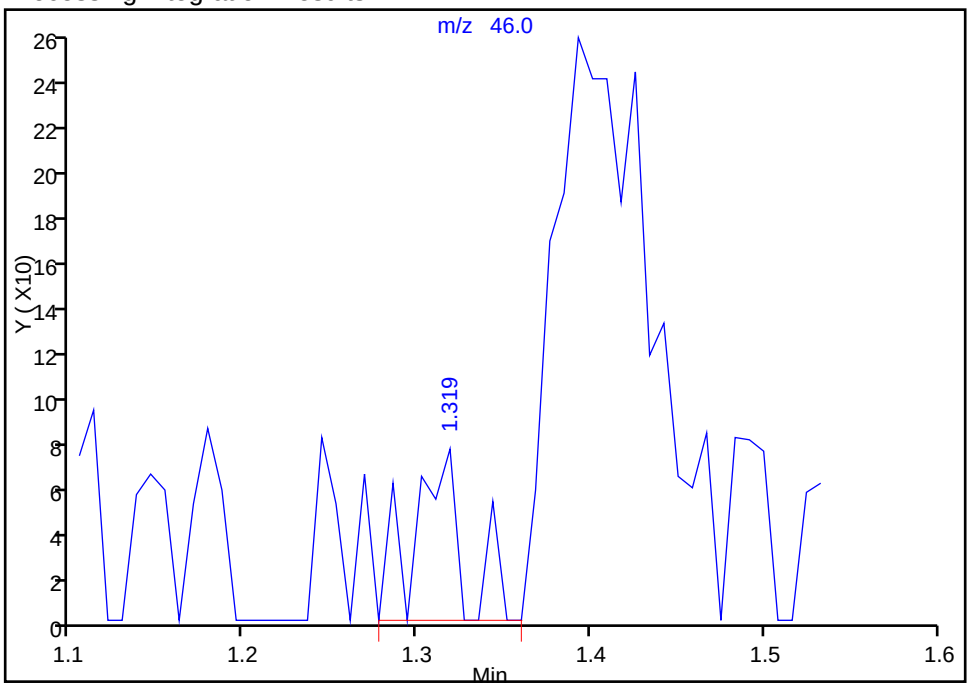
Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68852.D
Injection Date: 19-Apr-2017 22:36:30 Instrument ID: CVOAMS5
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-VMS (0.18 mm) Detector MS SCAN

12 Ethanol, CAS: 64-17-5

Signal: 1

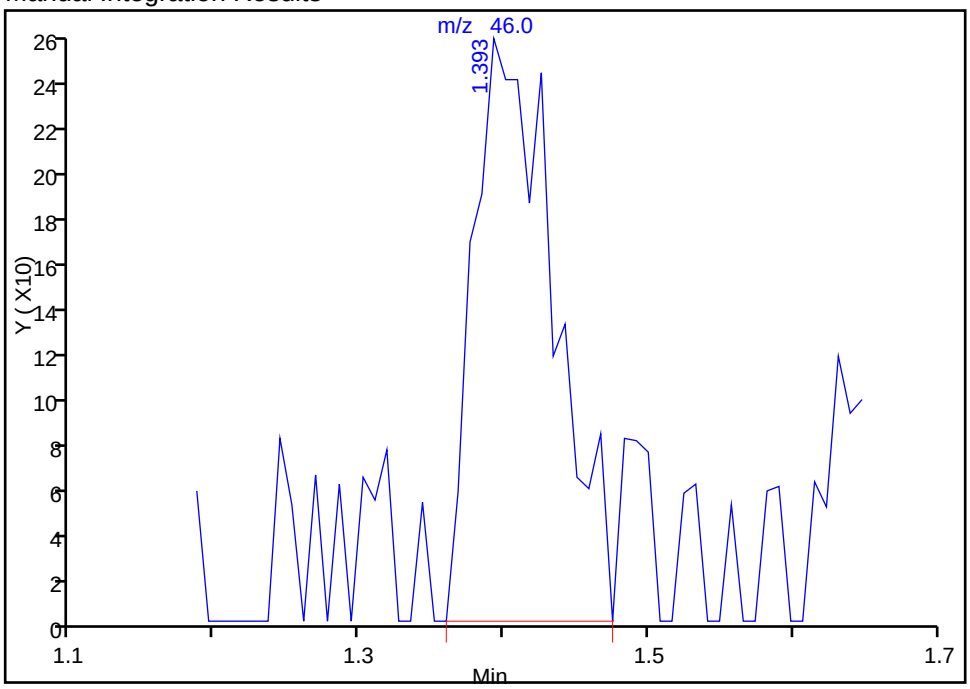
Processing Integration Results

RT: 1.32
Area: 150
Amount: 8.491984
Amount Units: ug/l



Manual Integration Results

RT: 1.39
Area: 993
Amount: 64.052794
Amount Units: ug/l



Reviewer: baronm, 24-Apr-2017 13:47:04
Audit Action: Manually Integrated Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68853.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 19-Apr-2017 23:01:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0053982-005
Operator ID: Instrument ID: CVOAMS5
Sublist: chrom-8260W_5*sub52

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Apr-2017 15:20:36 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: boykink Date: 19-Apr-2017 23:42:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.784	0.784	0.000	87	2734	5.00	4.95	
2 Dichlorodifluoromethane	85	0.792	0.792	0.000	98	19054	5.00	4.68	
3 Vinyl chloride	62	0.907	0.907	0.000	97	17827	5.00	4.67	
4 Butadiene	54	0.916	0.915	0.001	90	15057	5.00	4.74	
5 Chloromethane	50	0.916	0.915	0.001	88	22220	5.00	4.41	
6 Bromomethane	94	1.055	1.055	0.000	98	9933	5.00	4.58	
7 Chloroethane	64	1.105	1.105	0.000	99	10328	5.00	4.79	
8 Pentane	72	1.171	1.170	0.001	96	5104	10.0	9.28	
9 Trichlorofluoromethane	101	1.171	1.170	0.001	70	21994	5.00	4.74	
10 Dichlorofluoromethane	67	1.195	1.195	0.000	99	20203	5.00	4.35	
11 2-Methyl-1,3-butadiene	67	1.302	1.302	0.000	97	18638	5.00	4.40	
13 Ethyl ether	59	1.311	1.310	0.001	90	12137	5.00	4.62	
12 Ethanol	46	1.385	1.393	-0.008	77	3771	200.0	250.8	
15 1,2-Dichloro-1,1,2-trifluo	67	1.401	1.401	0.000	79	15361	5.00	4.66	
14 1,1-Dichloroethene	96	1.401	1.401	0.000	98	12228	5.00	4.47	
17 Carbon disulfide	76	1.418	1.417	0.001	100	41814	5.00	4.52	
16 1,1,2-Trichloro-1,2,2-trif	101	1.426	1.426	0.000	94	9932	5.00	4.23	
18 Iodomethane	142	1.475	1.475	0.000	99	16997	5.00	4.25	
19 Cyclopentene	67	1.549	1.549	0.000	97	32435	5.00	4.55	
20 Acrolein	56	1.566	1.565	0.001	93	5753	20.0	17.6	
21 3-Chloro-1-propene	76	1.631	1.631	0.000	89	7910	5.00	4.85	
22 Isopropyl alcohol	45	1.656	1.656	0.000	97	8169	50.0	49.9	
23 Methylene Chloride	84	1.689	1.689	0.000	94	15191	5.00	4.80	
24 Acetone	58	1.714	1.714	0.000	88	6125	25.0	25.8	
25 trans-1,2-Dichloroethene	96	1.771	1.771	0.000	96	14426	5.00	4.73	
26 Methyl acetate	74	1.780	1.779	0.001	99	10524	25.0	27.5	
27 Hexane	57	1.821	1.821	0.000	89	23372	5.00	4.45	
28 Methyl tert-butyl ether	73	1.829	1.829	0.000	98	42840	5.00	4.73	
* 29 TBA-d9 (IS)	65	1.845	1.845	0.000	99	247055	1000.0	1000.0	
30 2-Methyl-2-propanol	59	1.887	1.895	-0.008	99	16485	50.0	55.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acetonitrile	41	1.961	1.961	0.001	100	19103	50.0	51.0	
32 Isopropyl ether	45	2.043	2.043	0.000	96	45093	5.00	4.67	
33 2-Chloro-1,3-butadiene	88	2.101	2.092	0.009	93	12278	5.00	4.58	
34 1,1-Dichloroethane	63	2.109	2.109	0.000	100	25741	5.00	4.77	
35 Acrylonitrile	53	2.133	2.133	0.000	93	50814	50.0	44.1	
37 Vinyl acetate	86	2.265	2.265	0.000	99	6326	10.0	9.51	
36 Tert-butyl ethyl ether	59	2.265	2.265	0.000	89	45310	5.00	4.75	
38 cis-1,2-Dichloroethene	96	2.438	2.438	0.000	97	16186	5.00	5.07	
39 2,2-Dichloropropane	77	2.504	2.504	0.000	98	20168	5.00	4.83	
40 Cyclohexane	56	2.561	2.561	0.000	90	17507	5.00	4.47	
41 Chlorobromomethane	128	2.570	2.561	0.009	92	7475	5.00	4.88	
42 Chloroform	83	2.627	2.619	0.008	99	24311	5.00	4.90	
43 Carbon tetrachloride	117	2.710	2.709	0.001	98	15284	5.00	4.46	
44 Methyl acrylate	55	2.718	2.718	0.000	99	12231	5.00	4.66	
45 Ethyl acetate	70	2.718	2.718	0.000	99	3148	10.0	9.91	
46 Tetrahydrofuran	42	2.726	2.726	0.000	93	10528	10.0	9.11	
$ 47 Dibromofluoromethane (Surr	113	2.742	2.742	0.000	97	106156	50.0	50.5	
48 1,1,1-Trichloroethane	97	2.751	2.751	0.000	98	20374	5.00	4.83	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	99	273950	250.0	250.0	
50 2-Butanone (MEK)	72	2.833	2.833	0.000	96	11186	25.0	25.7	
51 1,1-Dichloropropene	75	2.841	2.841	0.000	94	19180	5.00	4.91	
52 Isooctane	57	2.932	2.923	0.009	98	28868	5.00	4.74	
53 n-Heptane	57	3.014	3.014	0.000	48	5922	5.00	4.26	
54 Benzene	78	3.022	3.014	0.008	96	55912	5.00	4.96	
55 Propionitrile	54	3.039	3.039	0.000	99	19079	50.0	50.1	
56 Methacrylonitrile	67	3.055	3.055	0.000	92	59185	50.0	46.0	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	98	125999	50.0	48.9	
58 Tert-amyl methyl ether	73	3.129	3.129	0.000	98	39997	5.00	4.72	
59 1,2-Dichloroethane	62	3.170	3.170	0.000	97	20543	5.00	4.94	
60 Isobutyl alcohol	43	3.253	3.244	0.009	98	12919	125.0	127.1	
63 t-Amyl alcohol	59	3.310	3.318	-0.008	97	9861	50.0	43.3	
* 61 Fluorobenzene	96	3.343	3.343	0.000	99	560035	50.0	50.0	
62 Isopropyl acetate	43	3.417	3.417	0.000	99	25372	5.00	4.94	
64 Methylcyclohexane	83	3.467	3.467	0.000	95	16672	5.00	4.46	
65 Trichloroethene	95	3.491	3.491	0.000	97	14192	5.00	4.73	
66 2-ethoxy-2-methyl butane	59	3.730	3.722	0.008	98	32602	5.00	4.61	
67 Dibromomethane	93	3.845	3.837	0.008	95	9208	5.00	4.89	
68 n-Butanol	56	3.862	3.853	0.009	87	6170	125.0	84.1	
69 1,2-Dichloropropane	63	3.928	3.927	0.001	89	14327	5.00	4.92	
71 Ethyl acrylate	55	4.010	4.010	0.000	97	15822	5.00	4.60	
70 Dichlorobromomethane	83	4.010	4.010	0.000	97	17280	5.00	4.78	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	96	30350	1000.0	1000.0	
73 Methyl methacrylate	100	4.199	4.199	0.000	87	7812	10.0	9.29	
74 1,4-Dioxane	88	4.207	4.207	0.000	91	3873	100.0	103.2	
75 n-Propyl acetate	43	4.356	4.347	0.009	98	16553	5.00	4.58	
76 2-Chloroethyl vinyl ether	63	4.611	4.602	0.009	95	9343	5.00	4.72	
77 cis-1,3-Dichloropropene	75	4.635	4.627	0.008	95	21514	5.00	4.82	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	99	423668	50.0	50.9	
79 Toluene	91	4.874	4.866	0.008	93	60011	5.00	4.83	
80 Epichlorohydrin	57	4.899	4.899	0.001	99	26867	100.0	102.7	
81 2-Nitropropane	41	5.113	5.112	0.001	99	5649	10.0	7.80	
82 Tetrachloroethene	166	5.285	5.285	0.000	97	14145	5.00	4.74	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 4-Methyl-2-pentanone (MIBK	43	5.327	5.326	0.001	96	64694	25.0	24.4	
84 trans-1,3-Dichloropropene	75	5.368	5.359	0.009	97	19054	5.00	4.70	
85 1,1,2-Trichloroethane	83	5.532	5.524	0.008	93	11201	5.00	5.18	
86 Ethyl methacrylate	69	5.615	5.614	0.001	87	17303	5.00	4.96	
87 Chlorodibromomethane	129	5.722	5.721	0.001	98	13853	5.00	4.88	
88 1,3-Dichloropropane	76	5.837	5.828	0.009	93	23346	5.00	5.13	
89 Ethylene Dibromide	107	5.960	5.952	0.008	99	13213	5.00	4.98	
90 n-Butyl acetate	43	6.314	6.314	0.000	98	16810	5.00	4.28	
91 2-Hexanone	43	6.364	6.363	0.001	94	46200	25.0	25.3	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	86	420688	50.0	50.0	
93 Chlorobenzene	112	6.652	6.651	0.001	95	40910	5.00	4.99	
94 Ethylbenzene	106	6.742	6.742	0.000	99	21361	5.00	4.87	
95 1,1,1,2-Tetrachloroethane	131	6.767	6.767	0.000	92	13222	5.00	4.84	
96 m-Xylene & p-Xylene	106	6.956	6.956	0.000	97	24768	5.00	4.83	
97 o-Xylene	106	7.532	7.532	0.000	94	24871	5.00	4.91	
98 Bromoform	173	7.598	7.598	0.000	92	7808	5.00	4.27	
99 Styrene	104	7.623	7.623	0.000	96	40385	5.00	4.93	
100 n-Butyl acrylate	73	7.960	7.952	0.008	97	8726	5.00	4.47	
101 Isopropylbenzene	105	8.018	8.018	0.000	96	64440	5.00	4.96	
102 Amyl acetate (mixed isomer	43	8.372	8.363	0.009	90	21181	5.00	4.42	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	91	140998	50.0	50.3	
104 Bromobenzene	156	8.487	8.478	0.009	96	18406	5.00	5.09	
105 N-Propylbenzene	91	8.643	8.643	0.000	99	74692	5.00	4.89	
106 1,1,2,2-Tetrachloroethane	83	8.791	8.791	0.000	96	17039	5.00	4.91	
107 2-Chlorotoluene	91	8.808	8.808	0.000	98	53397	5.00	4.93	
108 4-Ethyltoluene	105	8.832	8.832	0.000	99	63932	5.00	4.78	
109 1,2,3-Trichloropropane	110	8.915	8.915	0.000	97	5512	5.00	4.95	
110 1,3,5-Trimethylbenzene	105	8.989	8.989	0.000	93	55302	5.00	4.98	
111 trans-1,4-Dichloro-2-buten	53	9.055	9.046	0.009	83	5041	5.00	5.21	
112 4-Chlorotoluene	91	9.071	9.071	0.000	97	48937	5.00	4.89	
113 tert-Butylbenzene	119	9.450	9.450	0.000	95	45895	5.00	4.93	
114 1,2,4-Trimethylbenzene	105	9.581	9.581	0.000	97	54069	5.00	4.86	
115 Butyl Methacrylate	87	9.590	9.589	0.001	92	17895	5.00	4.66	
116 sec-Butylbenzene	105	9.738	9.738	0.000	98	65226	5.00	4.80	
117 1,3-Dichlorobenzene	146	9.993	9.984	0.009	96	33975	5.00	5.06	
118 4-Isopropyltoluene	119	10.018	10.017	0.001	98	56928	5.00	4.87	
* 119 1,4-Dichlorobenzene-d4	152	10.116	10.116	0.000	96	240822	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.141	10.141	0.000	94	35512	5.00	4.97	
121 1,2,3-Trimethylbenzene	105	10.256	10.256	0.000	0	55767	5.00	4.81	
122 2,3-Dihydroindene	117	10.421	10.421	0.000	94	59253	5.00	4.83	
123 Benzyl chloride	126	10.594	10.593	0.001	98	5084	5.00	4.24	
124 p-Diethylbenzene	119	10.627	10.626	0.001	94	30610	5.00	4.75	
125 n-Butylbenzene	92	10.709	10.709	0.000	98	24927	5.00	4.77	
126 1,2-Dichlorobenzene	146	10.808	10.807	0.001	96	33212	5.00	5.06	
127 1,2,4,5-Tetramethylbenzene	119	11.754	11.754	0.000	98	33925	5.00	4.27	
128 1,2-Dibromo-3-Chloropropan	157	11.869	11.869	0.000	95	3390	5.00	4.53	
129 1,3,5-Trichlorobenzene	180	11.910	11.910	0.000	98	21005	5.00	4.69	
130 1,2,4-Trichlorobenzene	180	12.454	12.445	0.009	94	19080	5.00	4.75	
131 Hexachlorobutadiene	225	12.462	12.462	0.000	91	6643	5.00	4.50	
132 Naphthalene	128	12.668	12.667	0.001	99	35866	5.00	4.24	
133 1,2,3-Trichlorobenzene	180	12.799	12.791	0.008	95	17250	5.00	4.65	
S 134 1,2-Dichloroethene, Total	100				0		10.0	9.81	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 1,3-Dichloropropene, Total	100				0		5.00	9.52	
S 136 Xylenes, Total	100				0		10.0	9.74	
S 137 Total BTEX	1				0		25.0	24.4	

Reagents:

MIX 2 Hi_00055	Amount Added:	1.00	Units: uL		
MIX I Hi_00072	Amount Added:	1.00	Units: uL		
ACROLEIN W_00063	Amount Added:	4.00	Units: uL		
GAS Hi_00197	Amount Added:	1.00	Units: uL		
8260SURR250_00155	Amount Added:	1.00	Units: uL	Run Reagent	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent	

Report Date: 24-Apr-2017 15:20:38 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68853.D

Injection Date: 19-Apr-2017 23:01:30 Instrument ID: CVOAMS5 Operator ID:

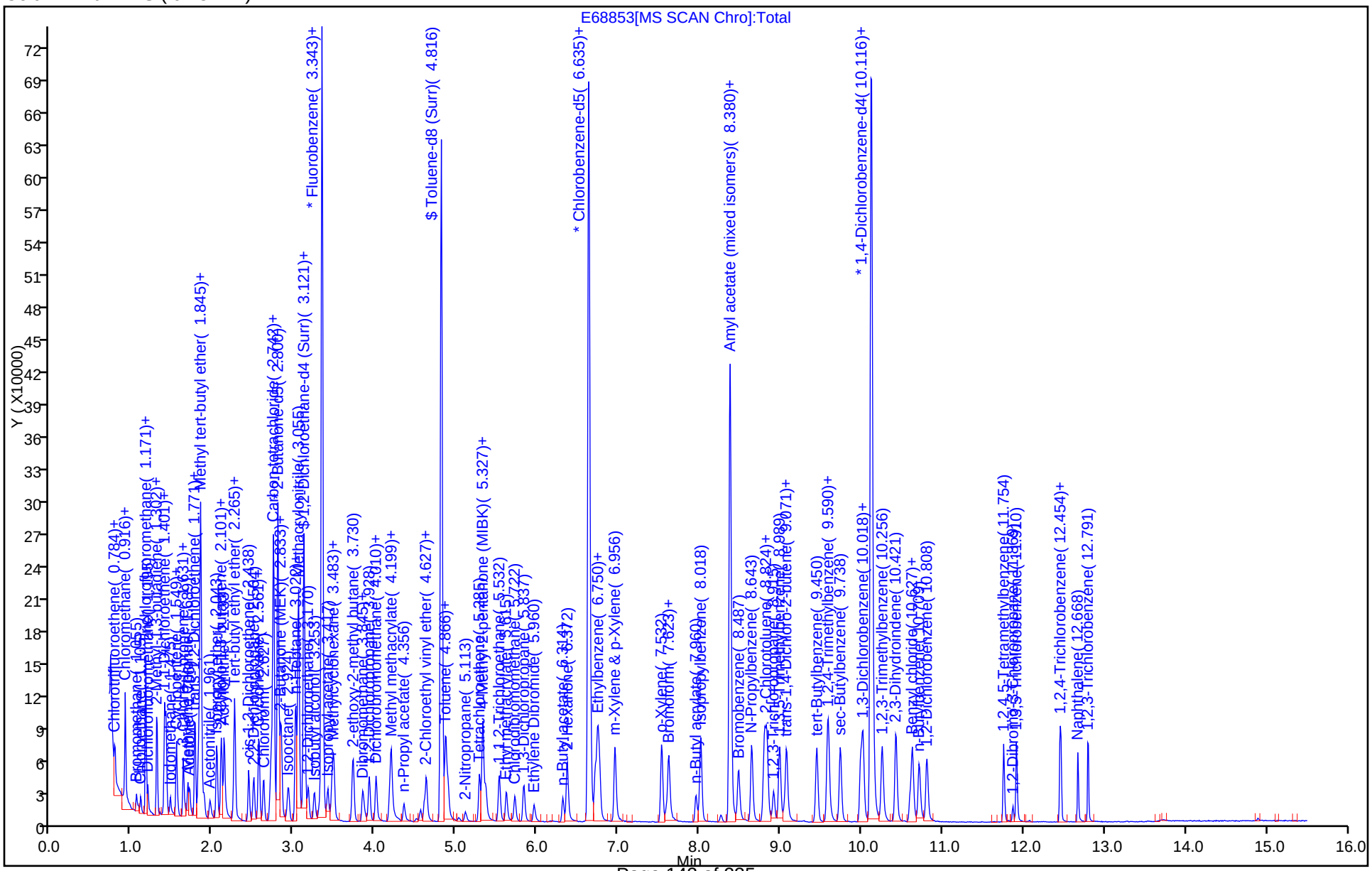
Lims ID: STD5 Worklist Smp#: 5

Client ID:

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

Method: 8260W_5 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-VMS (0.18 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68855.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 19-Apr-2017 23:53:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0053982-007
Operator ID: Instrument ID: CVOAMS5
Sublist: chrom-8260W_5*sub52

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Apr-2017 15:20:42 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: boykink Date: 20-Apr-2017 00:24:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.784	0.784	0.000	87	22962	50.0	40.9	
2 Dichlorodifluoromethane	85	0.792	0.792	0.000	99	182501	50.0	44.1	
3 Vinyl chloride	62	0.907	0.907	0.000	98	171840	50.0	44.3	
5 Chloromethane	50	0.915	0.915	0.000	88	231487	50.0	45.2	
4 Butadiene	54	0.915	0.915	0.000	90	140851	50.0	43.6	
6 Bromomethane	94	1.055	1.055	0.000	98	110513	50.0	50.1	
7 Chloroethane	64	1.105	1.105	0.000	100	108370	50.0	49.4	
9 Trichlorofluoromethane	101	1.170	1.170	0.000	68	219114	50.0	46.4	
8 Pentane	72	1.170	1.170	0.000	96	47933	100.0	85.7	
10 Dichlorofluoromethane	67	1.195	1.195	0.000	99	236580	50.0	50.1	
11 2-Methyl-1,3-butadiene	67	1.302	1.302	0.000	97	193610	50.0	44.9	
13 Ethyl ether	59	1.310	1.310	0.000	95	120714	50.0	45.2	
12 Ethanol	46	1.384	1.393	-0.009	100	33299	2000.0	1984.5	
14 1,1-Dichloroethene	96	1.401	1.401	0.000	98	119956	50.0	43.1	
15 1,2-Dichloro-1,1,2-trifluo	67	1.401	1.401	0.000	84	153327	50.0	45.7	
17 Carbon disulfide	76	1.417	1.417	0.000	100	417473	50.0	44.4	
16 1,1,2-Trichloro-1,2,2-trif	101	1.426	1.426	0.000	98	112219	50.0	47.0	
18 Iodomethane	142	1.475	1.475	0.000	99	199054	50.0	48.9	
19 Cyclopentene	67	1.549	1.549	0.000	97	320613	50.0	44.3	
20 Acrolein	56	1.565	1.565	0.000	94	33214	100.0	91.1	
21 3-Chloro-1-propene	76	1.631	1.631	0.000	90	79938	50.0	48.2	
22 Isopropyl alcohol	45	1.656	1.656	0.000	98	84778	500.0	516.2	
23 Methylene Chloride	84	1.689	1.689	0.000	93	147699	50.0	45.9	
24 Acetone	58	1.714	1.714	0.000	86	59676	250.0	250.1	
25 trans-1,2-Dichloroethene	96	1.771	1.771	0.000	95	138382	50.0	44.7	
26 Methyl acetate	74	1.779	1.779	0.000	99	112194	250.0	262.6	
27 Hexane	57	1.821	1.821	0.000	86	256847	50.0	48.1	
28 Methyl tert-butyl ether	73	1.829	1.829	0.000	87	431504	50.0	46.8	
* 29 TBA-d9 (IS)	65	1.845	1.845	0.000	99	276044	1000.0	1000.0	
30 2-Methyl-2-propanol	59	1.886	1.895	-0.009	99	146405	500.0	481.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acetonitrile	41	1.961	1.961	0.000	99	190919	500.0	456.5	
32 Isopropyl ether	45	2.043	2.043	0.000	95	458878	50.0	46.7	
33 2-Chloro-1,3-butadiene	88	2.092	2.092	0.000	92	127728	50.0	46.8	
34 1,1-Dichloroethane	63	2.109	2.109	0.000	100	256430	50.0	46.7	
35 Acrylonitrile	53	2.133	2.133	0.000	94	550648	500.0	470.1	
36 Tert-butyl ethyl ether	59	2.265	2.265	0.000	57	463689	50.0	47.8	
37 Vinyl acetate	86	2.265	2.265	0.000	99	65591	100.0	97.0	
38 cis-1,2-Dichloroethene	96	2.438	2.438	0.000	98	153009	50.0	47.2	
39 2,2-Dichloropropane	77	2.504	2.504	0.000	97	197565	50.0	46.5	
41 Chlorobromomethane	128	2.561	2.561	0.000	86	74341	50.0	47.7	
40 Cyclohexane	56	2.561	2.561	0.000	90	192891	50.0	48.5	
42 Chloroform	83	2.619	2.619	0.000	98	240938	50.0	47.8	
43 Carbon tetrachloride	117	2.709	2.709	0.000	98	160942	50.0	46.1	
45 Ethyl acetate	70	2.718	2.718	0.000	99	33672	100.0	95.7	
44 Methyl acrylate	55	2.718	2.718	0.000	61	131529	50.0	49.3	
46 Tetrahydrofuran	42	2.726	2.726	0.000	95	112820	100.0	88.1	
$ 47 Dibromofluoromethane (Surr	113	2.742	2.742	0.000	96	109694	50.0	51.3	
48 1,1,1-Trichloroethane	97	2.751	2.751	0.000	98	201661	50.0	47.0	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	100	303518	250.0	250.0	
50 2-Butanone (MEK)	72	2.833	2.833	0.000	98	103055	250.0	213.7	
51 1,1-Dichloropropene	75	2.841	2.841	0.000	96	178536	50.0	47.5	
52 Isooctane	57	2.932	2.923	0.009	99	288335	50.0	46.6	
54 Benzene	78	3.014	3.014	0.000	97	552926	50.0	47.4	
53 n-Heptane	57	3.014	3.014	0.000	50	70819	50.0	50.0	
55 Propionitrile	54	3.039	3.039	0.000	99	196655	500.0	462.2	
56 Methacrylonitrile	67	3.055	3.055	0.000	92	644607	500.0	493.1	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	97	130290	50.0	49.7	
58 Tert-amyl methyl ether	73	3.129	3.129	0.000	98	412110	50.0	47.9	
59 1,2-Dichloroethane	62	3.170	3.170	0.000	97	192779	50.0	45.6	
60 Isobutyl alcohol	43	3.244	3.244	0.000	99	141548	1250.0	1246.2	
63 t-Amyl alcohol	59	3.310	3.318	-0.008	98	108333	500.0	467.7	
* 61 Fluorobenzene	96	3.343	3.343	0.000	99	569528	50.0	50.0	
62 Isopropyl acetate	43	3.417	3.417	0.000	99	264727	50.0	50.7	
64 Methylcyclohexane	83	3.467	3.467	0.000	95	190859	50.0	50.3	
65 Trichloroethene	95	3.491	3.491	0.000	97	137597	50.0	45.1	
66 2-ethoxy-2-methyl butane	59	3.722	3.722	0.000	99	343694	50.0	47.8	
67 Dibromomethane	93	3.837	3.837	0.000	97	94256	50.0	49.3	
68 n-Butanol	56	3.853	3.853	0.000	88	93022	1250.0	1132.6	
69 1,2-Dichloropropane	63	3.927	3.927	0.000	89	142363	50.0	48.1	
70 Dichlorobromomethane	83	4.010	4.010	0.000	98	180606	50.0	49.1	
71 Ethyl acrylate	55	4.001	4.010	-0.009	98	185299	50.0	53.0	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	95	33338	1000.0	1000.0	
73 Methyl methacrylate	100	4.191	4.199	-0.008	87	89407	100.0	104.5	
74 1,4-Dioxane	88	4.207	4.207	0.000	95	38396	1000.0	931.0	
75 n-Propyl acetate	43	4.347	4.347	0.000	98	195121	50.0	53.1	
76 2-Chloroethyl vinyl ether	63	4.602	4.602	0.000	96	104510	50.0	51.9	
77 cis-1,3-Dichloropropene	75	4.627	4.627	0.000	94	231572	50.0	50.1	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	100	432708	50.0	50.2	
79 Toluene	91	4.866	4.866	0.000	93	595956	50.0	46.3	
80 Epichlorohydrin	57	4.890	4.899	-0.008	99	292172	1000.0	1007.7	
81 2-Nitropropane	41	5.112	5.112	0.000	98	71138	100.0	96.6	
82 Tetrachloroethene	166	5.285	5.285	0.000	97	141064	50.0	45.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 4-Methyl-2-pentanone (MIBK	43	5.326	5.326	0.000	96	682256	250.0	232.5	
84 trans-1,3-Dichloropropene	75	5.359	5.359	0.000	92	218662	50.0	52.0	
85 1,1,2-Trichloroethane	83	5.524	5.524	0.000	94	107086	50.0	47.8	
86 Ethyl methacrylate	69	5.615	5.614	0.000	88	186011	50.0	51.4	
87 Chlorodibromomethane	129	5.721	5.721	0.000	98	146277	50.0	49.8	
88 1,3-Dichloropropane	76	5.828	5.828	0.000	93	227870	50.0	48.3	
89 Ethylene Dibromide	107	5.952	5.952	0.000	98	137834	50.0	50.2	
90 n-Butyl acetate	43	6.306	6.314	-0.008	99	205170	50.0	50.4	
91 2-Hexanone	43	6.363	6.363	0.000	95	483275	250.0	238.9	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	87	435764	50.0	50.0	
93 Chlorobenzene	112	6.651	6.651	0.000	95	400891	50.0	47.3	
94 Ethylbenzene	106	6.742	6.742	0.000	99	210282	50.0	46.3	
95 1,1,1,2-Tetrachloroethane	131	6.767	6.767	0.000	94	137197	50.0	48.4	
96 m-Xylene & p-Xylene	106	6.956	6.956	0.000	96	258790	50.0	48.7	
97 o-Xylene	106	7.532	7.532	0.000	94	253876	50.0	48.4	
98 Bromoform	173	7.590	7.598	-0.008	94	98346	50.0	51.9	
99 Styrene	104	7.614	7.623	-0.009	96	440417	50.0	51.9	
100 n-Butyl acrylate	73	7.952	7.952	0.000	98	113018	50.0	55.9	
101 Isopropylbenzene	105	8.018	8.018	0.000	96	635681	50.0	47.2	
102 Amyl acetate (mixed isomer	43	8.363	8.363	0.000	91	256261	50.0	51.7	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	91	146775	50.0	50.5	
104 Bromobenzene	156	8.478	8.478	0.000	96	177390	50.0	47.4	
105 N-Propylbenzene	91	8.643	8.643	0.000	99	757163	50.0	47.9	
106 1,1,2,2-Tetrachloroethane	83	8.791	8.791	0.000	97	172527	50.0	48.0	
107 2-Chlorotoluene	91	8.808	8.808	0.000	97	529863	50.0	47.3	
108 4-Ethyltoluene	105	8.832	8.832	0.000	98	666814	50.0	48.2	
109 1,2,3-Trichloropropane	110	8.915	8.915	0.000	98	53927	50.0	46.8	
110 1,3,5-Trimethylbenzene	105	8.989	8.989	0.000	94	548581	50.0	47.7	
111 trans-1,4-Dichloro-2-buten	53	9.046	9.046	0.000	90	53093	50.0	53.0	
112 4-Chlorotoluene	91	9.071	9.071	0.000	97	497765	50.0	48.0	
113 tert-Butylbenzene	119	9.450	9.450	0.000	94	461681	50.0	47.9	
114 1,2,4-Trimethylbenzene	105	9.573	9.581	-0.008	97	566569	50.0	49.2	
115 Butyl Methacrylate	87	9.589	9.589	0.000	92	212525	50.0	53.5	
116 sec-Butylbenzene	105	9.738	9.738	0.000	99	652517	50.0	46.4	
117 1,3-Dichlorobenzene	146	9.984	9.984	0.000	96	328703	50.0	47.3	
118 4-Isopropyltoluene	119	10.017	10.017	0.000	98	584061	50.0	48.3	
* 119 1,4-Dichlorobenzene-d4	152	10.124	10.116	0.008	95	249198	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.141	10.141	0.000	94	342259	50.0	46.2	
121 1,2,3-Trimethylbenzene	105	10.256	10.256	0.000	0	597748	50.0	49.8	
122 2,3-Dihydroindene	117	10.421	10.421	0.000	94	613662	50.0	48.3	
123 Benzyl chloride	126	10.593	10.593	0.000	99	71325	50.0	53.9	
124 p-Diethylbenzene	119	10.626	10.626	0.000	94	329062	50.0	49.4	
125 n-Butylbenzene	92	10.709	10.709	0.000	98	261529	50.0	48.4	
126 1,2-Dichlorobenzene	146	10.799	10.807	-0.008	96	324178	50.0	47.7	
127 1,2,4,5-Tetramethylbenzene	119	11.754	11.754	0.000	97	424824	50.0	51.7	
128 1,2-Dibromo-3-Chloropropan	157	11.869	11.869	0.000	95	40174	50.0	51.9	
129 1,3,5-Trichlorobenzene	180	11.910	11.910	0.000	98	230403	50.0	49.7	
130 1,2,4-Trichlorobenzene	180	12.445	12.445	0.000	93	213734	50.0	51.4	
131 Hexachlorobutadiene	225	12.462	12.462	0.000	91	65504	50.0	42.9	
132 Naphthalene	128	12.667	12.667	0.000	99	462520	50.0	52.9	
133 1,2,3-Trichlorobenzene	180	12.791	12.791	0.000	96	190487	50.0	49.6	
S 134 1,2-Dichloroethene, Total	100				0		100.0	91.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 1,3-Dichloropropene, Total	100				0		50.0	102.1	
S 136 Xylenes, Total	100				0		100.0	97.1	
S 137 Total BTEX	1				0		250.0	237.0	

Reagents:

MIX 2 Hi_00055	Amount Added:	5.00	Units: uL	
MIX I Hi_00072	Amount Added:	5.00	Units: uL	
ACROLEIN W_00063	Amount Added:	10.00	Units: uL	
GAS Hi_00197	Amount Added:	5.00	Units: uL	
8260SURR250_00155	Amount Added:	1.00	Units: uL	Run Reagent
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 24-Apr-2017 15:20:44 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68855.D

Injection Date: 19-Apr-2017 23:53:30 Instrument ID: CVOAMS5 Operator ID:

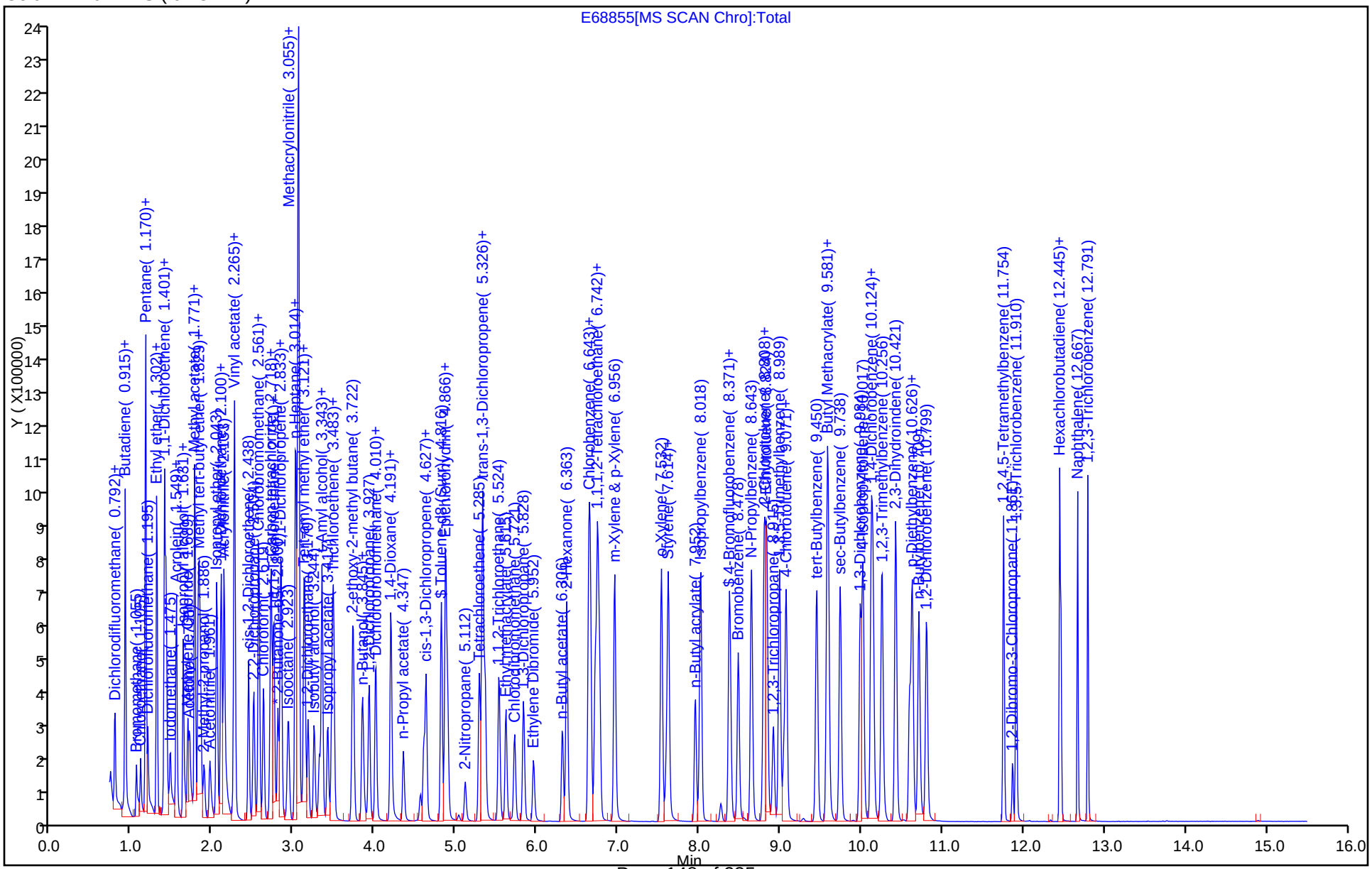
Lims ID: STD50 Worklist Smp#: 7

Client ID:

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

Method: 8260W_5 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-VMS (0.18 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68856.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 20-Apr-2017 00:19:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0053982-008
Operator ID: Instrument ID: CVOAMS5
Sublist: chrom-8260W_5*sub52

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Apr-2017 15:20:48 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: boykink Date: 20-Apr-2017 03:29:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.784	0.784	0.000	88	113873	200.0	196.2	
2 Dichlorodifluoromethane	85	0.792	0.792	0.000	99	801353	200.0	187.4	
3 Vinyl chloride	62	0.907	0.907	0.000	98	761089	200.0	190.0	
4 Butadiene	54	0.916	0.915	0.001	93	665530	200.0	199.5	
5 Chloromethane	50	0.916	0.915	0.001	99	1061435	200.0	200.6	
6 Bromomethane	94	1.055	1.055	0.000	99	480175	200.0	211.0	
7 Chloroethane	64	1.105	1.105	0.000	100	462756	200.0	204.3	
8 Pentane	72	1.162	1.170	-0.008	97	228653	400.0	396.0	
9 Trichlorofluoromethane	101	1.171	1.170	0.001	97	928401	200.0	190.4	
10 Dichlorofluoromethane	67	1.195	1.195	0.000	99	1076054	200.0	220.7	
11 2-Methyl-1,3-butadiene	67	1.302	1.302	0.000	97	913771	200.0	205.4	
13 Ethyl ether	59	1.311	1.310	0.001	94	528471	200.0	191.6	
12 Ethanol	46	1.393	1.393	0.000	99	142552	8000.0	8019.8	
15 1,2-Dichloro-1,1,2-trifluo	67	1.401	1.401	0.000	91	687097	200.0	198.4	
14 1,1-Dichloroethene	96	1.401	1.401	0.000	98	547171	200.0	190.4	
17 Carbon disulfide	76	1.418	1.417	0.001	100	1920011	200.0	197.5	
16 1,1,2-Trichloro-1,2,2-trif	101	1.418	1.426	-0.008	98	523239	200.0	212.0	
18 Iodomethane	142	1.467	1.475	-0.008	99	948534	200.0	225.7	
19 Cyclopentene	67	1.549	1.549	0.000	97	1442760	200.0	192.8	
20 Acrolein	56	1.566	1.565	0.001	95	82479	200.0	212.6	
21 3-Chloro-1-propene	76	1.632	1.631	0.001	90	291282	200.0	170.1	
22 Isopropyl alcohol	45	1.656	1.656	0.000	99	355754	2000.0	2054.4	
23 Methylene Chloride	84	1.689	1.689	0.000	94	644743	200.0	194.0	
24 Acetone	58	1.714	1.714	0.000	86	266623	1000.0	1071.3	
25 trans-1,2-Dichloroethene	96	1.771	1.771	0.000	97	607335	200.0	189.8	
26 Methyl acetate	74	1.780	1.779	0.001	99	480488	1000.0	1057.0	
27 Hexane	57	1.813	1.821	-0.008	86	1128064	200.0	204.6	
28 Methyl tert-butyl ether	73	1.829	1.829	0.000	95	1876148	200.0	197.2	
* 29 TBA-d9 (IS)	65	1.854	1.845	0.009	99	293732	1000.0	1000.0	
30 2-Methyl-2-propanol	59	1.895	1.895	0.000	99	632040	2000.0	1968.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acetonitrile	41	1.961	1.961	0.001	99	823420	2000.0	1850.5	
32 Isopropyl ether	45	2.043	2.043	0.000	95	1966796	200.0	193.9	
33 2-Chloro-1,3-butadiene	88	2.092	2.092	0.000	92	562784	200.0	199.7	
34 1,1-Dichloroethane	63	2.109	2.109	0.000	100	1112487	200.0	196.2	
35 Acrylonitrile	53	2.142	2.133	0.009	94	2473064	2000.0	2044.4	
37 Vinyl acetate	86	2.265	2.265	0.000	99	295074	400.0	422.5	
36 Tert-butyl ethyl ether	59	2.265	2.265	0.000	56	2024686	200.0	202.1	
38 cis-1,2-Dichloroethene	96	2.438	2.438	0.000	98	645787	200.0	192.7	
39 2,2-Dichloropropane	77	2.504	2.504	0.000	97	861180	200.0	196.5	
40 Cyclohexane	56	2.561	2.561	0.000	90	871349	200.0	212.0	
41 Chlorobromomethane	128	2.570	2.561	0.009	93	327483	200.0	203.6	
42 Chloroform	83	2.619	2.619	0.000	98	1028011	200.0	197.3	
43 Carbon tetrachloride	117	2.710	2.709	0.001	98	748168	200.0	207.7	
44 Methyl acrylate	55	2.718	2.718	0.000	62	582268	200.0	211.4	
45 Ethyl acetate	70	2.718	2.718	0.000	100	148886	400.0	433.3	
46 Tetrahydrofuran	42	2.726	2.726	0.000	95	481534	400.0	385.1	
$ 47 Dibromofluoromethane (Surr	113	2.743	2.742	0.001	96	112952	50.0	51.2	
48 1,1,1-Trichloroethane	97	2.751	2.751	0.000	98	886241	200.0	199.9	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	97	296324	250.0	250.0	
50 2-Butanone (MEK)	72	2.833	2.833	0.000	99	425154	1000.0	903.2	
51 1,1-Dichloropropene	75	2.841	2.841	0.000	96	792143	200.0	205.1	
52 Isooctane	57	2.932	2.923	0.009	99	1249509	200.0	195.4	
53 n-Heptane	57	3.022	3.014	0.008	52	325918	200.0	223.0	
54 Benzene	78	3.022	3.014	0.008	96	2381036	200.0	188.7	
55 Propionitrile	54	3.047	3.039	0.008	99	951264	2000.0	2101.3	
56 Methacrylonitrile	67	3.063	3.055	0.008	93	2823572	2000.0	2091.5	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	97	140067	50.0	51.8	
58 Tert-amyl methyl ether	73	3.129	3.129	0.000	98	1795382	200.0	201.9	
59 1,2-Dichloroethane	62	3.170	3.170	0.000	97	822802	200.0	188.4	
60 Isobutyl alcohol	43	3.253	3.244	0.009	98	653414	5000.0	5406.5	
63 t-Amyl alcohol	59	3.319	3.318	0.001	97	486722	2000.0	2034.8	
* 61 Fluorobenzene	96	3.343	3.343	0.000	99	588152	50.0	50.0	
62 Isopropyl acetate	43	3.417	3.417	0.000	99	1148121	200.0	212.8	
64 Methylcyclohexane	83	3.475	3.467	0.008	95	874173	200.0	222.9	
65 Trichloroethene	95	3.491	3.491	0.000	98	608445	200.0	193.2	
66 2-ethoxy-2-methyl butane	59	3.730	3.722	0.008	99	1510991	200.0	203.6	
67 Dibromomethane	93	3.837	3.837	0.000	97	413925	200.0	209.5	
68 n-Butanol	56	3.854	3.853	0.001	87	445844	5000.0	5066.8	
69 1,2-Dichloropropane	63	3.928	3.927	0.001	89	611928	200.0	200.1	
71 Ethyl acrylate	55	4.002	4.010	-0.008	98	839662	200.0	232.7	
70 Dichlorobromomethane	83	4.010	4.010	0.000	99	814383	200.0	214.4	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	96	34424	1000.0	1000.0	
73 Methyl methacrylate	100	4.199	4.199	0.000	87	385164	400.0	436.0	
74 1,4-Dioxane	88	4.207	4.207	0.000	94	165973	4000.0	3897.5	
75 n-Propyl acetate	43	4.347	4.347	0.000	98	873297	200.0	230.0	
76 2-Chloroethyl vinyl ether	63	4.602	4.602	0.000	96	457185	200.0	220.0	
77 cis-1,3-Dichloropropene	75	4.627	4.627	0.000	95	1039630	200.0	208.1	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	99	454069	50.0	48.8	
79 Toluene	91	4.874	4.866	0.008	93	2614144	200.0	188.0	
80 Epichlorohydrin	57	4.899	4.899	0.001	99	1289334	4000.0	4555.0	
81 2-Nitropropane	41	5.113	5.112	0.001	98	331805	400.0	436.5	
82 Tetrachloroethene	166	5.286	5.285	0.001	97	639398	200.0	191.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 4-Methyl-2-pentanone (MIBK	43	5.335	5.326	0.009	96	3041551	1000.0	1061.5	
84 trans-1,3-Dichloropropene	75	5.360	5.359	0.001	98	995947	200.0	219.3	
85 1,1,2-Trichloroethane	83	5.532	5.524	0.008	94	478506	200.0	197.7	
86 Ethyl methacrylate	69	5.615	5.614	0.001	88	845042	200.0	216.3	
87 Chlorodibromomethane	129	5.722	5.721	0.001	98	684138	200.0	215.5	
88 1,3-Dichloropropane	76	5.837	5.828	0.009	93	1000008	200.0	196.3	
89 Ethylene Dibromide	107	5.952	5.952	0.000	99	613844	200.0	206.8	
90 n-Butyl acetate	43	6.314	6.314	0.000	99	987053	200.0	224.5	
91 2-Hexanone	43	6.364	6.363	0.001	95	2088036	1000.0	1057.3	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	85	470813	50.0	50.0	
93 Chlorobenzene	112	6.660	6.651	0.009	94	1775697	200.0	193.7	
94 Ethylbenzene	106	6.750	6.742	0.008	99	958735	200.0	195.2	
95 1,1,1,2-Tetrachloroethane	131	6.775	6.767	0.008	95	642650	200.0	210.0	
96 m-Xylene & p-Xylene	106	6.956	6.956	0.000	96	1167075	200.0	203.3	
97 o-Xylene	106	7.532	7.532	0.000	94	1134359	200.0	200.0	
98 Bromoform	173	7.598	7.598	0.000	94	486897	200.0	238.0	
99 Styrene	104	7.623	7.623	0.000	95	1963627	200.0	214.3	
100 n-Butyl acrylate	73	7.952	7.952	0.000	98	522658	200.0	239.2	
101 Isopropylbenzene	105	8.018	8.018	0.000	96	2897663	200.0	199.3	
102 Amyl acetate (mixed isomer	43	8.363	8.363	0.000	91	1171557	200.0	216.9	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	90	154725	50.0	49.3	
104 Bromobenzene	156	8.487	8.478	0.009	95	804350	200.0	197.3	
105 N-Propylbenzene	91	8.643	8.643	0.000	99	3413735	200.0	198.1	
106 1,1,2,2-Tetrachloroethane	83	8.791	8.791	0.000	97	795615	200.0	203.2	
107 2-Chlorotoluene	91	8.808	8.808	0.000	97	2404866	200.0	197.1	
108 4-Ethyltoluene	105	8.841	8.832	0.009	98	3004037	200.0	199.3	
109 1,2,3-Trichloropropane	110	8.915	8.915	0.000	97	243558	200.0	194.2	
110 1,3,5-Trimethylbenzene	105	8.997	8.989	0.008	93	2471403	200.0	197.5	
111 trans-1,4-Dichloro-2-buten	53	9.046	9.046	0.000	92	252167	200.0	231.1	
112 4-Chlorotoluene	91	9.079	9.071	0.008	97	2222045	200.0	196.9	
113 tert-Butylbenzene	119	9.450	9.450	0.000	94	2096931	200.0	199.8	
114 1,2,4-Trimethylbenzene	105	9.581	9.581	0.000	97	2581526	200.0	205.8	
115 Butyl Methacrylate	87	9.598	9.589	0.009	91	994378	200.0	229.6	
116 sec-Butylbenzene	105	9.746	9.738	0.008	98	2977415	200.0	194.6	
117 1,3-Dichlorobenzene	146	9.993	9.984	0.009	96	1476426	200.0	195.0	
118 4-Isopropyltoluene	119	10.026	10.017	0.009	98	2684219	200.0	203.8	
* 119 1,4-Dichlorobenzene-d4	152	10.125	10.116	0.009	95	271434	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.149	10.141	0.008	96	1505114	200.0	186.7	
121 1,2,3-Trimethylbenzene	105	10.256	10.256	0.000	0	2686254	200.0	205.4	
122 2,3-Dihydroindene	117	10.429	10.421	0.008	94	2715550	200.0	196.2	
123 Benzyl chloride	126	10.594	10.593	0.001	99	351718	200.0	220.2	
124 p-Diethylbenzene	119	10.635	10.626	0.009	95	1493202	200.0	205.6	
125 n-Butylbenzene	92	10.709	10.709	0.000	98	1215661	200.0	206.4	
126 1,2-Dichlorobenzene	146	10.808	10.807	0.001	96	1436106	200.0	194.1	
127 1,2,4,5-Tetramethylbenzene	119	11.754	11.754	0.000	97	2084041	200.0	232.7	
128 1,2-Dibromo-3-Chloropropan	157	11.869	11.869	0.000	95	190356	200.0	225.8	
129 1,3,5-Trichlorobenzene	180	11.910	11.910	0.000	98	1021231	200.0	202.2	
130 1,2,4-Trichlorobenzene	180	12.445	12.445	0.000	94	965483	200.0	213.2	
131 Hexachlorobutadiene	225	12.462	12.462	0.000	93	301698	200.0	181.2	
132 Naphthalene	128	12.668	12.667	0.001	99	2209630	200.0	231.8	
133 1,2,3-Trichlorobenzene	180	12.791	12.791	0.000	96	876796	200.0	209.7	
S 134 1,2-Dichloroethene, Total	100				0		400.0	382.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 1,3-Dichloropropene, Total	100				0		200.0	427.4	
S 136 Xylenes, Total	100				0		400.0	403.3	
S 137 Total BTEX	1				0		1000.0	975.4	

Reagents:

MIX 2 Hi_00055	Amount Added:	20.00	Units: uL	
MIX I Hi_00072	Amount Added:	20.00	Units: uL	
ACROLEIN W_00063	Amount Added:	20.00	Units: uL	
GAS Hi_00197	Amount Added:	20.00	Units: uL	
8260SURR250_00155	Amount Added:	1.00	Units: uL	Run Reagent
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 24-Apr-2017 15:20:49 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68856.D

Injection Date: 20-Apr-2017 00:19:30 Instrument ID: CVOAMS5 Operator ID:

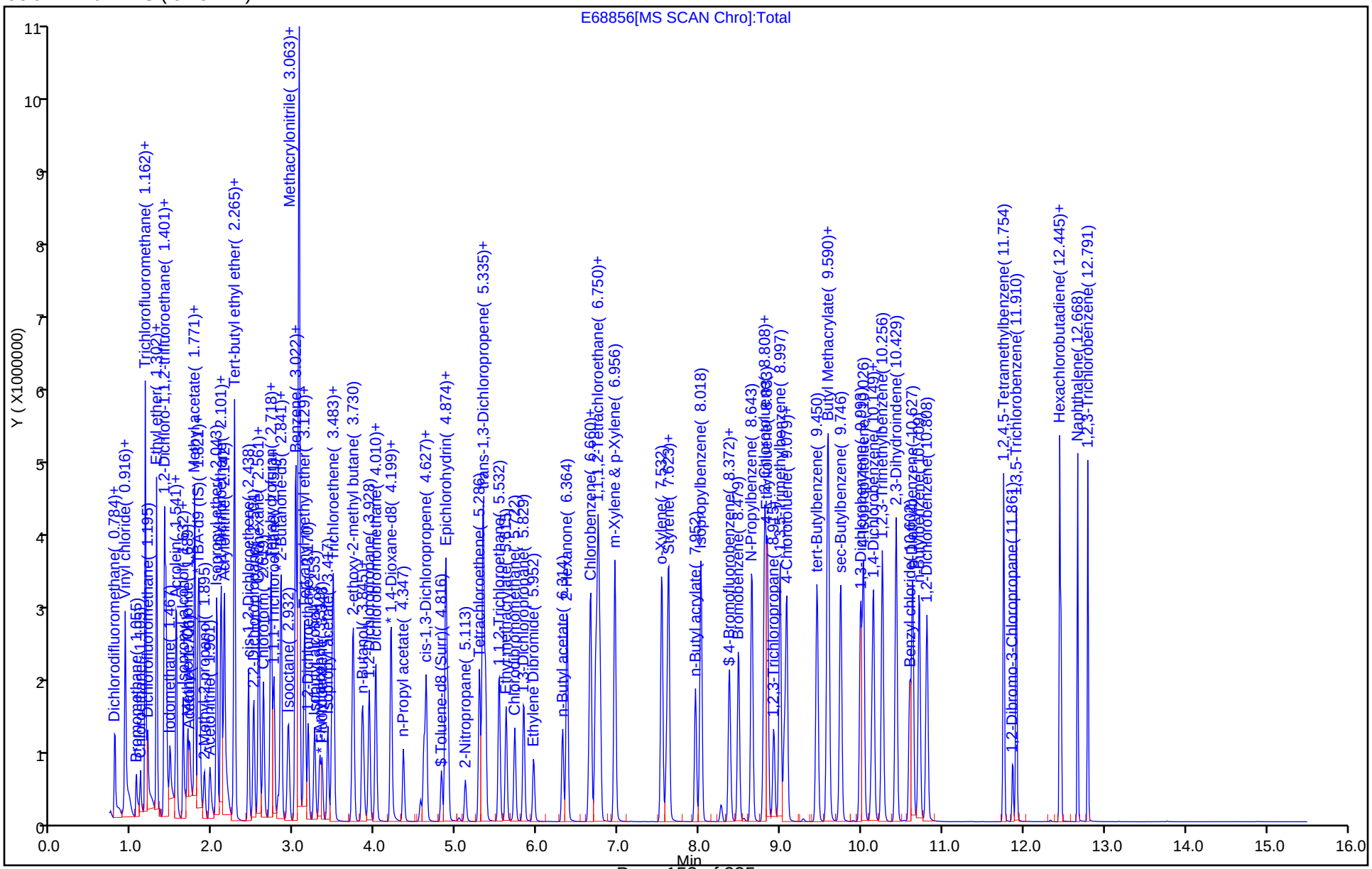
Lims ID: STD200 Worklist Smp#: 8

Client ID:

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

Method: 8260W_5 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-VMS (0.18 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68857.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 20-Apr-2017 00:45:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0053982-009
Operator ID: Instrument ID: CVOAMS5
Sublist: chrom-8260W_5*sub52

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Apr-2017 15:20:53 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: boykink Date: 20-Apr-2017 03:30:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.784	0.784	0.000	88	313093	500.0	510.7	
2 Dichlorodifluoromethane	85	0.792	0.792	0.000	99	2066013	500.0	457.3	
3 Vinyl chloride	62	0.907	0.907	0.000	98	1954925	500.0	461.9	
5 Chloromethane	50	0.915	0.915	0.000	96	2729589	500.0	488.2	
4 Butadiene	54	0.915	0.915	0.000	78	1718269	500.0	487.4	
6 Bromomethane	94	1.047	1.055	-0.008	99	1082818	500.0	450.3	
7 Chloroethane	64	1.105	1.105	0.000	99	856484	500.0	357.9	
9 Trichlorofluoromethane	101	1.162	1.170	-0.008	98	2329652	500.0	452.2	
8 Pentane	72	1.162	1.170	-0.008	96	418108	1000.0	685.3	
10 Dichlorofluoromethane	67	1.187	1.195	-0.008	99	2761353	500.0	536.0	
11 2-Methyl-1,3-butadiene	67	1.294	1.302	-0.008	97	2518799	500.0	535.8	
13 Ethyl ether	59	1.310	1.310	0.000	95	1422717	500.0	488.1	
12 Ethanol	46	1.409	1.393	0.016	33	390478	20000	19997	
14 1,1-Dichloroethene	96	1.401	1.401	0.000	98	1517787	500.0	499.8	
15 1,2-Dichloro-1,1,2-trifluo	67	1.401	1.401	0.000	80	1677797	500.0	458.5	
17 Carbon disulfide	76	1.417	1.417	0.000	100	5250545	500.0	511.3	
16 1,1,2-Trichloro-1,2,2-trif	101	1.417	1.426	-0.009	98	1535060	500.0	588.8	
18 Iodomethane	142	1.467	1.475	-0.008	100	2554561	500.0	575.2	
19 Cyclopentene	67	1.541	1.549	-0.008	97	4238440	500.0	536.2	
20 Acrolein	56	1.565	1.565	0.000	96	182750	400.0	425.1	
21 3-Chloro-1-propene	76	1.631	1.631	0.000	90	827262	500.0	457.2	
22 Isopropyl alcohol	45	1.681	1.656	0.025	93	993853	5000.0	5187.7	
23 Methylene Chloride	84	1.689	1.689	0.000	95	1692998	500.0	482.1	
24 Acetone	58	1.714	1.714	0.000	94	716661	2500.0	2442.5	
25 trans-1,2-Dichloroethene	96	1.771	1.771	0.000	96	1679168	500.0	496.6	
26 Methyl acetate	74	1.779	1.779	0.000	99	1182366	2500.0	2346.8	
27 Hexane	57	1.812	1.821	-0.009	92	3086754	500.0	530.0	
28 Methyl tert-butyl ether	73	1.829	1.829	0.000	98	5035067	500.0	500.9	
* 29 TBA-d9 (IS)	65	1.862	1.845	0.017	99	325572	1000.0	1000.0	
30 2-Methyl-2-propanol	59	1.903	1.895	0.008	98	1736231	5000.0	4887.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acetonitrile	41	1.969	1.961	0.009	98	2121702	5000.0	4301.8	
32 Isopropyl ether	45	2.051	2.043	0.008	95	5088696	500.0	474.9	
33 2-Chloro-1,3-butadiene	88	2.092	2.092	0.000	92	1468600	500.0	493.2	
34 1,1-Dichloroethane	63	2.109	2.109	0.000	100	3033135	500.0	506.3	
35 Acrylonitrile	53	2.150	2.133	0.017	94	6708689	5000.0	5249.0	
36 Tert-butyl ethyl ether	59	2.265	2.265	0.000	89	5414755	500.0	511.5	
37 Vinyl acetate	86	2.265	2.265	0.000	99	802295	1000.0	1087.4	
38 cis-1,2-Dichloroethene	96	2.438	2.438	0.000	98	1815726	500.0	512.9	
39 2,2-Dichloropropane	77	2.504	2.504	0.000	97	2200911	500.0	475.2	
41 Chlorobromomethane	128	2.570	2.561	0.009	91	885265	500.0	520.9	
40 Cyclohexane	56	2.561	2.561	0.000	90	2401984	500.0	553.1	
42 Chloroform	83	2.627	2.619	0.008	98	2724710	500.0	495.0	
43 Carbon tetrachloride	117	2.709	2.709	0.000	98	2036349	500.0	535.0	
45 Ethyl acetate	70	2.718	2.718	0.000	99	408449	1000.0	1130.9	
44 Methyl acrylate	55	2.718	2.718	0.000	69	1567786	500.0	538.9	
46 Tetrahydrofuran	42	2.726	2.726	0.000	98	1266267	1000.0	963.4	
$ 47 Dibromofluoromethane (Surr	113	2.751	2.742	0.009	30	104510	50.0	44.8	
48 1,1,1-Trichloroethane	97	2.751	2.751	0.000	99	2350322	500.0	501.7	
* 49 2-Butanone-d5	46	2.808	2.800	0.008	94	311438	250.0	250.0	
50 2-Butanone (MEK)	72	2.841	2.833	0.008	99	1156094	2500.0	2336.9	
51 1,1-Dichloropropene	75	2.841	2.841	0.000	97	2122088	500.0	520.5	
52 Isooctane	57	2.932	2.923	0.009	98	3113652	500.0	460.9	
54 Benzene	78	3.022	3.014	0.008	97	6258667	500.0	461.2	
53 n-Heptane	57	3.022	3.014	0.008	53	852285	500.0	552.0	
55 Propionitrile	54	3.072	3.039	0.033	92	2665513	5000.0	5312.2	
56 Methacrylonitrile	67	3.080	3.055	0.025	91	7629481	5000.0	5349.0	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.129	3.121	0.008	96	153554	50.0	53.7	
58 Tert-amyl methyl ether	73	3.137	3.129	0.008	98	4784625	500.0	509.3	
59 1,2-Dichloroethane	62	3.179	3.170	0.009	97	2186527	500.0	473.8	
60 Isobutyl alcohol	43	3.269	3.244	0.025	98	1804190	12500	13468	
63 t-Amyl alcohol	59	3.335	3.318	0.017	96	1340633	5000.0	5304.7	
* 61 Fluorobenzene	96	3.351	3.343	0.008	99	621398	50.0	50.0	
62 Isopropyl acetate	43	3.425	3.417	0.008	99	3035624	500.0	532.6	
64 Methylcyclohexane	83	3.475	3.467	0.008	95	2407530	500.0	581.0	
65 Trichloroethene	95	3.491	3.491	0.000	98	1639643	500.0	492.8	
66 2-ethoxy-2-methyl butane	59	3.730	3.722	0.008	99	4014949	500.0	512.0	
67 Dibromomethane	93	3.845	3.837	0.008	97	1097346	500.0	525.6	
68 n-Butanol	56	3.878	3.853	0.025	87	1233971	12500	12491	
69 1,2-Dichloropropane	63	3.927	3.927	0.000	89	1603723	500.0	496.4	
70 Dichlorobromomethane	83	4.010	4.010	0.000	98	2176313	500.0	542.4	
71 Ethyl acrylate	55	4.010	4.010	0.000	98	2250120	500.0	590.1	
* 72 1,4-Dioxane-d8	96	4.191	4.183	0.008	95	39631	1000.0	1000.0	
73 Methyl methacrylate	100	4.199	4.199	0.000	86	1031982	1000.0	1105.6	
74 1,4-Dioxane	88	4.215	4.207	0.008	95	436293	10000	8899.3	
75 n-Propyl acetate	43	4.355	4.347	0.008	98	2298780	500.0	572.9	
76 2-Chloroethyl vinyl ether	63	4.610	4.602	0.008	96	1214502	500.0	553.1	
77 cis-1,3-Dichloropropene	75	4.635	4.627	0.008	94	2791029	500.0	519.4	
$ 78 Toluene-d8 (Surr)	98	4.824	4.816	0.008	100	467329	50.0	46.7	
79 Toluene	91	4.874	4.866	0.008	94	6929066	500.0	463.3	
80 Epichlorohydrin	57	4.907	4.899	0.009	99	3330765	10000	11196	
81 2-Nitropropane	41	5.121	5.112	0.009	98	928797	1000.0	1156.5	
82 Tetrachloroethene	166	5.294	5.285	0.009	96	1701202	500.0	473.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 4-Methyl-2-pentanone (MIBK	43	5.343	5.326	0.017	96	8278370	2500.0	2748.9	
84 trans-1,3-Dichloropropene	75	5.376	5.359	0.017	98	2745408	500.0	562.0	
85 1,1,2-Trichloroethane	83	5.532	5.524	0.008	94	1285900	500.0	493.8	
86 Ethyl methacrylate	69	5.623	5.614	0.009	88	2267062	500.0	539.3	
87 Chlorodibromomethane	129	5.730	5.721	0.009	98	1860997	500.0	544.9	
88 1,3-Dichloropropane	76	5.837	5.828	0.009	93	2661029	500.0	485.5	
89 Ethylene Dibromide	107	5.960	5.952	0.008	98	1638955	500.0	513.3	
90 n-Butyl acetate	43	6.322	6.314	0.008	99	2648769	500.0	559.9	
91 2-Hexanone	43	6.380	6.363	0.017	94	5783050	2500.0	2786.2	
* 92 Chlorobenzene-d5	117	6.643	6.635	0.008	85	506467	50.0	50.0	
93 Chlorobenzene	112	6.668	6.651	0.017	94	4732299	500.0	479.9	
94 Ethylbenzene	106	6.767	6.742	0.025	99	2630993	500.0	498.0	
95 1,1,1,2-Tetrachloroethane	131	6.783	6.767	0.016	95	1764867	500.0	536.2	
96 m-Xylene & p-Xylene	106	6.964	6.956	0.008	97	3139399	500.0	508.4	
97 o-Xylene	106	7.548	7.532	0.016	94	3046554	500.0	499.4	
98 Bromoform	173	7.606	7.598	0.008	96	1362373	500.0	619.0	
99 Styrene	104	7.631	7.623	0.008	95	5284337	500.0	536.2	
100 n-Butyl acrylate	73	7.960	7.952	0.008	98	1397748	500.0	594.7	
101 Isopropylbenzene	105	8.026	8.018	0.008	96	7796496	500.0	498.4	
102 Amyl acetate (mixed isomer	43	8.380	8.363	0.017	91	3074429	500.0	542.1	
$ 103 4-Bromofluorobenzene	174	8.388	8.380	0.008	90	163836	50.0	48.5	
104 Bromobenzene	156	8.495	8.478	0.017	96	2117284	500.0	494.8	
105 N-Propylbenzene	91	8.660	8.643	0.017	99	8980218	500.0	496.4	
106 1,1,2,2-Tetrachloroethane	83	8.808	8.791	0.017	96	2154265	500.0	524.2	
107 2-Chlorotoluene	91	8.824	8.808	0.016	97	6542859	500.0	510.7	
108 4-Ethyltoluene	105	8.849	8.832	0.017	98	7973297	500.0	503.8	
109 1,2,3-Trichloropropane	110	8.931	8.915	0.016	97	640204	500.0	486.2	
110 1,3,5-Trimethylbenzene	105	9.013	8.989	0.024	93	6551866	500.0	498.7	
111 trans-1,4-Dichloro-2-buten	53	9.055	9.046	0.009	92	681725	500.0	595.2	
112 4-Chlorotoluene	91	9.087	9.071	0.016	98	5976946	500.0	504.4	
113 tert-Butylbenzene	119	9.458	9.450	0.008	94	5477139	500.0	497.0	
114 1,2,4-Trimethylbenzene	105	9.589	9.581	0.008	97	6930295	500.0	526.4	
115 Butyl Methacrylate	87	9.606	9.589	0.017	91	2684733	500.0	590.5	
116 sec-Butylbenzene	105	9.754	9.738	0.016	98	7752820	500.0	482.6	
117 1,3-Dichlorobenzene	146	10.001	9.984	0.017	96	3887662	500.0	489.2	
118 4-Isopropyltoluene	119	10.042	10.017	0.025	97	6966659	500.0	503.7	
* 119 1,4-Dichlorobenzene-d4	152	10.133	10.116	0.017	96	284960	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.166	10.141	0.025	94	3941891	500.0	465.8	
121 1,2,3-Trimethylbenzene	105	10.273	10.256	0.017	0	7031016	500.0	512.0	
122 2,3-Dihydroindene	117	10.445	10.421	0.024	94	7025851	500.0	483.6	
123 Benzyl chloride	126	10.610	10.593	0.017	99	931079	500.0	482.1	
124 p-Diethylbenzene	119	10.643	10.626	0.017	94	3850673	500.0	505.1	
125 n-Butylbenzene	92	10.725	10.709	0.016	98	3120661	500.0	504.6	
126 1,2-Dichlorobenzene	146	10.824	10.807	0.017	95	3717449	500.0	478.6	
127 1,2,4,5-Tetramethylbenzene	119	11.762	11.754	0.008	97	5767319	500.0	613.5	
128 1,2-Dibromo-3-Chloropropan	157	11.869	11.869	0.000	95	501529	500.0	566.6	
129 1,3,5-Trichlorobenzene	180	11.918	11.910	0.008	97	2659403	500.0	501.5	
130 1,2,4-Trichlorobenzene	180	12.453	12.445	0.008	94	2638840	500.0	555.1	
131 Hexachlorobutadiene	225	12.462	12.462	0.000	89	771815	500.0	441.6	
132 Naphthalene	128	12.667	12.667	0.000	99	6160317	500.0	615.7	
133 1,2,3-Trichlorobenzene	180	12.799	12.791	0.008	96	2372436	500.0	540.4	
S 134 1,2-Dichloroethene, Total	100				0		1000.0	1009.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 1,3-Dichloropropene, Total	100				0		500.0	1081.3	
S 136 Xylenes, Total	100				0		1000.0	1007.8	
S 137 Total BTEX	1				0		2500.0	2430.4	

Reagents:

MIX 2 Hi_00055	Amount Added:	50.00	Units: uL	
MIX I Hi_00072	Amount Added:	50.00	Units: uL	
ACROLEIN W_00063	Amount Added:	40.00	Units: uL	
GAS Hi_00197	Amount Added:	50.00	Units: uL	
8260SURR250_00155	Amount Added:	1.00	Units: uL	Run Reagent
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent

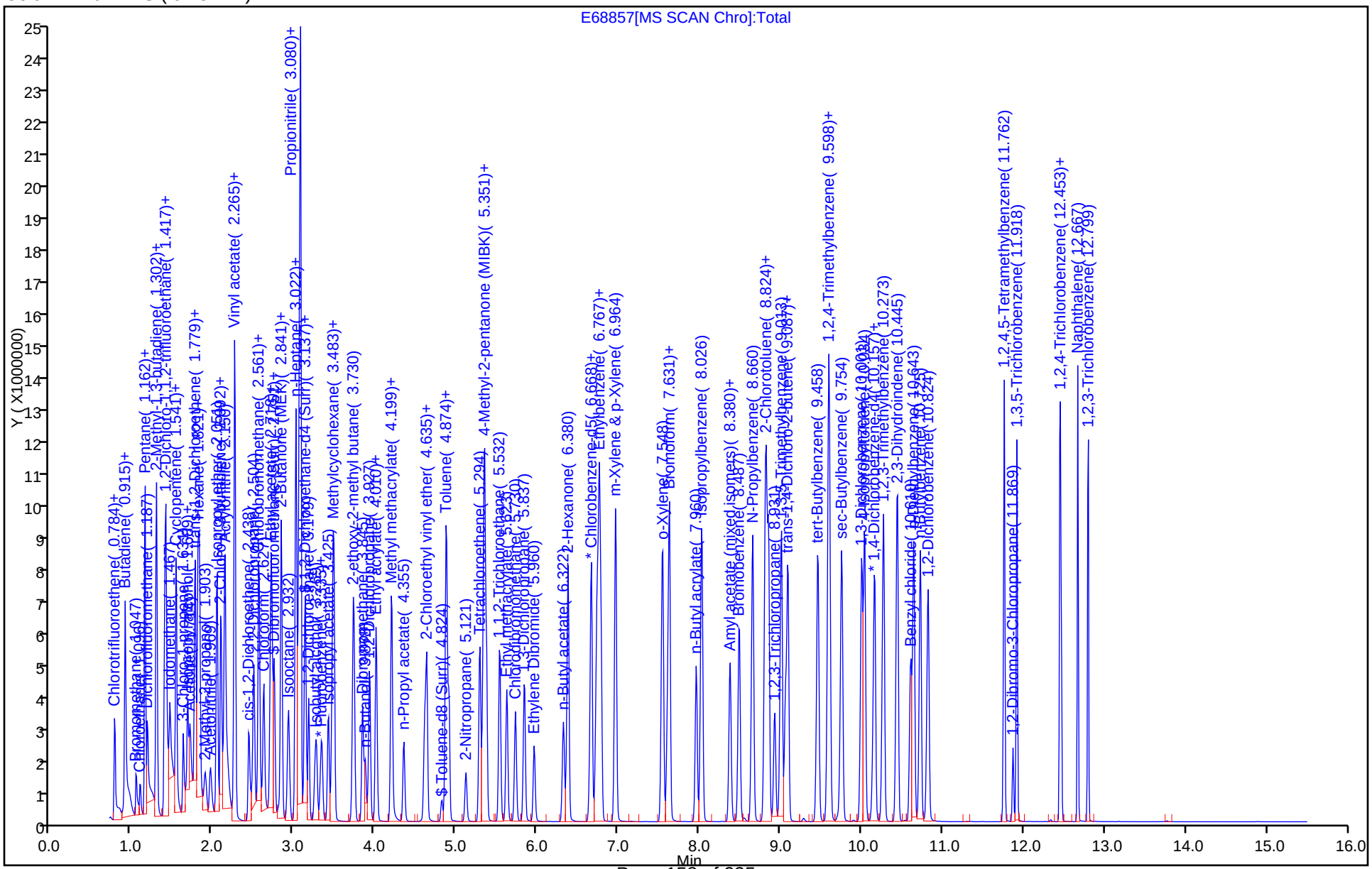
Report Date: 24-Apr-2017 15:20:54 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68857.D

Injection Date:	20-Apr-2017 00:45:30	Instrument ID:	CVOAMS5	Operator ID:	
Lims ID:	STD500			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-VMS (0.18 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 20-Apr-2017 02:57:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0053982-013
Operator ID: Instrument ID: CVOAMS5
Sublist: chrom-8260W_5*sub52

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Apr-2017 15:21:00 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: baronm Date: 24-Apr-2017 15:13:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.784	0.784	0.000	87	9569	20.0	17.4	
2 Dichlorodifluoromethane	85	0.792	0.792	0.000	99	78788	20.0	19.5	
3 Vinyl chloride	62	0.907	0.907	0.000	98	69914	20.0	18.4	
4 Butadiene	54	0.915	0.915	0.000	88	58803	20.0	18.6	
5 Chloromethane	50	0.915	0.915	0.000	96	96093	20.0	19.2	
6 Bromomethane	94	1.055	1.055	0.000	99	43148	20.0	20.0	
7 Chloroethane	64	1.105	1.105	0.000	100	41923	20.0	19.6	
8 Pentane	72	1.170	1.170	0.000	96	21131	40.0	38.7	
9 Trichlorofluoromethane	101	1.170	1.170	0.000	68	91583	20.0	19.8	
10 Dichlorofluoromethane	67	1.195	1.195	0.000	99	96355	20.0	20.9	
11 2-Methyl-1,3-butadiene	67	1.302	1.302	0.000	97	77726	20.0	18.5	
13 Ethyl ether	59	1.310	1.310	0.000	95	48925	20.0	18.7	
12 Ethanol	46	1.393	1.393	0.000	98	12860	800.0	699.1	
15 1,2-Dichloro-1,1,2-trifluo	67	1.401	1.401	0.000	94	62677	20.0	19.1	
14 1,1-Dichloroethene	96	1.401	1.401	0.000	98	49763	20.0	18.3	
17 Carbon disulfide	76	1.417	1.417	0.000	100	171766	20.0	18.7	
16 1,1,2-Trichloro-1,2,2-trif	101	1.426	1.426	0.000	96	49977	20.0	21.4	
18 Iodomethane	142	1.475	1.475	0.000	99	84035	20.0	21.1	
19 Cyclopentene	67	1.549	1.549	0.000	97	130417	20.0	18.4	
20 Acrolein	56	1.565	1.565	0.000	94	13082	40.0	32.8	
21 3-Chloro-1-propene	76	1.631	1.631	0.000	90	31462	20.0	19.4	
22 Isopropyl alcohol	45	1.656	1.656	0.000	98	35189	200.0	191.7	
23 Methylene Chloride	84	1.689	1.689	0.000	93	59613	20.0	18.9	
24 Acetone	58	1.714	1.714	0.000	87	24567	100.0	99.5	
25 trans-1,2-Dichloroethene	96	1.771	1.771	0.000	95	55671	20.0	18.4	
26 Methyl acetate	74	1.779	1.779	0.000	99	49757	100.0	106.3	
27 Hexane	57	1.821	1.821	0.000	83	110550	20.0	21.2	
28 Methyl tert-butyl ether	73	1.829	1.829	0.000	94	173908	20.0	19.3	
* 29 TBA-d9 (IS)	65	1.845	1.845	0.000	99	302334	1000.0	1000.0	
30 2-Methyl-2-propanol	59	1.895	1.895	0.000	99	64306	200.0	189.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acetonitrile	41	1.961	1.961	0.000	98	73181	200.0	159.8	
32 Isopropyl ether	45	2.043	2.043	0.000	96	175831	20.0	18.3	
33 2-Chloro-1,3-butadiene	88	2.092	2.092	0.000	93	49170	20.0	18.4	
34 1,1-Dichloroethane	63	2.109	2.109	0.000	99	101578	20.0	18.9	
35 Acrylonitrile	53	2.133	2.133	0.000	94	230992	200.0	201.7	
37 Vinyl acetate	86	2.265	2.265	0.000	99	25260	40.0	38.2	
36 Tert-butyl ethyl ether	59	2.265	2.265	0.000	89	162601	20.0	17.1	
38 cis-1,2-Dichloroethene	96	2.438	2.438	0.000	98	58339	20.0	18.4	
39 2,2-Dichloropropane	77	2.504	2.504	0.000	97	78474	20.0	18.9	
40 Cyclohexane	56	2.561	2.561	0.000	89	81023	20.0	20.8	
41 Chlorobromomethane	128	2.561	2.561	0.000	83	29274	20.0	19.2	
42 Chloroform	83	2.619	2.619	0.000	98	91754	20.0	18.6	
43 Carbon tetrachloride	117	2.709	2.709	0.000	97	64152	20.0	18.8	
44 Methyl acrylate	55	2.718	2.718	0.000	79	49344	20.0	18.9	
45 Ethyl acetate	70	2.718	2.718	0.000	100	13482	40.0	37.3	
46 Tetrahydrofuran	42	2.726	2.726	0.000	95	43425	40.0	33.0	
$ 47 Dibromofluoromethane (Surr	113	2.742	2.742	0.000	97	99833	50.0	47.8	
48 1,1,1-Trichloroethane	97	2.751	2.751	0.000	97	79444	20.0	18.9	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	100	311928	250.0	250.0	
50 2-Butanone (MEK)	72	2.833	2.833	0.000	99	40775	100.0	82.3	
51 1,1-Dichloropropene	75	2.841	2.841	0.000	96	70780	20.0	19.1	
52 Isooctane	57	2.923	2.923	0.000	98	115274	20.0	19.0	
53 n-Heptane	57	3.014	3.014	0.000	75	30276	20.0	21.9	
54 Benzene	78	3.014	3.014	0.000	96	210467	20.0	18.5	
55 Propionitrile	54	3.039	3.039	0.000	99	75159	200.0	161.3	
56 Methacrylonitrile	67	3.055	3.055	0.000	91	237735	200.0	186.0	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	98	119234	50.0	46.6	
58 Tert-amyl methyl ether	73	3.129	3.129	0.000	98	152553	20.0	18.1	
59 1,2-Dichloroethane	62	3.170	3.170	0.000	98	72602	20.0	17.6	
60 Isobutyl alcohol	43	3.244	3.244	0.000	99	53879	500.0	433.1	
63 t-Amyl alcohol	59	3.318	3.318	0.000	98	41633	200.0	183.9	
* 61 Fluorobenzene	96	3.343	3.343	0.000	99	556750	50.0	50.0	
62 Isopropyl acetate	43	3.417	3.417	0.000	99	96681	20.0	18.9	
64 Methylcyclohexane	83	3.467	3.467	0.000	95	81767	20.0	22.0	
65 Trichloroethene	95	3.491	3.491	0.000	97	52655	20.0	17.7	
66 2-ethoxy-2-methyl butane	59	3.722	3.722	0.000	98	125295	20.0	17.8	
67 Dibromomethane	93	3.837	3.837	0.000	96	36855	20.0	19.7	
68 n-Butanol	56	3.853	3.853	0.000	88	32609	500.0	363.0	
69 1,2-Dichloropropane	63	3.927	3.927	0.000	89	53332	20.0	18.4	
71 Ethyl acrylate	55	4.010	4.010	0.000	87	67654	20.0	19.8	
70 Dichlorobromomethane	83	4.010	4.010	0.000	97	66824	20.0	18.6	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	96	34130	1000.0	1000.0	
73 Methyl methacrylate	100	4.199	4.199	0.000	87	32446	40.0	38.8	
74 1,4-Dioxane	88	4.207	4.207	0.000	94	15549	400.0	368.3	
75 n-Propyl acetate	43	4.347	4.347	0.000	98	71035	20.0	19.8	
76 2-Chloroethyl vinyl ether	63	4.602	4.602	0.000	96	36869	20.0	18.7	
77 cis-1,3-Dichloropropene	75	4.627	4.627	0.000	95	86302	20.0	19.1	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	100	393476	50.0	46.8	
79 Toluene	91	4.866	4.866	0.000	94	230607	20.0	18.4	
80 Epichlorohydrin	57	4.899	4.899	0.000	99	111244	400.0	373.3	
81 2-Nitropropane	41	5.112	5.112	0.000	100	25656	40.0	35.7	
82 Tetrachloroethene	166	5.285	5.285	0.000	97	57468	20.0	19.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 4-Methyl-2-pentanone (MIBK	43	5.326	5.326	0.000	96	270784	100.0	89.8	
84 trans-1,3-Dichloropropene	75	5.359	5.359	0.000	98	78983	20.0	19.3	
85 1,1,2-Trichloroethane	83	5.524	5.524	0.000	94	40664	20.0	18.6	
86 Ethyl methacrylate	69	5.614	5.614	0.000	88	69666	20.0	19.8	
87 Chlorodibromomethane	129	5.721	5.721	0.000	98	53153	20.0	18.5	
88 1,3-Dichloropropane	76	5.828	5.828	0.000	93	86937	20.0	18.9	
89 Ethylene Dibromide	107	5.952	5.952	0.000	100	52118	20.0	19.5	
90 n-Butyl acetate	43	6.314	6.314	0.000	98	74877	20.0	18.9	
91 2-Hexanone	43	6.363	6.363	0.000	95	189355	100.0	91.1	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	86	424941	50.0	50.0	
93 Chlorobenzene	112	6.651	6.651	0.000	96	153149	20.0	18.5	
94 Ethylbenzene	106	6.742	6.742	0.000	99	81306	20.0	18.3	
95 1,1,1,2-Tetrachloroethane	131	6.767	6.767	0.000	94	51452	20.0	18.6	
96 m-Xylene & p-Xylene	106	6.956	6.956	0.000	96	99182	20.0	19.1	
97 o-Xylene	106	7.532	7.532	0.000	94	97241	20.0	19.0	
98 Bromoform	173	7.598	7.598	0.000	95	35898	20.0	19.4	
99 Styrene	104	7.623	7.623	0.000	96	166929	20.0	20.2	
100 n-Butyl acrylate	73	7.952	7.952	0.000	98	40255	20.0	20.4	
101 Isopropylbenzene	105	8.018	8.018	0.000	96	252049	20.0	19.2	
102 Amyl acetate (mixed isomer	43	8.363	8.363	0.000	91	91820	20.0	18.8	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	91	131524	50.0	46.4	
104 Bromobenzene	156	8.478	8.478	0.000	96	68936	20.0	18.7	
105 N-Propylbenzene	91	8.643	8.643	0.000	99	299997	20.0	19.3	
106 1,1,2,2-Tetrachloroethane	83	8.791	8.791	0.000	97	67624	20.0	19.1	
107 2-Chlorotoluene	91	8.808	8.808	0.000	97	200582	20.0	18.2	
108 4-Ethyltoluene	105	8.832	8.832	0.000	98	249713	20.0	18.3	
109 1,2,3-Trichloropropane	110	8.915	8.915	0.000	97	21282	20.0	18.8	
110 1,3,5-Trimethylbenzene	105	8.989	8.989	0.000	93	215297	20.0	19.0	
111 trans-1,4-Dichloro-2-buten	53	9.046	9.046	0.000	87	19988	20.0	20.3	
112 4-Chlorotoluene	91	9.071	9.071	0.000	97	185060	20.0	18.1	
113 tert-Butylbenzene	119	9.450	9.450	0.000	95	181050	20.0	19.1	
114 1,2,4-Trimethylbenzene	105	9.581	9.581	0.000	97	215653	20.0	19.0	
115 Butyl Methacrylate	87	9.589	9.589	0.000	93	74693	20.0	19.1	
116 sec-Butylbenzene	105	9.738	9.738	0.000	99	263708	20.0	19.1	
117 1,3-Dichlorobenzene	146	9.984	9.984	0.000	96	128103	20.0	18.7	
118 4-Isopropyltoluene	119	10.017	10.017	0.000	98	228170	20.0	19.2	
* 119 1,4-Dichlorobenzene-d4	152	10.116	10.116	0.000	95	245326	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.141	10.141	0.000	95	132870	20.0	18.2	
121 1,2,3-Trimethylbenzene	105	10.256	10.256	0.000	0	216801	20.0	18.3	
122 2,3-Dihydroindene	117	10.421	10.421	0.000	94	225672	20.0	18.0	
123 Benzyl chloride	126	10.593	10.593	0.000	98	25799	20.0	20.3	
124 p-Diethylbenzene	119	10.626	10.626	0.000	93	121326	20.0	18.5	
125 n-Butylbenzene	92	10.709	10.709	0.000	99	100909	20.0	19.0	
126 1,2-Dichlorobenzene	146	10.807	10.807	0.000	96	127473	20.0	19.1	
127 1,2,4,5-Tetramethylbenzene	119	11.754	11.754	0.000	97	147682	20.0	18.2	
128 1,2-Dibromo-3-Chloropropan	157	11.869	11.869	0.000	94	15303	20.0	20.1	
129 1,3,5-Trichlorobenzene	180	11.910	11.910	0.000	97	84292	20.0	18.5	
130 1,2,4-Trichlorobenzene	180	12.445	12.445	0.000	94	77751	20.0	19.0	
131 Hexachlorobutadiene	225	12.462	12.462	0.000	91	27584	20.0	18.3	
132 Naphthalene	128	12.667	12.667	0.000	99	161341	20.0	18.7	
133 1,2,3-Trichlorobenzene	180	12.791	12.791	0.000	95	71723	20.0	19.0	
S 134 1,2-Dichloroethene, Total	100				0		40.0	36.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 1,3-Dichloropropene, Total	100				0		20.0	38.4	
S 136 Xylenes, Total	100				0		40.0	38.1	
S 137 Total BTEX	1				0		100.0	93.3	

Reagents:

GAS Hi_00197	Amount Added:	2.00	Units: uL		
MIX I Hi_00072	Amount Added:	2.00	Units: uL		
MIX 2 Hi_00055	Amount Added:	2.00	Units: uL		
ACROLEIN W_00063	Amount Added:	4.00	Units: uL		
8260SURR250_00155	Amount Added:	1.00	Units: uL	Run Reagent	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent	

Report Date: 24-Apr-2017 15:21:01 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Injection Date: 20-Apr-2017 02:57:30 Instrument ID: CVOAMS5 Operator ID:

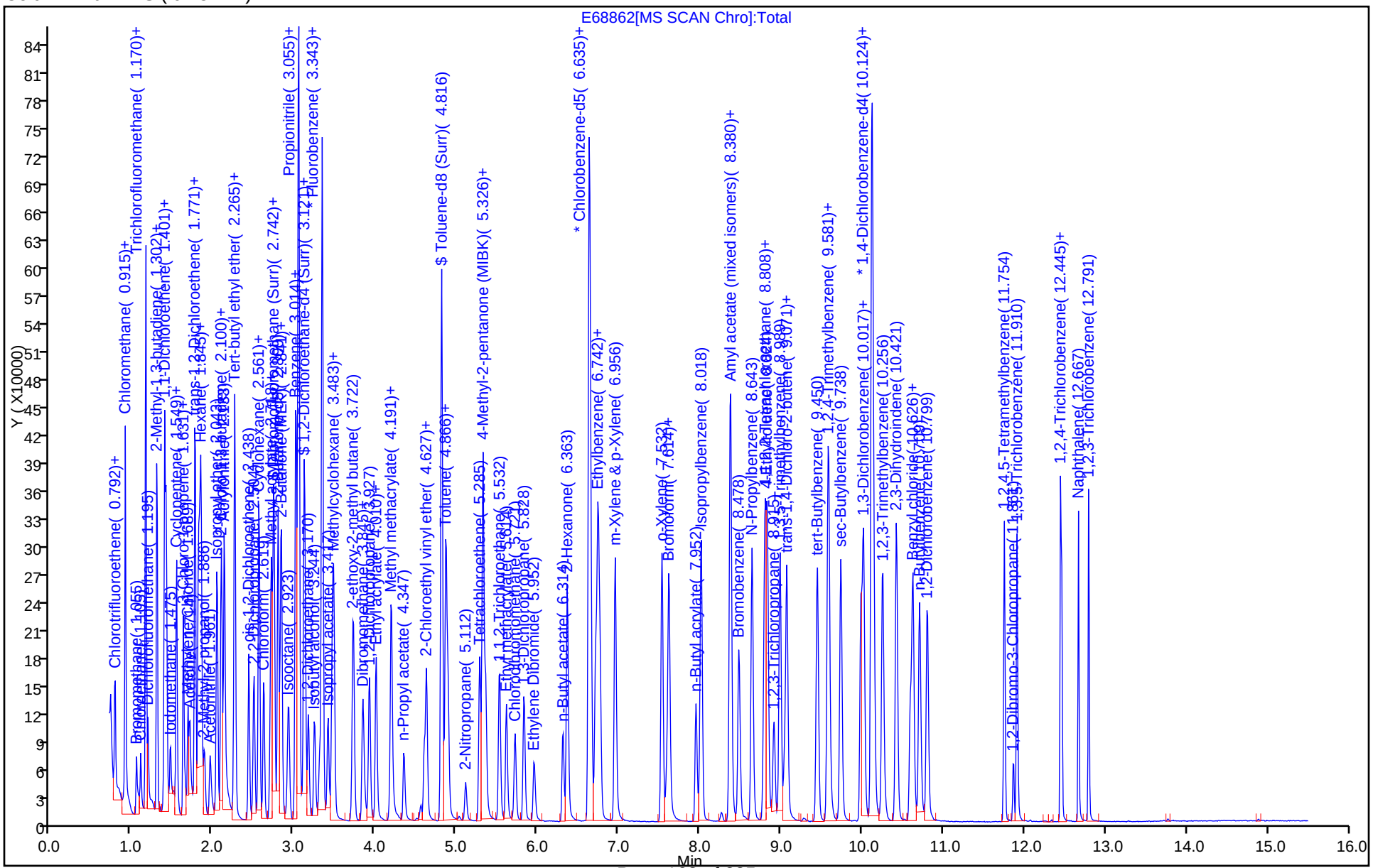
Lims ID: STD20 Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 13

Method: 8260W_5 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-VMS (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Lab Sample ID: CCVIS 460-433504/2 Calibration Date: 04/28/2017 00:08

Instrument ID: CVOAMS5 Calib Start Date: 04/19/2017 21:44

GC Column: Rtx-VMS ID: 0.18(mm) Calib End Date: 04/20/2017 02:57

Lab File ID: E70081.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	0.0493	0.0400		16.2	20.0	-19.0	20.0
Dichlorodifluoromethane	Ave	0.3635	0.3391	0.1000	18.7	20.0	-6.7	20.0
Vinyl chloride	Ave	0.3406	0.3562	0.1000	20.9	20.0	4.6	20.0
Butadiene	Ave	0.2836	0.3057		21.6	20.0	7.8	20.0
Chloromethane	Ave	0.4499	0.5001	0.1000	22.2	20.0	11.2	20.0
Bromomethane	Ave	0.1935	0.1206	0.1000	12.5	20.0	-37.7	50.0
Chloroethane	Ave	0.1926	0.1773	0.1000	18.4	20.0	-7.9	50.0
Pentane	Ave	0.0491	0.0463		37.7	40.0	-5.8	20.0
Trichlorofluoromethane	Ave	0.4145	0.3769	0.1000	18.2	20.0	-9.1	20.0
Dichlorofluoromethane	Ave	0.4145	0.4484		21.6	20.0	8.2	20.0
2-Methyl-1,3-butadiene	Ave	0.3783	0.4061		21.5	20.0	7.3	20.0
Ethyl ether	Ave	0.2345	0.2308		19.7	20.0	-1.6	20.0
Ethanol	QuaF		0.0718		944	800	18.0	50.0
1,1-Dichloroethene	Ave	0.2443	0.2060	0.1000	16.9	20.0	-15.7	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2944	0.3008		20.4	20.0	2.2	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2098	0.2134	0.1000	20.3	20.0	1.7	20.0
Carbon disulfide	Ave	0.8263	0.7513	0.1000	18.2	20.0	-9.1	50.0
Iodomethane	Ave	0.3573	0.2329		13.0	20.0	-34.8*	20.0
Cyclopentene	Ave	0.6361	0.6522		20.5	20.0	2.5	20.0
Acrolein	Ave	1.321	0.9258		28.0	40.0	-29.9	50.0
Allyl chloride	Ave	0.1456	0.1440		19.8	20.0	-1.1	20.0
Isopropyl alcohol	Lin2		0.7276		241	200	20.6	50.0
Methylene Chloride	Ave	0.2825	0.2680	0.1000	19.0	20.0	-5.1	20.0
Acetone	Qua2		0.1946	0.0500	98.3	100	-1.7	50.0
trans-1,2-Dichloroethene	Ave	0.2721	0.2385	0.1000	17.5	20.0	-12.3	20.0
Methyl acetate	Ave	1.548	1.789	0.1000	116	100	15.6	20.0
Hexane	Ave	0.4686	0.5369		22.9	20.0	14.6	20.0
Methyl tert-butyl ether	Ave	0.8088	0.7629	0.1000	18.9	20.0	-5.7	20.0
2-Methyl-2-propanol	Lin2		1.161		207	200	3.7	50.0
Acetonitrile	Ave	1.515	1.755		232	200	15.9	20.0
Isopropyl ether	Ave	0.8623	0.9284		21.5	20.0	7.7	20.0
2-Chloro-1,3-butadiene	Ave	0.2396	0.2231		18.6	20.0	-6.9	20.0
1,1-Dichloroethane	Ave	0.4820	0.4961	0.2000	20.6	20.0	2.9	20.0
Acrylonitrile	Ave	0.1028	0.1038		202	200	0.9	20.0
Tert-butyl ethyl ether	Ave	0.8518	0.8609		20.2	20.0	1.1	20.0
Vinyl acetate	Ave	0.0594	0.0561		37.8	40.0	-5.6	20.0
cis-1,2-Dichloroethene	Ave	0.2848	0.2778	0.1000	19.5	20.0	-2.5	20.0
2,2-Dichloropropane	Ave	0.3727	0.3925		21.1	20.0	5.3	20.0
Chlorobromomethane	Ave	0.1368	0.1263		18.5	20.0	-7.7	20.0
Cyclohexane	Ave	0.3494	0.4602	0.1000	26.3	20.0	31.7	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Lab Sample ID: CCVIS 460-433504/2 Calibration Date: 04/28/2017 00:08

Instrument ID: CVOAMS5 Calib Start Date: 04/19/2017 21:44

GC Column: Rtx-VMS ID: 0.18(mm) Calib End Date: 04/20/2017 02:57

Lab File ID: E70081.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
Chloroform	Ave	0.4429	0.4522	0.2000	20.4	20.0	2.1	20.0
Carbon tetrachloride	Ave	0.3062	0.3055	0.1000	19.9	20.0	-0.3	20.0
Ethyl acetate	Ave	0.2899	0.2827		39.0	40.0	-2.5	20.0
Methyl acrylate	Ave	0.2341	0.2517		21.5	20.0	7.5	20.0
Tetrahydrofuran	Ave	1.055	0.9719		36.8	40.0	-7.9	20.0
1,1,1-Trichloroethane	Ave	0.3770	0.3838	0.1000	20.4	20.0	1.8	20.0
2-Butanone	Ave	0.3971	0.3060	0.0500	77.1	100	-22.9	50.0
1,1-Dichloropropene	Lin2		0.3738		22.5	20.0	12.5	20.0
2,2,4-Trimethylpentane	Ave	0.5436	0.6659		24.5	20.0	22.5*	20.0
Benzene	Ave	1.340	1.490	0.5000	22.2	20.0	11.2	20.0
n-Heptane	Ave	0.1242	0.1558		25.1	20.0	25.4*	20.0
Propionitrile	Ave	1.541	1.746		227	200	13.3	20.0
Methacrylonitrile	Ave	0.1148	0.1188		207	200	3.5	20.0
Tert-amyl methyl ether	Ave	0.7559	0.7632		20.2	20.0	1.0	20.0
1,2-Dichloroethane	Ave	0.3713	0.3658	0.1000	19.7	20.0	-1.5	20.0
Isobutyl alcohol	Ave	0.4115	0.4597		559	500	11.7	50.0
Isopropyl acetate	Ave	0.4586	0.4799		20.9	20.0	4.6	20.0
Methylcyclohexane	Ave	0.3334	0.4141	0.1000	24.8	20.0	24.2	50.0
Trichloroethene	Ave	0.2677	0.2563	0.2000	19.1	20.0	-4.3	20.0
Dibromomethane	Ave	0.1680	0.1656		19.7	20.0	-1.4	20.0
n-Butanol	QuaF		0.2856		481	500	-3.9	50.0
1,2-Dichloropropane	Ave	0.2600	0.2858	0.1000	22.0	20.0	9.9	20.0
Bromodichloromethane	Ave	0.3228	0.3329	0.2000	20.6	20.0	3.1	20.0
Ethyl acrylate	Ave	0.3068	0.3410		22.2	20.0	11.1	20.0
Methyl methacrylate	Ave	0.0751	0.0738		39.3	40.0	-1.7	20.0
1,4-Dioxane	Ave	1.237	1.195		386	400	-3.4	50.0
n-Propyl acetate	Ave	0.3228	0.3708		23.0	20.0	14.8	20.0
2-Chloroethyl vinyl ether	Ave	0.1767	0.1931		21.9	20.0	9.3	20.0
cis-1,3-Dichloropropene	Ave	0.5305	0.5935	0.2000	22.4	20.0	11.9	50.0
Toluene	Ave	1.476	1.549	0.4000	21.0	20.0	4.9	20.0
Epichlorohydrin	Ave	0.2388	0.2520		422	400	5.5	20.0
2-Nitropropane	Ave	0.0646	0.0527		32.6	40.0	-18.4	20.0
Tetrachloroethene	Ave	0.3550	0.3412	0.2000	19.2	20.0	-3.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	2.417	2.363	0.0500	97.8	100	-2.2	50.0
trans-1,3-Dichloropropene	Ave	0.4823	0.5292	0.1000	21.9	20.0	9.7	50.0
1,1,2-Trichloroethane	Ave	0.2571	0.2772	0.1000	21.6	20.0	7.8	20.0
Ethyl methacrylate	Ave	0.4150	0.4631		22.3	20.0	11.6	20.0
Dibromochloromethane	Ave	0.3372	0.3329	0.1000	19.7	20.0	-1.3	50.0
1,3-Dichloropropane	Ave	0.5411	0.6102		22.6	20.0	12.8	20.0
Ethylene Dibromide	Ave	0.3152	0.3172	0.1000	20.1	20.0	0.6	20.0
n-Butyl acetate	Ave	0.4670	0.5282		22.6	20.0	13.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Lab Sample ID: CCVIS 460-433504/2 Calibration Date: 04/28/2017 00:08

Instrument ID: CVOAMS5 Calib Start Date: 04/19/2017 21:44

GC Column: Rtx-VMS ID: 0.18(mm) Calib End Date: 04/20/2017 02:57

Lab File ID: E70081.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
2-Hexanone	Ave	1.666	1.643	0.0500	98.6	100	-1.4	50.0
Chlorobenzene	Ave	0.9735	0.9897	0.5000	20.3	20.0	1.7	20.0
Ethylbenzene	Ave	0.5215	0.5346	0.1000	20.5	20.0	2.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3249	0.3234		19.9	20.0	-0.5	20.0
m-Xylene & p-Xylene	Ave	0.6097	0.6665	0.1000	21.9	20.0	9.3	20.0
o-Xylene	Ave	0.6022	0.6348	0.3000	21.1	20.0	5.4	20.0
Bromoform	Ave	0.2173	0.1963	0.1000	18.1	20.0	-9.7	20.0
Styrene	Ave	0.9730	1.103	0.3000	22.7	20.0	13.4	20.0
n-Butyl acrylate	Ave	0.2320	0.2679		23.1	20.0	15.5	20.0
Isopropylbenzene	Ave	1.544	1.697	0.1000	22.0	20.0	9.9	20.0
Amyl acetate (mixed isomers)	Ave	0.995	1.148		23.1	20.0	15.4	20.0
Bromobenzene	Ave	0.7508	0.7322		19.5	20.0	-2.5	20.0
N-Propylbenzene	Ave	3.174	3.634		22.9	20.0	14.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7211	0.7579	0.3000	21.0	20.0	5.1	20.0
2-Chlorotoluene	Ave	2.248	2.531		22.5	20.0	12.6	20.0
4-Ethyltoluene	Ave	2.777	3.077		22.2	20.0	10.8	20.0
1,2,3-Trichloropropane	Ave	0.2310	0.2303		19.9	20.0	-0.3	20.0
1,3,5-Trimethylbenzene	Ave	2.305	2.562		22.2	20.0	11.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2010	0.2250		22.4	20.0	11.9	20.0
4-Chlorotoluene	Ave	2.079	2.340		22.5	20.0	12.5	20.0
tert-Butylbenzene	Ave	1.934	2.093		21.6	20.0	8.2	20.0
1,2,4-Trimethylbenzene	Ave	2.310	2.550		22.1	20.0	10.4	20.0
Butyl Methacrylate	Ave	0.7978	0.8777		22.0	20.0	10.0	20.0
sec-Butylbenzene	Ave	2.819	3.090		21.9	20.0	9.6	20.0
1,3-Dichlorobenzene	Ave	1.394	1.409	0.6000	20.2	20.0	1.1	20.0
4-Isopropyltoluene	Ave	2.427	2.614		21.5	20.0	7.7	20.0
1,4-Dichlorobenzene	Ave	1.485	1.463	0.5000	19.7	20.0	-1.5	20.0
1,2,3-Trimethylbenzene	Ave	2.409	2.643		21.9	20.0	9.7	20.0
Indan	Ave	2.549	2.691		21.1	20.0	5.6	20.0
Benzyl chloride	Qua2		0.2636		20.4	20.0	2.0	50.0
p-Diethylbenzene	Ave	1.338	1.389		20.8	20.0	3.8	20.0
n-Butylbenzene	Ave	1.085	1.174		21.6	20.0	8.2	20.0
1,2-Dichlorobenzene	Ave	1.363	1.390	0.4000	20.4	20.0	2.0	20.0
1,2,4,5-Tetramethylbenzene	Ave	1.650	2.135		25.9	20.0	29.4*	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1553	0.1436	0.0500	18.5	20.0	-7.6	50.0
1,3,5-Trichlorobenzene	Ave	0.9304	0.8949		19.2	20.0	-3.8	20.0
1,2,4-Trichlorobenzene	Ave	0.8340	0.8077	0.2000	19.4	20.0	-3.2	20.0
Hexachlorobutadiene	Ave	0.3067	0.2790		18.2	20.0	-9.0	20.0
Naphthalene	Ave	1.756	1.875		21.4	20.0	6.8	50.0
1,2,3-Trichlorobenzene	Ave	0.7703	0.7565		19.6	20.0	-1.8	20.0
Dibromofluoromethane (Surr)	Ave	0.1877	0.1656		44.1	50.0	-11.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Lab Sample ID: CCVIS 460-433504/2 Calibration Date: 04/28/2017 00:08

Instrument ID: CVOAMS5 Calib Start Date: 04/19/2017 21:44

GC Column: Rtx-VMS ID: 0.18(mm) Calib End Date: 04/20/2017 02:57

Lab File ID: E70081.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethane-d4 (Surr)	Ave	0.2300	0.2025		44.0	50.0	-12.0	20.0
Toluene-d8 (Surr)	Ave	0.9888	0.9374		47.4	50.0	-5.2	20.0
Bromofluorobenzene	Ave	0.3335	0.2876		43.1	50.0	-13.8	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70081.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 28-Apr-2017 00:08:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0054375-002
Operator ID: Instrument ID: CVOAMS5
Sublist: chrom-8260W_5*sub52

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Apr-2017 04:41:13 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: boykink Date: 28-Apr-2017 04:41:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.784	0.784	0.000	89	7806	20.0	16.2	
2 Dichlorodifluoromethane	85	0.792	0.792	0.000	99	66219	20.0	18.7	
3 Vinyl chloride	62	0.907	0.907	0.000	98	69556	20.0	20.9	
5 Chloromethane	50	0.916	0.916	0.000	76	97669	20.0	22.2	
4 Butadiene	54	0.916	0.916	0.000	90	59709	20.0	21.6	
6 Bromomethane	94	1.055	1.055	0.000	98	23547	20.0	12.5	
7 Chloroethane	64	1.105	1.105	0.000	100	34621	20.0	18.4	
9 Trichlorofluoromethane	101	1.171	1.171	0.000	59	73596	20.0	18.2	
8 Pentane	72	1.171	1.171	0.000	96	18063	40.0	37.7	
10 Dichlorofluoromethane	67	1.195	1.195	0.000	99	87568	20.0	21.6	
11 2-Methyl-1,3-butadiene	67	1.302	1.302	0.000	96	79299	20.0	21.5	
13 Ethyl ether	59	1.311	1.311	0.000	96	45077	20.0	19.7	
12 Ethanol	46	1.393	1.393	0.000	34	11938	800.0	943.8	
14 1,1-Dichloroethene	96	1.401	1.401	0.000	95	40227	20.0	16.9	
15 1,2-Dichloro-1,1,2-trifluo	67	1.401	1.401	0.000	78	58748	20.0	20.4	
17 Carbon disulfide	76	1.418	1.418	0.000	100	146728	20.0	18.2	
16 1,1,2-Trichloro-1,2,2-trif	101	1.418	1.418	0.000	95	41683	20.0	20.3	
18 Iodomethane	142	1.467	1.467	0.000	100	45483	20.0	13.0	
19 Cyclopentene	67	1.549	1.549	0.000	97	127359	20.0	20.5	
20 Acrolein	56	1.566	1.566	0.000	95	7700	40.0	28.0	
21 3-Chloro-1-propene	76	1.631	1.631	0.000	92	28118	20.0	19.8	
22 Isopropyl alcohol	45	1.656	1.656	0.000	98	30259	200.0	241.3	
23 Methylene Chloride	84	1.689	1.689	0.000	98	52344	20.0	19.0	
24 Acetone	58	1.714	1.714	0.000	86	21238	100.0	98.3	
25 trans-1,2-Dichloroethene	96	1.771	1.771	0.000	98	46573	20.0	17.5	
26 Methyl acetate	74	1.780	1.780	0.000	100	37207	100.0	115.6	
27 Hexane	57	1.813	1.813	0.000	92	104859	20.0	22.9	
28 Methyl tert-butyl ether	73	1.829	1.829	0.000	91	148979	20.0	18.9	
* 29 TBA-d9 (IS)	65	1.845	1.845	0.000	99	207929	1000.0	1000.0	
30 2-Methyl-2-propanol	59	1.887	1.887	0.000	99	48289	200.0	207.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acetonitrile	41	1.961	1.961	0.000	99	72985	200.0	231.7	
32 Isopropyl ether	45	2.043	2.043	0.000	97	181304	20.0	21.5	
33 2-Chloro-1,3-butadiene	88	2.092	2.092	0.000	92	43572	20.0	18.6	
34 1,1-Dichloroethane	63	2.109	2.109	0.000	99	96888	20.0	20.6	
35 Acrylonitrile	53	2.134	2.134	0.000	94	202712	200.0	201.9	
36 Tert-butyl ethyl ether	59	2.265	2.265	0.000	89	168121	20.0	20.2	
37 Vinyl acetate	86	2.265	2.265	0.000	100	21894	40.0	37.8	
38 cis-1,2-Dichloroethene	96	2.438	2.438	0.000	94	54258	20.0	19.5	
39 2,2-Dichloropropane	77	2.504	2.504	0.000	97	76652	20.0	21.1	
41 Chlorobromomethane	128	2.561	2.561	0.000	77	24660	20.0	18.5	
40 Cyclohexane	56	2.561	2.561	0.000	91	89872	20.0	26.3	
42 Chloroform	83	2.619	2.619	0.000	99	88318	20.0	20.4	
43 Carbon tetrachloride	117	2.710	2.710	0.000	99	59654	20.0	19.9	
45 Ethyl acetate	70	2.718	2.718	0.000	99	12340	40.0	39.0	
44 Methyl acrylate	55	2.718	2.718	0.000	57	49144	20.0	21.5	
46 Tetrahydrofuran	42	2.726	2.726	0.000	96	42432	40.0	36.8	
$ 47 Dibromofluoromethane (Surr	113	2.743	2.743	0.000	96	80863	50.0	44.1	
48 1,1,1-Trichloroethane	97	2.751	2.751	0.000	98	74952	20.0	20.4	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	99	272863	250.0	250.0	
50 2-Butanone (MEK)	72	2.833	2.833	0.000	100	33400	100.0	77.1	
51 1,1-Dichloropropene	75	2.841	2.841	0.000	98	73007	20.0	22.5	
52 Isooctane	57	2.924	2.924	0.000	99	130051	20.0	24.5	
54 Benzene	78	3.014	3.014	0.000	96	213143	20.0	22.2	
53 n-Heptane	57	3.014	3.014	0.000	53	30416	20.0	25.1	
55 Propionitrile	54	3.039	3.039	0.000	99	72595	200.0	226.5	
56 Methacrylonitrile	67	3.055	3.055	0.000	92	232020	200.0	207.0	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	98	98862	50.0	44.0	
58 Tert-amyl methyl ether	73	3.129	3.129	0.000	99	149052	20.0	20.2	
59 1,2-Dichloroethane	62	3.170	3.170	0.000	97	71440	20.0	19.7	
60 Isobutyl alcohol	43	3.245	3.245	0.000	97	47794	500.0	558.6	
63 t-Amyl alcohol	59	3.310	3.310	0.000	96	32518	200.0	163.8	
* 61 Fluorobenzene	96	3.343	3.343	0.000	98	488227	50.0	50.0	
62 Isopropyl acetate	43	3.417	3.417	0.000	99	93725	20.0	20.9	
64 Methylcyclohexane	83	3.467	3.467	0.000	95	80876	20.0	24.8	
65 Trichloroethene	95	3.491	3.491	0.000	98	50051	20.0	19.1	
66 2-ethoxy-2-methyl butane	59	3.730	3.730	0.000	98	131114	20.0	21.3	
67 Dibromomethane	93	3.837	3.837	0.000	96	32335	20.0	19.7	
68 n-Butanol	56	3.854	3.854	0.000	89	29696	500.0	480.6	
69 1,2-Dichloropropane	63	3.928	3.928	0.000	91	55805	20.0	22.0	
71 Ethyl acrylate	55	4.010	4.010	0.000	86	66596	20.0	22.2	
70 Dichlorobromomethane	83	4.010	4.010	0.000	98	65005	20.0	20.6	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	92	27499	1000.0	1000.0	
73 Methyl methacrylate	100	4.199	4.199	0.000	90	28822	40.0	39.3	
74 1,4-Dioxane	88	4.207	4.207	0.000	97	13146	400.0	386.4	
75 n-Propyl acetate	43	4.347	4.347	0.000	99	72405	20.0	23.0	
76 2-Chloroethyl vinyl ether	63	4.602	4.602	0.000	97	37712	20.0	21.9	
77 cis-1,3-Dichloropropene	75	4.627	4.627	0.000	94	84887	20.0	22.4	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	99	335182	50.0	47.4	
79 Toluene	91	4.866	4.866	0.000	93	221498	20.0	21.0	
80 Epichlorohydrin	57	4.899	4.899	0.000	99	110027	400.0	422.1	
81 2-Nitropropane	41	5.113	5.113	0.000	96	20590	40.0	32.6	
82 Tetrachloroethene	166	5.285	5.285	0.000	95	48795	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
83 4-Methyl-2-pentanone (MIBK	43	5.327	5.327	0.000	97	257938	100.0	97.8	
84 trans-1,3-Dichloropropene	75	5.360	5.360	0.000	97	75683	20.0	21.9	
85 1,1,2-Trichloroethane	83	5.524	5.524	0.000	95	39645	20.0	21.6	
86 Ethyl methacrylate	69	5.615	5.615	0.000	90	66234	20.0	22.3	
87 Chlorodibromomethane	129	5.722	5.722	0.000	98	47617	20.0	19.7	
88 1,3-Dichloropropane	76	5.829	5.829	0.000	94	87271	20.0	22.6	
89 Ethylene Dibromide	107	5.952	5.952	0.000	99	45363	20.0	20.1	
90 n-Butyl acetate	43	6.314	6.314	0.000	99	75546	20.0	22.6	
91 2-Hexanone	43	6.364	6.364	0.000	95	179354	100.0	98.6	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	88	357571	50.0	50.0	
93 Chlorobenzene	112	6.652	6.652	0.000	93	141554	20.0	20.3	
94 Ethylbenzene	106	6.742	6.742	0.000	99	76457	20.0	20.5	
95 1,1,1,2-Tetrachloroethane	131	6.767	6.767	0.000	93	46257	20.0	19.9	
96 m-Xylene & p-Xylene	106	6.956	6.956	0.000	97	95332	20.0	21.9	
97 o-Xylene	106	7.532	7.532	0.000	93	90792	20.0	21.1	
98 Bromoform	173	7.590	7.590	0.000	94	28075	20.0	18.1	
99 Styrene	104	7.614	7.614	0.000	94	157763	20.0	22.7	
100 n-Butyl acrylate	73	7.952	7.952	0.000	98	38320	20.0	23.1	
101 Isopropylbenzene	105	8.018	8.018	0.000	96	242736	20.0	22.0	
102 Amyl acetate (mixed isomer	43	8.363	8.363	0.000	91	91929	20.0	23.1	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	85	102819	50.0	43.1	
104 Bromobenzene	156	8.479	8.479	0.000	97	58616	20.0	19.5	
105 N-Propylbenzene	91	8.643	8.643	0.000	99	290894	20.0	22.9	
106 1,1,2,2-Tetrachloroethane	83	8.791	8.791	0.000	97	60670	20.0	21.0	
107 2-Chlorotoluene	91	8.808	8.808	0.000	96	202626	20.0	22.5	
108 4-Ethyltoluene	105	8.832	8.832	0.000	98	246337	20.0	22.2	
109 1,2,3-Trichloropropane	110	8.915	8.915	0.000	98	18432	20.0	19.9	
110 1,3,5-Trimethylbenzene	105	8.989	8.989	0.000	93	205119	20.0	22.2	
111 trans-1,4-Dichloro-2-buten	53	9.046	9.046	0.000	86	18008	20.0	22.4	
112 4-Chlorotoluene	91	9.071	9.071	0.000	98	187317	20.0	22.5	
113 tert-Butylbenzene	119	9.450	9.450	0.000	94	167545	20.0	21.6	
114 1,2,4-Trimethylbenzene	105	9.573	9.573	0.000	97	204125	20.0	22.1	
115 Butyl Methacrylate	87	9.590	9.590	0.000	94	70262	20.0	22.0	
116 sec-Butylbenzene	105	9.738	9.738	0.000	99	247384	20.0	21.9	
117 1,3-Dichlorobenzene	146	9.985	9.985	0.000	95	112801	20.0	20.2	
118 4-Isopropyltoluene	119	10.018	10.018	0.000	98	209241	20.0	21.5	
* 119 1,4-Dichlorobenzene-d4	152	10.125	10.125	0.000	97	200128	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.141	10.141	0.000	94	117129	20.0	19.7	
121 1,2,3-Trimethylbenzene	105	10.256	10.256	0.000	0	211582	20.0	21.9	
122 2,3-Dihydroindene	117	10.421	10.421	0.000	94	215449	20.0	21.1	
123 Benzyl chloride	126	10.594	10.594	0.000	98	21105	20.0	20.4	
124 p-Diethylbenzene	119	10.627	10.627	0.000	93	111177	20.0	20.8	
125 n-Butylbenzene	92	10.709	10.709	0.000	98	93960	20.0	21.6	
126 1,2-Dichlorobenzene	146	10.808	10.808	0.000	95	111273	20.0	20.4	
127 1,2,4,5-Tetramethylbenzene	119	11.754	11.754	0.000	97	170869	20.0	25.9	
128 1,2-Dibromo-3-Chloropropan	157	11.869	11.869	0.000	96	11491	20.0	18.5	
129 1,3,5-Trichlorobenzene	180	11.910	11.910	0.000	97	71641	20.0	19.2	
130 1,2,4-Trichlorobenzene	180	12.445	12.445	0.000	94	64655	20.0	19.4	
131 Hexachlorobutadiene	225	12.462	12.462	0.000	89	22334	20.0	18.2	
132 Naphthalene	128	12.668	12.668	0.000	99	150117	20.0	21.4	
133 1,2,3-Trichlorobenzene	180	12.791	12.791	0.000	95	60561	20.0	19.6	
S 134 1,2-Dichloroethene, Total	100				0		40.0	37.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 1,3-Dichloropropene, Total	100				0		40.0	44.3	
S 136 Xylenes, Total	100				0		40.0	42.9	
S 137 Total BTEX	1				0		100.0	106.7	

Reagents:

ACROLEIN W_00063	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00055	Amount Added:	20.00	Units: uL	
GASES Li_00204	Amount Added:	20.00	Units: uL	
8260ISNEW_00111	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00155	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 28-Apr-2017 04:41:14 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70081.D

Injection Date: 28-Apr-2017 00:08:30 Instrument ID: CVOAMS5 Operator ID:

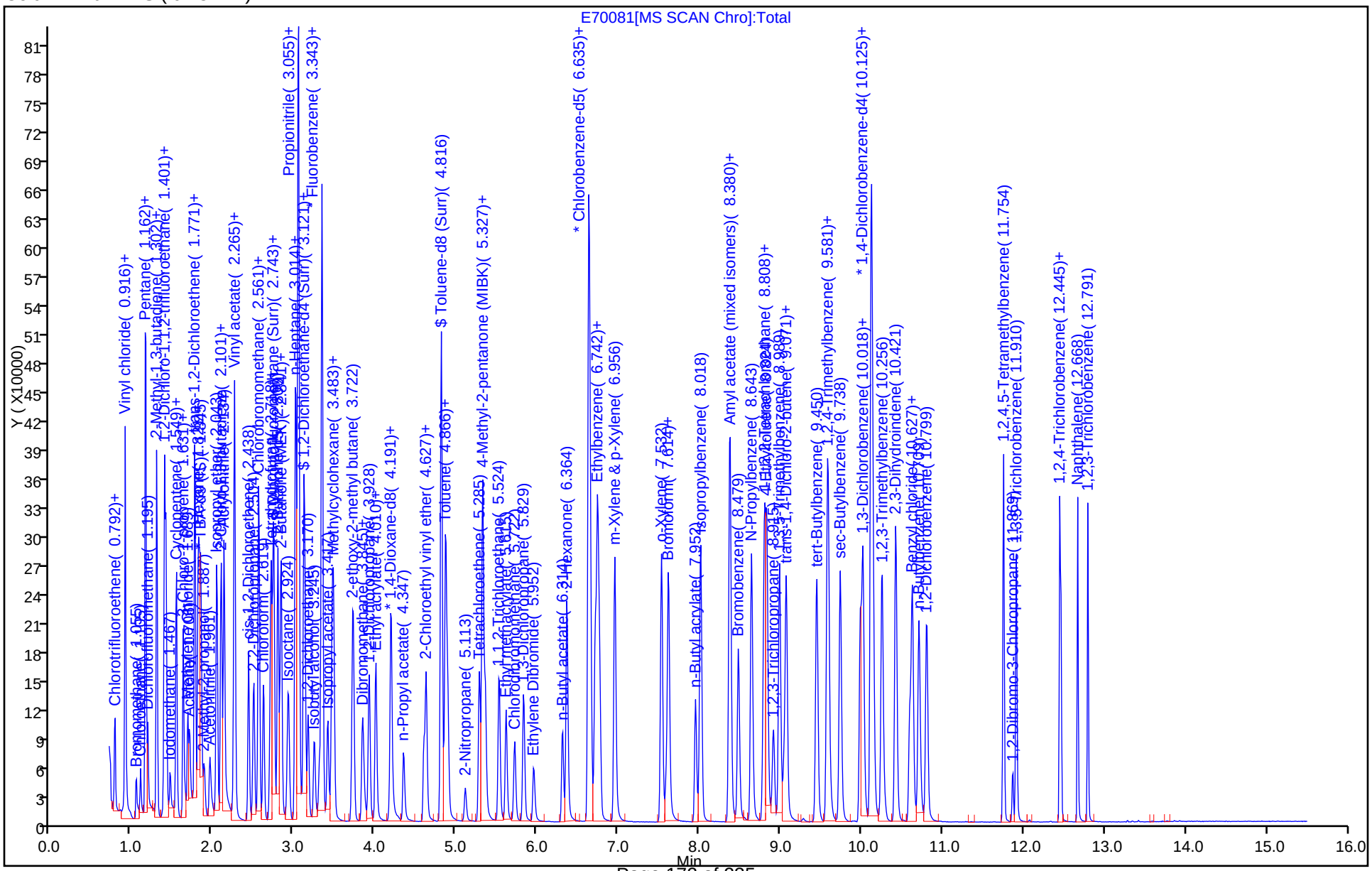
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 1

Method: 8260W_5 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-VMS (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Lab Sample ID: CCVIS 460-433683/2 Calibration Date: 04/28/2017 13:07

Instrument ID: CVOAMS5 Calib Start Date: 04/19/2017 21:44

GC Column: Rtx-VMS ID: 0.18(mm) Calib End Date: 04/20/2017 02:57

Lab File ID: E70111.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	0.0493	0.0304		12.3	20.0	-38.5*	20.0
Dichlorodifluoromethane	Ave	0.3635	0.2848	0.1000	15.7	20.0	-21.7*	20.0
Vinyl chloride	Ave	0.3406	0.3338	0.1000	19.6	20.0	-2.0	20.0
Butadiene	Ave	0.2836	0.2944		20.8	20.0	3.8	20.0
Chloromethane	Ave	0.4499	0.4580	0.1000	20.4	20.0	1.8	20.0
Bromomethane	Ave	0.1935	0.0769*	0.1000	7.95	20.0	-60.2*	50.0
Chloroethane	Ave	0.1926	0.1429	0.1000	14.8	20.0	-25.8	50.0
Pentane	Ave	0.0491	0.0406		33.1	40.0	-17.3	20.0
Trichlorofluoromethane	Ave	0.4145	0.3516	0.1000	17.0	20.0	-15.2	20.0
Dichlorofluoromethane	Ave	0.4145	0.4517		21.8	20.0	9.0	20.0
2-Methyl-1,3-butadiene	Ave	0.3783	0.3832		20.3	20.0	1.3	20.0
Ethyl ether	Ave	0.2345	0.2186		18.6	20.0	-6.8	20.0
Ethanol	QuaF		0.0694		913	800	14.1	50.0
1,1-Dichloroethene	Ave	0.2443	0.1910	0.1000	15.6	20.0	-21.8*	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2944	0.2829		19.2	20.0	-3.9	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2098	0.2005	0.1000	19.1	20.0	-4.4	20.0
Carbon disulfide	Ave	0.8263	0.7157	0.1000	17.3	20.0	-13.4	50.0
Iodomethane	Ave	0.3573	0.1217		6.81	20.0	-66.0*	20.0
Cyclopentene	Ave	0.6361	0.6088		19.1	20.0	-4.3	20.0
Acrolein	Ave	1.321	0.5227		15.8	40.0	-60.4*	50.0
Allyl chloride	Ave	0.1456	0.1315		18.1	20.0	-9.7	20.0
Isopropyl alcohol	Lin2		0.6811		225	200	12.7	50.0
Methylene Chloride	Ave	0.2825	0.2519	0.1000	17.8	20.0	-10.9	20.0
Acetone	Qua2		0.2011	0.0500	102	100	1.7	50.0
trans-1,2-Dichloroethene	Ave	0.2721	0.2228	0.1000	16.4	20.0	-18.1	20.0
Methyl acetate	Ave	1.548	1.688	0.1000	109	100	9.1	20.0
Hexane	Ave	0.4686	0.5190		22.1	20.0	10.7	20.0
Methyl tert-butyl ether	Ave	0.8088	0.7419	0.1000	18.3	20.0	-8.3	20.0
2-Methyl-2-propanol	Lin2		1.217		218	200	8.9	50.0
Acetonitrile	Ave	1.515	1.622		214	200	7.1	20.0
Isopropyl ether	Ave	0.8623	0.8910		20.7	20.0	3.3	20.0
2-Chloro-1,3-butadiene	Ave	0.2396	0.2087		17.4	20.0	-12.9	20.0
1,1-Dichloroethane	Ave	0.4820	0.4583	0.2000	19.0	20.0	-4.9	20.0
Acrylonitrile	Ave	0.1028	0.1076		209	200	4.6	20.0
Tert-butyl ethyl ether	Ave	0.8518	0.8263		19.4	20.0	-3.0	20.0
Vinyl acetate	Ave	0.0594	0.0553		37.2	40.0	-6.9	20.0
cis-1,2-Dichloroethene	Ave	0.2848	0.2582	0.1000	18.1	20.0	-9.4	20.0
2,2-Dichloropropane	Ave	0.3727	0.3612		19.4	20.0	-3.1	20.0
Chlorobromomethane	Ave	0.1368	0.1235		18.1	20.0	-9.7	20.0
Cyclohexane	Ave	0.3494	0.4315	0.1000	24.7	20.0	23.5	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Lab Sample ID: CCVIS 460-433683/2 Calibration Date: 04/28/2017 13:07

Instrument ID: CVOAMS5 Calib Start Date: 04/19/2017 21:44

GC Column: Rtx-VMS ID: 0.18(mm) Calib End Date: 04/20/2017 02:57

Lab File ID: E70111.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
Chloroform	Ave	0.4429	0.4291	0.2000	19.4	20.0	-3.1	20.0
Carbon tetrachloride	Ave	0.3062	0.2833	0.1000	18.5	20.0	-7.5	20.0
Ethyl acetate	Ave	0.2899	0.2634		36.3	40.0	-9.2	20.0
Methyl acrylate	Ave	0.2341	0.2503		21.4	20.0	6.9	20.0
Tetrahydrofuran	Ave	1.055	0.9110		34.5	40.0	-13.7	20.0
1,1,1-Trichloroethane	Ave	0.3770	0.3555	0.1000	18.9	20.0	-5.7	20.0
2-Butanone	Ave	0.3971	0.2938	0.0500	74.0	100	-26.0	50.0
1,1-Dichloropropene	Lin2		0.3402		20.4	20.0	2.2	20.0
2,2,4-Trimethylpentane	Ave	0.5436	0.6272		23.1	20.0	15.4	20.0
Benzene	Ave	1.340	1.375	0.5000	20.5	20.0	2.6	20.0
n-Heptane	Ave	0.1242	0.1453		23.4	20.0	17.0	20.0
Propionitrile	Ave	1.541	1.708		222	200	10.8	20.0
Methacrylonitrile	Ave	0.1148	0.1168		204	200	1.8	20.0
Tert-amyl methyl ether	Ave	0.7559	0.7334		19.4	20.0	-3.0	20.0
1,2-Dichloroethane	Ave	0.3713	0.3508	0.1000	18.9	20.0	-5.5	20.0
Isobutyl alcohol	Ave	0.4115	0.4389		533	500	6.7	50.0
Isopropyl acetate	Ave	0.4586	0.4858		21.2	20.0	5.9	20.0
Methylcyclohexane	Ave	0.3334	0.3829	0.1000	23.0	20.0	14.8	50.0
Trichloroethene	Ave	0.2677	0.2364	0.2000	17.7	20.0	-11.7	20.0
Dibromomethane	Ave	0.1680	0.1561		18.6	20.0	-7.1	20.0
n-Butanol	QuaF		0.2659		447	500	-10.5	50.0
1,2-Dichloropropane	Ave	0.2600	0.2693	0.1000	20.7	20.0	3.6	20.0
Ethyl acrylate	Ave	0.3068	0.3332		21.7	20.0	8.6	20.0
Bromodichloromethane	Ave	0.3228	0.3104	0.2000	19.2	20.0	-3.9	20.0
Methyl methacrylate	Ave	0.0751	0.0740		39.4	40.0	-1.5	20.0
1,4-Dioxane	Ave	1.237	1.150		372	400	-7.0	50.0
n-Propyl acetate	Ave	0.3228	0.3750		23.2	20.0	16.2	20.0
2-Chloroethyl vinyl ether	Ave	0.1767	0.1908		21.6	20.0	8.0	20.0
cis-1,3-Dichloropropene	Ave	0.5305	0.5550	0.2000	20.9	20.0	4.6	50.0
Toluene	Ave	1.476	1.456	0.4000	19.7	20.0	-1.4	20.0
Epichlorohydrin	Ave	0.2388	0.2374		398	400	-0.6	20.0
2-Nitropropane	Ave	0.0646	0.0522		32.3	40.0	-19.2	20.0
Tetrachloroethene	Ave	0.3550	0.3220	0.2000	18.1	20.0	-9.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	2.417	2.221	0.0500	91.9	100	-8.1	50.0
trans-1,3-Dichloropropene	Ave	0.4823	0.5045	0.1000	20.9	20.0	4.6	50.0
1,1,2-Trichloroethane	Ave	0.2571	0.2611	0.1000	20.3	20.0	1.6	20.0
Ethyl methacrylate	Ave	0.4150	0.4651		22.4	20.0	12.1	20.0
Dibromochloromethane	Ave	0.3372	0.3134	0.1000	18.6	20.0	-7.0	50.0
1,3-Dichloropropane	Ave	0.5411	0.5832		21.6	20.0	7.8	20.0
Ethylene Dibromide	Ave	0.3152	0.3146	0.1000	20.0	20.0	-0.2	20.0
n-Butyl acetate	Ave	0.4670	0.5255		22.5	20.0	12.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Lab Sample ID: CCVIS 460-433683/2 Calibration Date: 04/28/2017 13:07

Instrument ID: CVOAMS5 Calib Start Date: 04/19/2017 21:44

GC Column: Rtx-VMS ID: 0.18(mm) Calib End Date: 04/20/2017 02:57

Lab File ID: E70111.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
2-Hexanone	Ave	1.666	1.570	0.0500	94.2	100	-5.8	50.0
Chlorobenzene	Ave	0.9735	0.9311	0.5000	19.1	20.0	-4.4	20.0
Ethylbenzene	Ave	0.5215	0.5062	0.1000	19.4	20.0	-2.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3249	0.2953		18.2	20.0	-9.1	20.0
m-Xylene & p-Xylene	Ave	0.6097	0.6280	0.1000	20.6	20.0	3.0	20.0
o-Xylene	Ave	0.6022	0.6094	0.3000	20.2	20.0	1.2	20.0
Bromoform	Ave	0.2173	0.1868	0.1000	17.2	20.0	-14.0	20.0
Styrene	Ave	0.9730	1.028	0.3000	21.1	20.0	5.7	20.0
n-Butyl acrylate	Ave	0.2320	0.2609		22.5	20.0	12.4	20.0
Isopropylbenzene	Ave	1.544	1.611	0.1000	20.9	20.0	4.3	20.0
Amyl acetate (mixed isomers)	Ave	0.995	1.106		22.2	20.0	11.1	20.0
Bromobenzene	Ave	0.7508	0.6891		18.4	20.0	-8.2	20.0
N-Propylbenzene	Ave	3.174	3.348		21.1	20.0	5.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7211	0.7384	0.3000	20.5	20.0	2.4	20.0
2-Chlorotoluene	Ave	2.248	2.356		21.0	20.0	4.8	20.0
4-Ethyltoluene	Ave	2.777	2.865		20.6	20.0	3.2	20.0
1,2,3-Trichloropropane	Ave	0.2310	0.2237		19.4	20.0	-3.2	20.0
1,3,5-Trimethylbenzene	Ave	2.305	2.354		20.4	20.0	2.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2010	0.1972		19.6	20.0	-1.9	20.0
4-Chlorotoluene	Ave	2.079	2.166		20.8	20.0	4.2	20.0
tert-Butylbenzene	Ave	1.934	1.942		20.1	20.0	0.4	20.0
1,2,4-Trimethylbenzene	Ave	2.310	2.370		20.5	20.0	2.6	20.0
Butyl Methacrylate	Ave	0.7978	0.8335		20.9	20.0	4.5	20.0
sec-Butylbenzene	Ave	2.819	2.860		20.3	20.0	1.5	20.0
1,3-Dichlorobenzene	Ave	1.394	1.307	0.6000	18.7	20.0	-6.3	20.0
4-Isopropyltoluene	Ave	2.427	2.410		19.9	20.0	-0.7	20.0
1,4-Dichlorobenzene	Ave	1.485	1.360	0.5000	18.3	20.0	-8.4	20.0
1,2,3-Trimethylbenzene	Ave	2.409	2.459		20.4	20.0	2.0	20.0
Indan	Ave	2.549	2.539		19.9	20.0	-0.4	20.0
Benzyl chloride	Qua2		0.2468		19.1	20.0	-4.4	50.0
p-Diethylbenzene	Ave	1.338	1.284		19.2	20.0	-4.0	20.0
n-Butylbenzene	Ave	1.085	1.074		19.8	20.0	-1.1	20.0
1,2-Dichlorobenzene	Ave	1.363	1.292	0.4000	19.0	20.0	-5.2	20.0
1,2,4,5-Tetramethylbenzene	Ave	1.650	1.961		23.8	20.0	18.9	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1553	0.1413	0.0500	18.2	20.0	-9.0	50.0
1,3,5-Trichlorobenzene	Ave	0.9304	0.8388		18.0	20.0	-9.8	20.0
1,2,4-Trichlorobenzene	Ave	0.8340	0.7687	0.2000	18.4	20.0	-7.8	20.0
Hexachlorobutadiene	Ave	0.3067	0.2674		17.4	20.0	-12.8	20.0
Naphthalene	Ave	1.756	1.903		21.7	20.0	8.4	50.0
1,2,3-Trichlorobenzene	Ave	0.7703	0.7237		18.8	20.0	-6.1	20.0
Dibromofluoromethane (Surr)	Ave	0.1877	0.1730		46.1	50.0	-7.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Lab Sample ID: CCVIS 460-433683/2 Calibration Date: 04/28/2017 13:07

Instrument ID: CVOAMS5 Calib Start Date: 04/19/2017 21:44

GC Column: Rtx-VMS ID: 0.18(mm) Calib End Date: 04/20/2017 02:57

Lab File ID: E70111.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethane-d4 (Surr)	Ave	0.2300	0.2112		45.9	50.0	-8.2	20.0
Toluene-d8 (Surr)	Ave	0.9888	0.9833		49.7	50.0	-0.6	20.0
Bromofluorobenzene	Ave	0.3335	0.2965		44.5	50.0	-11.1	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70111.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 28-Apr-2017 13:07:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0054412-002
Operator ID: Instrument ID: CVOAMS5
Sublist: chrom-8260W_5*sub52

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Apr-2017 20:40:40 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: martineze Date: 28-Apr-2017 13:35:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.784	0.784	0.000	89	5699	20.0	12.3	
2 Dichlorodifluoromethane	85	0.792	0.792	0.000	99	53471	20.0	15.7	
3 Vinyl chloride	62	0.907	0.907	0.000	98	62678	20.0	19.6	
5 Chloromethane	50	0.915	0.915	0.000	77	86006	20.0	20.4	
4 Butadiene	54	0.915	0.915	0.000	93	55276	20.0	20.8	
6 Bromomethane	94	1.047	1.047	0.000	98	14445	20.0	7.95	
7 Chloroethane	64	1.105	1.105	0.000	98	26831	20.0	14.8	
9 Trichlorofluoromethane	101	1.162	1.162	0.000	59	66020	20.0	17.0	
8 Pentane	72	1.162	1.162	0.000	97	15237	40.0	33.1	
10 Dichlorofluoromethane	67	1.195	1.195	0.000	99	84808	20.0	21.8	
11 2-Methyl-1,3-butadiene	67	1.302	1.302	0.000	97	71947	20.0	20.3	
13 Ethyl ether	59	1.310	1.310	0.000	93	41055	20.0	18.6	
12 Ethanol	46	1.393	1.393	0.000	36	12068	800.0	912.9	
14 1,1-Dichloroethene	96	1.401	1.401	0.000	95	35866	20.0	15.6	
15 1,2-Dichloro-1,1,2-trifluo	67	1.401	1.401	0.000	81	53117	20.0	19.2	
17 Carbon disulfide	76	1.417	1.417	0.000	100	134392	20.0	17.3	
16 1,1,2-Trichloro-1,2,2-trif	101	1.417	1.417	0.000	94	37656	20.0	19.1	
18 Iodomethane	142	1.467	1.467	0.000	99	22842	20.0	6.81	
19 Cyclopentene	67	1.541	1.541	0.000	96	114317	20.0	19.1	
20 Acrolein	56	1.566	1.566	0.000	94	4543	40.0	15.8	
21 3-Chloro-1-propene	76	1.631	1.631	0.000	92	24696	20.0	18.1	
22 Isopropyl alcohol	45	1.656	1.656	0.000	98	29602	200.0	225.5	
23 Methylene Chloride	84	1.689	1.689	0.000	98	47293	20.0	17.8	
24 Acetone	58	1.714	1.714	0.000	86	22634	100.0	101.7	
25 trans-1,2-Dichloroethene	96	1.771	1.771	0.000	98	41838	20.0	16.4	
26 Methyl acetate	74	1.780	1.780	0.000	100	36690	100.0	109.1	
27 Hexane	57	1.812	1.812	0.000	91	97446	20.0	22.1	
28 Methyl tert-butyl ether	73	1.829	1.829	0.000	90	139310	20.0	18.3	
* 29 TBA-d9 (IS)	65	1.854	1.854	0.000	99	217304	1000.0	1000.0	
30 2-Methyl-2-propanol	59	1.895	1.895	0.000	99	52913	200.0	217.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acetonitrile	41	1.961	1.961	0.000	99	70493	200.0	214.1	
32 Isopropyl ether	45	2.043	2.043	0.000	98	167307	20.0	20.7	
33 2-Chloro-1,3-butadiene	88	2.092	2.092	0.000	92	39185	20.0	17.4	
34 1,1-Dichloroethane	63	2.109	2.109	0.000	99	86056	20.0	19.0	
35 Acrylonitrile	53	2.133	2.133	0.000	94	202056	200.0	209.3	
36 Tert-butyl ethyl ether	59	2.265	2.265	0.000	53	155157	20.0	19.4	
37 Vinyl acetate	86	2.265	2.265	0.000	100	20756	40.0	37.2	
38 cis-1,2-Dichloroethene	96	2.438	2.438	0.000	94	48479	20.0	18.1	
39 2,2-Dichloropropane	77	2.504	2.504	0.000	97	67823	20.0	19.4	
41 Chlorobromomethane	128	2.561	2.561	0.000	78	23187	20.0	18.1	
40 Cyclohexane	56	2.561	2.561	0.000	92	81015	20.0	24.7	
42 Chloroform	83	2.619	2.619	0.000	98	80570	20.0	19.4	
43 Carbon tetrachloride	117	2.701	2.701	0.000	98	53196	20.0	18.5	
45 Ethyl acetate	70	2.718	2.718	0.000	99	11857	40.0	36.3	
44 Methyl acrylate	55	2.718	2.718	0.000	56	47001	20.0	21.4	
46 Tetrahydrofuran	42	2.726	2.726	0.000	96	41012	40.0	34.5	
$ 47 Dibromofluoromethane (Surr	113	2.742	2.742	0.000	96	81213	50.0	46.1	
48 1,1,1-Trichloroethane	97	2.751	2.751	0.000	98	66752	20.0	18.9	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	99	281381	250.0	250.0	
50 2-Butanone (MEK)	72	2.833	2.833	0.000	100	33062	100.0	74.0	
51 1,1-Dichloropropene	75	2.841	2.841	0.000	97	63879	20.0	20.4	
52 Isooctane	57	2.923	2.923	0.000	99	117767	20.0	23.1	
54 Benzene	78	3.014	3.014	0.000	97	188066	20.0	20.5	
53 n-Heptane	57	3.014	3.014	0.000	54	27288	20.0	23.4	
55 Propionitrile	54	3.039	3.039	0.000	99	74233	200.0	221.7	
56 Methacrylonitrile	67	3.055	3.055	0.000	92	219398	200.0	203.6	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	97	99141	50.0	45.9	
58 Tert-amyl methyl ether	73	3.129	3.129	0.000	99	137703	20.0	19.4	
59 1,2-Dichloroethane	62	3.170	3.170	0.000	97	65870	20.0	18.9	
60 Isobutyl alcohol	43	3.253	3.253	0.000	97	47686	500.0	533.3	
63 t-Amyl alcohol	59	3.318	3.318	0.000	96	33190	200.0	173.8	
* 61 Fluorobenzene	96	3.343	3.343	0.000	98	469429	50.0	50.0	
62 Isopropyl acetate	43	3.417	3.417	0.000	99	91211	20.0	21.2	
64 Methylcyclohexane	83	3.467	3.467	0.000	96	71888	20.0	23.0	
65 Trichloroethene	95	3.491	3.491	0.000	99	44392	20.0	17.7	
66 2-ethoxy-2-methyl butane	59	3.722	3.722	0.000	98	119047	20.0	20.1	
67 Dibromomethane	93	3.837	3.837	0.000	96	29301	20.0	18.6	
68 n-Butanol	56	3.853	3.853	0.000	89	28889	500.0	447.4	
69 1,2-Dichloropropane	63	3.927	3.927	0.000	90	50565	20.0	20.7	
71 Ethyl acrylate	55	4.002	4.002	0.000	93	62565	20.0	21.7	
70 Dichlorobromomethane	83	4.010	4.010	0.000	99	58288	20.0	19.2	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	92	27045	1000.0	1000.0	
73 Methyl methacrylate	100	4.199	4.199	0.000	92	27785	40.0	39.4	
74 1,4-Dioxane	88	4.207	4.207	0.000	97	12440	400.0	371.8	
75 n-Propyl acetate	43	4.347	4.347	0.000	99	70411	20.0	23.2	
76 2-Chloroethyl vinyl ether	63	4.602	4.602	0.000	97	35824	20.0	21.6	
77 cis-1,3-Dichloropropene	75	4.627	4.627	0.000	94	75899	20.0	20.9	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	99	336163	50.0	49.7	
79 Toluene	91	4.866	4.866	0.000	93	199035	20.0	19.7	
80 Epichlorohydrin	57	4.899	4.899	0.000	99	106889	400.0	397.7	
81 2-Nitropropane	41	5.113	5.113	0.000	98	19618	40.0	32.3	
82 Tetrachloroethene	166	5.285	5.285	0.000	95	44037	20.0	18.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 4-Methyl-2-pentanone (MIBK	43	5.327	5.327	0.000	96	249952	100.0	91.9	
84 trans-1,3-Dichloropropene	75	5.359	5.359	0.000	95	68983	20.0	20.9	
85 1,1,2-Trichloroethane	83	5.524	5.524	0.000	94	35703	20.0	20.3	
86 Ethyl methacrylate	69	5.615	5.615	0.000	89	63595	20.0	22.4	
87 Chlorodibromomethane	129	5.722	5.722	0.000	98	42862	20.0	18.6	
88 1,3-Dichloropropane	76	5.829	5.829	0.000	94	79750	20.0	21.6	
89 Ethylene Dibromide	107	5.952	5.952	0.000	98	43020	20.0	20.0	
90 n-Butyl acetate	43	6.314	6.314	0.000	99	71865	20.0	22.5	
91 2-Hexanone	43	6.363	6.363	0.000	96	176685	100.0	94.2	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	89	341863	50.0	50.0	
93 Chlorobenzene	112	6.651	6.651	0.000	93	127324	20.0	19.1	
94 Ethylbenzene	106	6.742	6.742	0.000	98	69221	20.0	19.4	
95 1,1,1,2-Tetrachloroethane	131	6.767	6.767	0.000	93	40377	20.0	18.2	
96 m-Xylene & p-Xylene	106	6.956	6.956	0.000	97	85872	20.0	20.6	
97 o-Xylene	106	7.532	7.532	0.000	94	83326	20.0	20.2	
98 Bromoform	173	7.590	7.590	0.000	94	25538	20.0	17.2	
99 Styrene	104	7.623	7.623	0.000	95	140640	20.0	21.1	
100 n-Butyl acrylate	73	7.952	7.952	0.000	99	35670	20.0	22.5	
101 Isopropylbenzene	105	8.018	8.018	0.000	96	220326	20.0	20.9	
102 Amyl acetate (mixed isomer	43	8.363	8.363	0.000	91	86168	20.0	22.2	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	86	101351	50.0	44.5	
104 Bromobenzene	156	8.478	8.478	0.000	96	53708	20.0	18.4	
105 N-Propylbenzene	91	8.643	8.643	0.000	99	260895	20.0	21.1	
106 1,1,2,2-Tetrachloroethane	83	8.791	8.791	0.000	97	57548	20.0	20.5	
107 2-Chlorotoluene	91	8.808	8.808	0.000	96	183603	20.0	21.0	
108 4-Ethyltoluene	105	8.832	8.832	0.000	98	223307	20.0	20.6	
109 1,2,3-Trichloropropane	110	8.915	8.915	0.000	98	17434	20.0	19.4	
110 1,3,5-Trimethylbenzene	105	8.989	8.989	0.000	93	183498	20.0	20.4	
111 trans-1,4-Dichloro-2-buten	53	9.046	9.046	0.000	86	15365	20.0	19.6	
112 4-Chlorotoluene	91	9.071	9.071	0.000	98	168812	20.0	20.8	
113 tert-Butylbenzene	119	9.450	9.450	0.000	94	151354	20.0	20.1	
114 1,2,4-Trimethylbenzene	105	9.581	9.581	0.000	97	184745	20.0	20.5	
115 Butyl Methacrylate	87	9.589	9.589	0.000	93	64960	20.0	20.9	
116 sec-Butylbenzene	105	9.738	9.738	0.000	99	222875	20.0	20.3	
117 1,3-Dichlorobenzene	146	9.985	9.985	0.000	95	101864	20.0	18.7	
118 4-Isopropyltoluene	119	10.017	10.017	0.000	98	187802	20.0	19.9	
* 119 1,4-Dichlorobenzene-d4	152	10.124	10.124	0.000	96	194841	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.141	10.141	0.000	93	105956	20.0	18.3	
121 1,2,3-Trimethylbenzene	105	10.256	10.256	0.000	0	191607	20.0	20.4	
122 2,3-Dihydroindene	117	10.421	10.421	0.000	94	197882	20.0	19.9	
123 Benzyl chloride	126	10.594	10.594	0.000	98	19238	20.0	19.1	
124 p-Diethylbenzene	119	10.626	10.626	0.000	95	100061	20.0	19.2	
125 n-Butylbenzene	92	10.709	10.709	0.000	99	83668	20.0	19.8	
126 1,2-Dichlorobenzene	146	10.799	10.799	0.000	94	100684	20.0	19.0	
127 1,2,4,5-Tetramethylbenzene	119	11.754	11.754	0.000	97	152863	20.0	23.8	
128 1,2-Dibromo-3-Chloropropan	157	11.869	11.869	0.000	97	11009	20.0	18.2	
129 1,3,5-Trichlorobenzene	180	11.910	11.910	0.000	97	65375	20.0	18.0	
130 1,2,4-Trichlorobenzene	180	12.445	12.445	0.000	94	59913	20.0	18.4	
131 Hexachlorobutadiene	225	12.462	12.462	0.000	90	20842	20.0	17.4	
132 Naphthalene	128	12.667	12.667	0.000	99	148305	20.0	21.7	
133 1,2,3-Trichlorobenzene	180	12.791	12.791	0.000	95	56403	20.0	18.8	
S 134 1,2-Dichloroethene, Total	100				0		40.0	34.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 1,3-Dichloropropene, Total	100				0		40.0	41.8	
S 136 Xylenes, Total	100				0		40.0	40.8	
S 137 Total BTEX	1				0		100.0	100.5	

Reagents:

ACROLEIN W_00063	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00055	Amount Added:	20.00	Units: uL	
GASES Li_00204	Amount Added:	20.00	Units: uL	
8260ISNEW_00111	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00155	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 28-Apr-2017 20:40:41 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70111.D

Injection Date: 28-Apr-2017 13:07:30 Instrument ID: CVOAMS5 Operator ID:

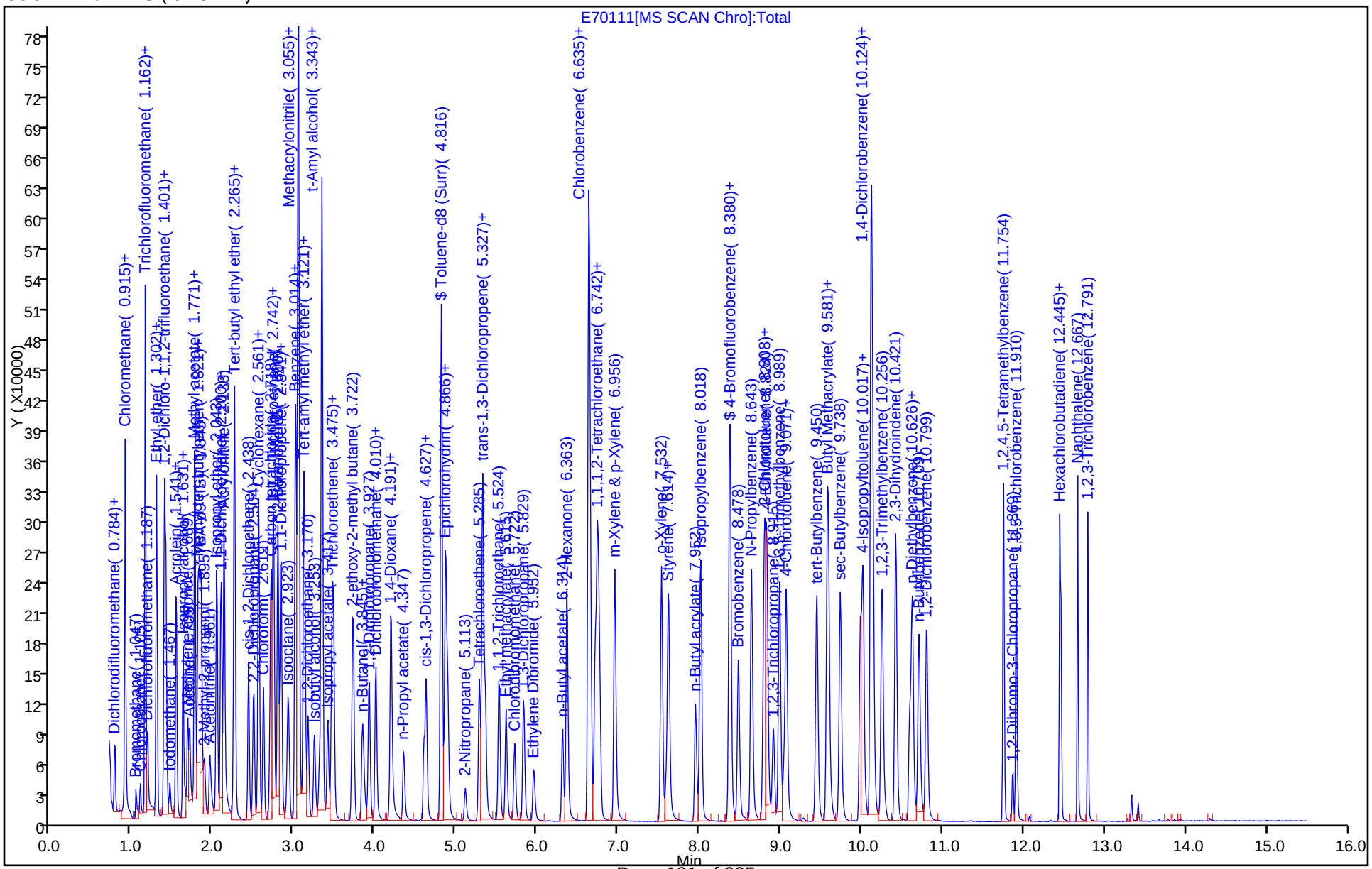
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 1

Method: 8260W_5 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-VMS (0.18 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68849.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 19-Apr-2017 21:19:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0053982-001
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Apr-2017 14:23:39 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK022

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 139 BFB	95	2.319	2.319	0.000	87	44497	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

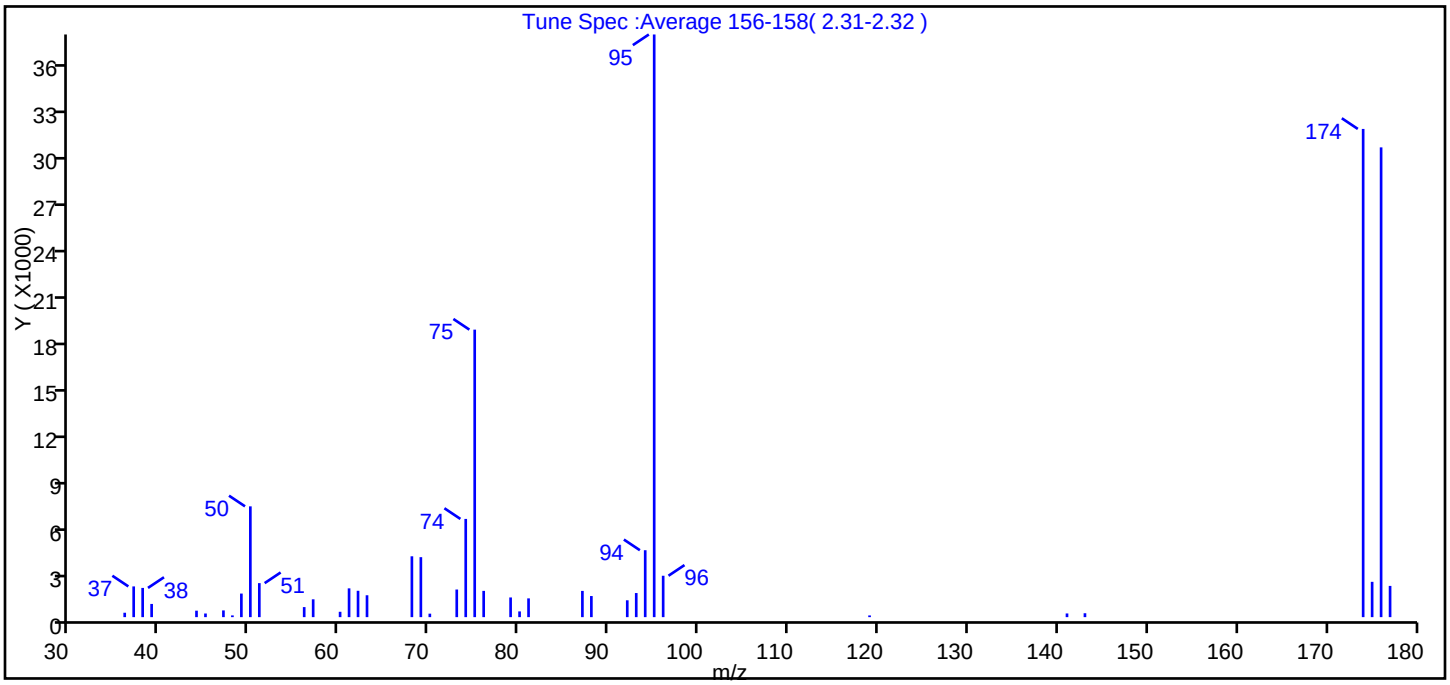
BFB_00014 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68849.D
Injection Date: 19-Apr-2017 21:19:30 Instrument ID: CVOAMS5
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 139 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.0
75	30 to 60% of m/z 95	49.3
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	83.8
175	5 to 9% of m/z 174	6.1 (7.2)
176	Greater than 95% but less than 101% of m/z 174	80.6 (96.2)
177	5 to 9% of m/z 176	5.4 (6.6)

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68849.D\8260W_5.rslt\spectra.d
Injection Date: 19-Apr-2017 21:19:30
Spectrum: Tune Spec :Average 156-158(2.31-2.32)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 41

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	281	56.00	641	75.00	18336	96.00	2640
37.00	1960	57.00	1138	76.00	1675	119.00	109
38.00	1864	60.00	342	79.00	1256	141.00	235
39.00	842	61.00	1836	80.00	366	143.00	249
44.00	412	62.00	1681	81.00	1197	174.00	31136
45.00	232	63.00	1396	87.00	1673	175.00	2252
47.00	430	68.00	3881	88.00	1346	176.00	29960
48.00	111	69.00	3825	92.00	1075	177.00	1992
49.00	1504	70.00	222	93.00	1537		
50.00	7066	73.00	1762	94.00	4268		
51.00	2169	74.00	6264	95.00	37160		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70080.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 27-Apr-2017 23:53:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0054375-001
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Apr-2017 04:39:29 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK022

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 139 BFB	95	2.307	2.307	0.000	80	39574	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

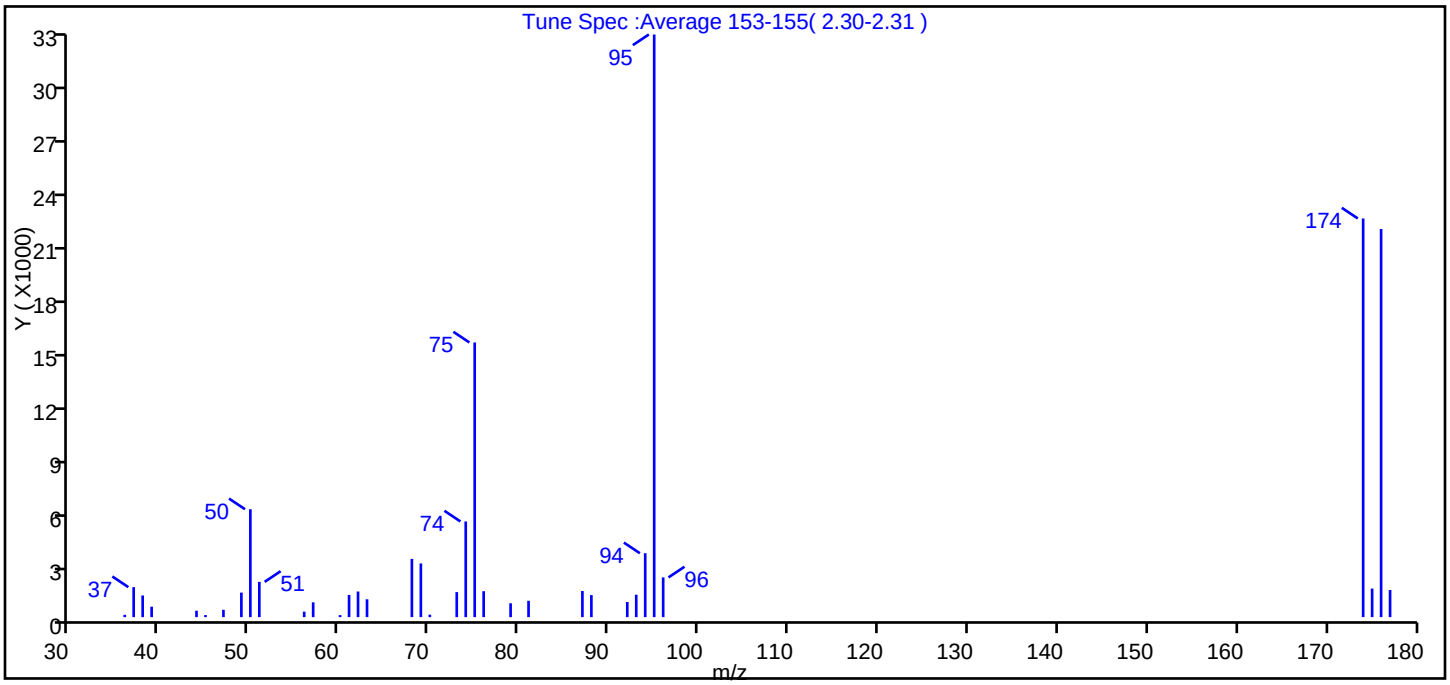
BFB_00014 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70080.D
Injection Date: 27-Apr-2017 23:53:30 Instrument ID: CVOAMS5
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 139 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.5
75	30 to 60% of m/z 95	47.1
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	68.4
175	5 to 9% of m/z 174	4.9 (7.2)
176	Greater than 95% but less than 101% of m/z 174	66.6 (97.4)
177	5 to 9% of m/z 176	4.7 (7.0)

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70080.D\8260W_5.rslt\spectra.d
Injection Date: 27-Apr-2017 23:53:30
Spectrum: Tune Spec :Average 153-155(2.30-2.31)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 36

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	131	51.00	1979	70.00	138	92.00	848
37.00	1683	56.00	309	73.00	1404	93.00	1259
38.00	1216	57.00	833	74.00	5367	94.00	3584
39.00	585	60.00	113	75.00	15406	95.00	32680
44.00	360	61.00	1246	76.00	1456	96.00	2229
45.00	116	62.00	1437	79.00	778	174.00	22360
47.00	413	63.00	1002	81.00	918	175.00	1603
49.00	1377	68.00	3266	87.00	1466	176.00	21768
50.00	6052	69.00	3012	88.00	1237	177.00	1522

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70110.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	28-Apr-2017 12:41:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0054415-001				
Operator ID:		Instrument ID:	CVOAMS5		
Method:	\\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\8260W_5.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	28-Apr-2017 20:40:39	Calib Date:	20-Apr-2017 02:57:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D				
Column 1 :	Rtx-VMS (0.18 mm)		Det: MS SCAN		
Process Host:	XAWRK028				
First Level Reviewer: martineze		Date:	28-Apr-2017 12:57:43		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 139 BFB	95	2.285	2.285	0.000	82	32189	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

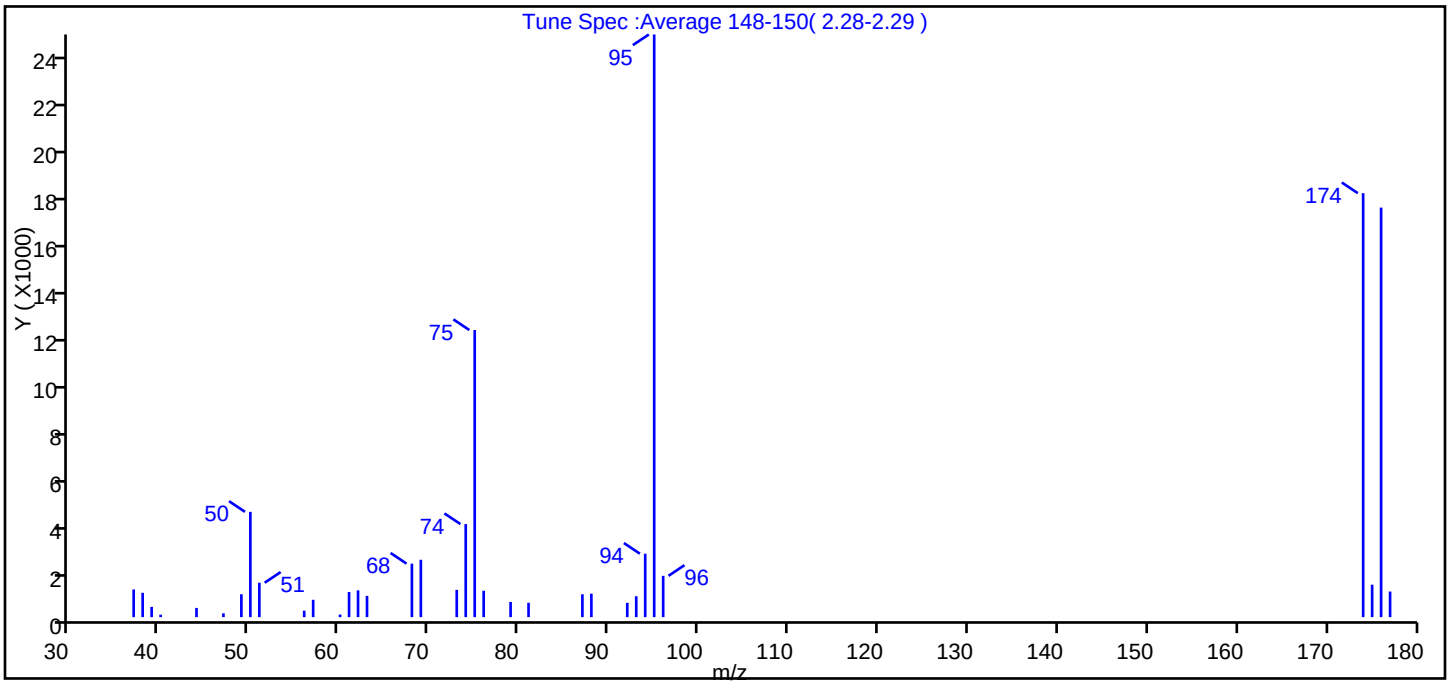
BFB_00014 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70110.D
Injection Date: 28-Apr-2017 12:41:30 Instrument ID: CVOAMS5
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_5 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 139 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.1
75	30 to 60% of m/z 95	49.3
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	72.8
175	5 to 9% of m/z 174	5.6 (7.7)
176	Greater than 95% but less than 101% of m/z 174	70.3 (96.6)
177	5 to 9% of m/z 176	4.4 (6.3)

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70110.D\8260W_5.rslt\spectra.d
Injection Date: 28-Apr-2017 12:41:30
Spectrum: Tune Spec :Average 148-150(2.28-2.29)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 34

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1152	56.00	268	74.00	3871	94.00	2639
38.00	1012	57.00	721	75.00	11940	95.00	24232
39.00	427	60.00	108	76.00	1097	96.00	1718
40.00	101	61.00	1046	79.00	632	174.00	17632
44.00	383	62.00	1114	81.00	597	175.00	1350
47.00	160	63.00	884	87.00	951	176.00	17032
49.00	952	68.00	2225	88.00	976	177.00	1065
50.00	4379	69.00	2386	92.00	595		
51.00	1431	73.00	1134	93.00	869		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131776-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-433504/7

Matrix: Water | Lab File ID: E70086.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 02:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433504 | 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	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
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.: 460-131776-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-433504/7

Matrix: Water Lab File ID: E70086.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/28/2017 02:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 433504 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		74-132
460-00-4	Bromofluorobenzene	82		77-124
1868-53-7	Dibromofluoromethane (Surr)	90		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.: 460-131776-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-433504/7

Matrix: Water Lab File ID: E70086.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/28/2017 02:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 433504 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\CVOAMS5\20170427-54375.b\E70086.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 28-Apr-2017 02:18:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0054375-007
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Apr-2017 20:12:43 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: baronm Date: 28-Apr-2017 20:12:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 29 TBA-d9 (IS)	65	1.845	1.845	0.000	98	249727	1000.0	1000.0	
$ 47 Dibromofluoromethane (Surr	113	2.742	2.743	0.000	96	81566	50.0	45.0	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	99	303664	250.0	250.0	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	96	104818	50.0	47.2	
* 61 Fluorobenzene	96	3.343	3.343	0.000	98	482598	50.0	50.0	
* 72 1,4-Dioxane-d8	96	4.182	4.183	-0.001	93	29903	1000.0	1000.0	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	99	335591	50.0	48.1	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	88	352672	50.0	50.0	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	85	96464	50.0	41.0	
* 119 1,4-Dichlorobenzene-d4	152	10.124	10.125	-0.001	97	194939	50.0	50.0	

Reagents:

8260ISNEW_00111 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00155 Amount Added: 1.00 Units: uL Run Reagent

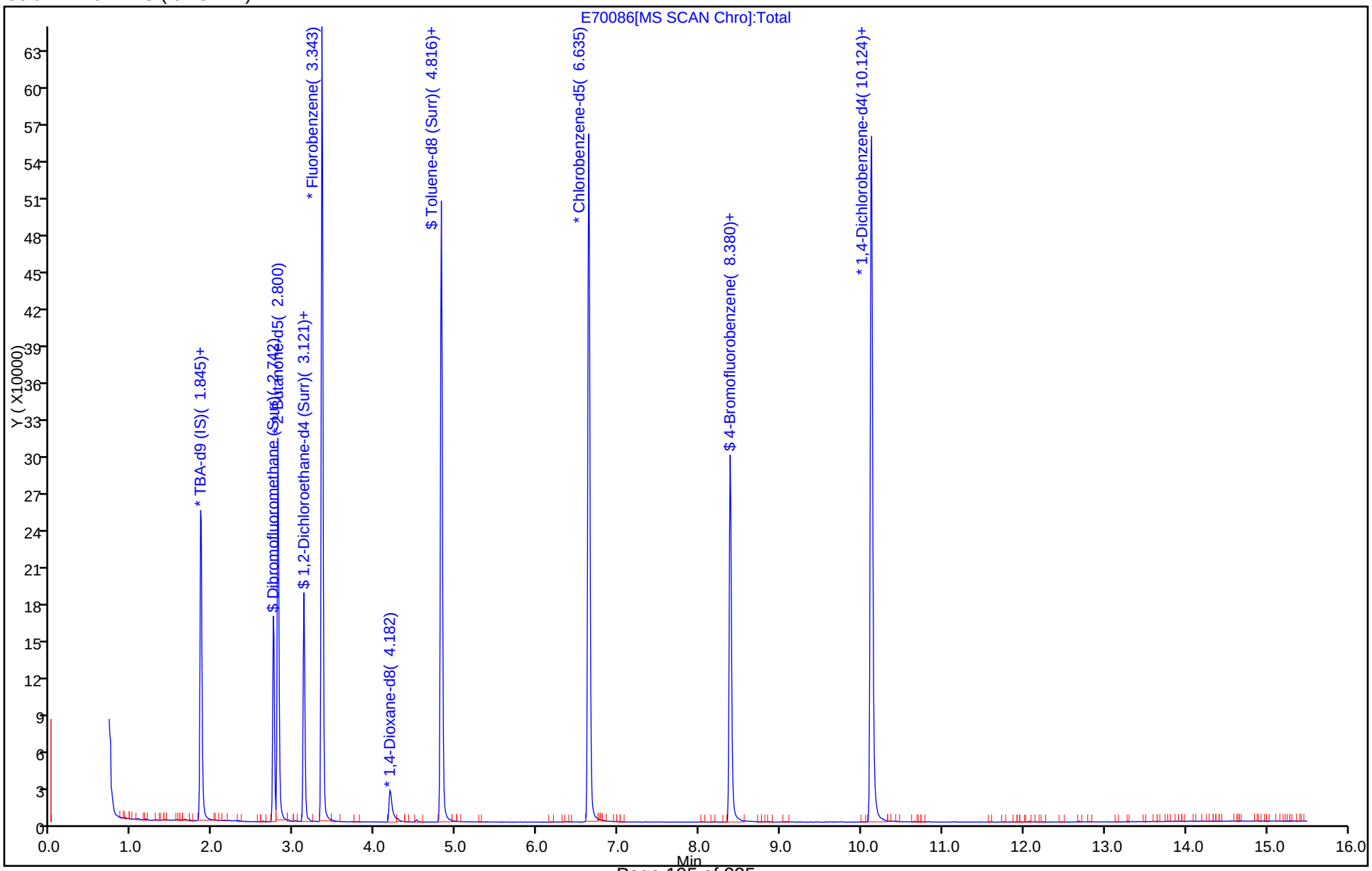
Report Date: 28-Apr-2017 20:12:44 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70086.D

Injection Date:	28-Apr-2017 02:18:30	Instrument ID:	CVOAMS5	Operator ID:	
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-VMS (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131776-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-433683/7

Matrix: Water | Lab File ID: E70116.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 15:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433683 | 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	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
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.: 460-131776-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-433683/7

Matrix: Water Lab File ID: E70116.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/28/2017 15:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 433683 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		74-132
460-00-4	Bromofluorobenzene	84		77-124
1868-53-7	Dibromofluoromethane (Surr)	88		72-131
2037-26-5	Toluene-d8 (Surr)	94		80-120

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

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-433683/7

Matrix: Water Lab File ID: E70116.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/28/2017 15:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 433683 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\CVOAMS5\20170428-54412.b\E70116.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 28-Apr-2017 15:17:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0054412-007
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Apr-2017 20:40:40 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: baronm Date: 28-Apr-2017 20:35:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 29 TBA-d9 (IS)	65	1.845	1.854	-0.009	98	223542	1000.0	1000.0	
$ 47 Dibromofluoromethane (Surr	113	2.742	2.742	0.000	96	75811	50.0	44.0	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	99	277503	250.0	250.0	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	96	95754	50.0	45.4	
* 61 Fluorobenzene	96	3.343	3.343	0.000	98	458587	50.0	50.0	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	94	27019	1000.0	1000.0	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	99	311862	50.0	47.0	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	88	335640	50.0	50.0	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	86	94491	50.0	42.2	
* 119 1,4-Dichlorobenzene-d4	152	10.124	10.124	0.000	97	188686	50.0	50.0	

Reagents:

8260ISNEW_00111 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00155 Amount Added: 1.00 Units: uL Run Reagent

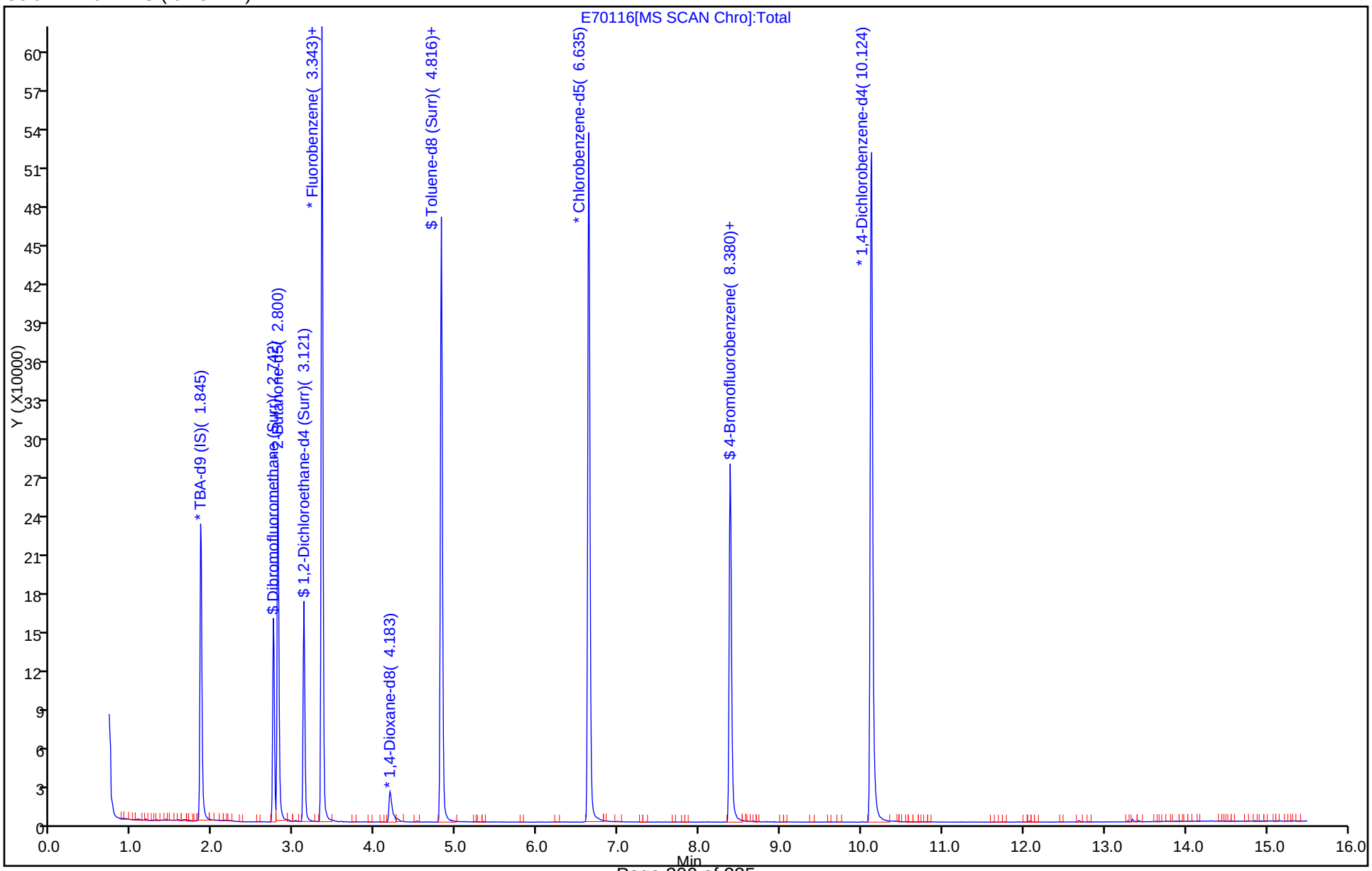
Report Date: 28-Apr-2017 20:40:46 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70116.D

Injection Date:	28-Apr-2017 15:17:30	Instrument ID:	CVOAMS5	Operator ID:	
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-VMS (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-433504/3

Matrix: Water Lab File ID: E70082.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/28/2017 00:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 433504 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	19.1		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	20.9		1.0	0.080
75-34-3	1,1-Dichloroethane	19.6		1.0	0.24
75-35-4	1,1-Dichloroethene	16.3		1.0	0.34
107-06-2	1,2-Dichloroethane	19.3		1.0	0.25
78-87-5	1,2-Dichloropropane	21.3		1.0	0.18
123-91-1	1,4-Dioxane	382		50	8.7
78-93-3	2-Butanone	76.0		5.0	2.2
591-78-6	2-Hexanone	97.1		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	94.5		5.0	0.63
67-64-1	Acetone	101		5.0	1.1
71-43-2	Benzene	21.0		1.0	0.090
75-27-4	Bromodichloromethane	19.8		1.0	0.15
75-25-2	Bromoform	17.9		1.0	0.18
74-83-9	Bromomethane	14.6		1.0	0.18
75-15-0	Carbon disulfide	17.4		1.0	0.22
56-23-5	Carbon tetrachloride	19.1		1.0	0.33
108-90-7	Chlorobenzene	19.6		1.0	0.24
75-00-3	Chloroethane	16.9		1.0	0.37
67-66-3	Chloroform	19.8		1.0	0.22
74-87-3	Chloromethane	20.6		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	18.7		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	21.7		1.0	0.16
124-48-1	Dibromochloromethane	19.5		1.0	0.22
100-41-4	Ethylbenzene	19.5		1.0	0.30
75-09-2	Methylene Chloride	18.1		1.0	0.21
100-42-5	Styrene	21.7		1.0	0.17
127-18-4	Tetrachloroethene	18.3		1.0	0.12
108-88-3	Toluene	20.2		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	16.6		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	22.0		1.0	0.19
79-01-6	Trichloroethene	18.3		1.0	0.22
75-01-4	Vinyl chloride	19.3		1.0	0.060
1330-20-7	Xylenes, Total	41.8		2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-433504/3

Matrix: Water Lab File ID: E70082.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/28/2017 00:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 433504 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		74-132
460-00-4	Bromofluorobenzene	85		77-124
1868-53-7	Dibromofluoromethane (Surr)	88		72-131
2037-26-5	Toluene-d8 (Surr)	95		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70082.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 28-Apr-2017 00:34:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0054375-003
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Apr-2017 04:42:21 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: boykink Date: 28-Apr-2017 04:42:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.784	0.784	0.000	89	8050	20.0	16.9	
2 Dichlorodifluoromethane	85	0.792	0.792	0.000	99	58336	20.0	16.6	
3 Vinyl chloride	62	0.907	0.907	0.000	98	63268	20.0	19.3	
5 Chloromethane	50	0.915	0.916	-0.001	93	89450	20.0	20.6	
4 Butadiene	54	0.915	0.916	-0.001	90	54401	20.0	19.9	
6 Bromomethane	94	1.055	1.055	0.000	98	27323	20.0	14.6	
7 Chloroethane	64	1.105	1.105	0.000	99	31336	20.0	16.9	
9 Trichlorofluoromethane	101	1.170	1.171	-0.001	59	66159	20.0	16.6	
8 Pentane	72	1.170	1.171	-0.001	96	16276	40.0	34.4	
10 Dichlorofluoromethane	67	1.195	1.195	0.000	99	79547	20.0	19.9	
11 2-Methyl-1,3-butadiene	67	1.302	1.302	0.000	96	72582	20.0	19.9	
13 Ethyl ether	59	1.310	1.311	-0.001	95	44116	20.0	19.5	
12 Ethanol	46	1.384	1.393	-0.009	99	12139	800.0	872.4	
14 1,1-Dichloroethene	96	1.401	1.401	0.000	95	38493	20.0	16.3	
15 1,2-Dichloro-1,1,2-trifluo	67	1.401	1.401	0.000	87	54758	20.0	19.3	
17 Carbon disulfide	76	1.417	1.418	-0.001	99	138991	20.0	17.4	
16 1,1,2-Trichloro-1,2,2-trif	101	1.426	1.418	0.008	96	37799	20.0	18.7	
18 Iodomethane	142	1.467	1.467	0.000	99	48147	20.0	14.0	
19 Cyclopentene	67	1.549	1.549	0.000	97	117544	20.0	19.2	
20 Acrolein	56	1.565	1.566	-0.001	93	7237	40.0	24.0	
21 3-Chloro-1-propene	76	1.631	1.631	0.000	93	27245	20.0	19.4	
22 Isopropyl alcohol	45	1.656	1.656	0.000	97	31679	200.0	229.3	
23 Methylene Chloride	84	1.689	1.689	0.000	98	49403	20.0	18.1	
24 Acetone	58	1.714	1.714	0.000	87	23282	100.0	101.3	
25 trans-1,2-Dichloroethene	96	1.771	1.771	0.000	98	43537	20.0	16.6	
26 Methyl acetate	74	1.779	1.780	-0.001	100	39679	100.0	112.1	
27 Hexane	57	1.821	1.813	0.008	92	98119	20.0	21.7	
28 Methyl tert-butyl ether	73	1.829	1.829	0.000	96	146616	20.0	18.8	
* 29 TBA-d9 (IS)	65	1.854	1.845	0.009	99	228735	1000.0	1000.0	
30 2-Methyl-2-propanol	59	1.895	1.887	0.008	100	51336	200.0	200.3	
31 Acetonitrile	41	1.961	1.961	0.000	99	74525	200.0	215.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Isopropyl ether	45	2.043	2.043	0.000	97	173757	20.0	20.9	
33 2-Chloro-1,3-butadiene	88	2.092	2.092	0.000	91	42111	20.0	18.2	
34 1,1-Dichloroethane	63	2.109	2.109	0.000	99	91184	20.0	19.6	
35 Acrylonitrile	53	2.133	2.134	-0.001	94	208975	200.0	210.7	
36 Tert-butyl ethyl ether	59	2.265	2.265	0.000	87	163458	20.0	19.9	
37 Vinyl acetate	86	2.265	2.265	0.000	100	21222	40.0	37.1	
38 cis-1,2-Dichloroethene	96	2.438	2.438	0.000	94	51309	20.0	18.7	
39 2,2-Dichloropropane	77	2.504	2.504	0.000	98	71234	20.0	19.8	
41 Chlorobromomethane	128	2.561	2.561	0.000	79	24376	20.0	18.5	
40 Cyclohexane	56	2.561	2.561	0.000	91	83408	20.0	24.8	
42 Chloroform	83	2.619	2.619	0.000	98	84758	20.0	19.8	
43 Carbon tetrachloride	117	2.709	2.710	-0.001	98	56335	20.0	19.1	
45 Ethyl acetate	70	2.718	2.718	0.000	100	12451	40.0	37.0	
44 Methyl acrylate	55	2.718	2.718	0.000	57	49604	20.0	22.0	
46 Tetrahydrofuran	42	2.726	2.726	0.000	96	44056	40.0	35.9	
$ 47 Dibromofluoromethane (Surr	113	2.742	2.743	0.000	96	79202	50.0	43.8	
48 1,1,1-Trichloroethane	97	2.751	2.751	0.000	97	69451	20.0	19.1	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	100	290494	250.0	250.0	
50 2-Butanone (MEK)	72	2.833	2.833	0.000	99	35058	100.0	76.0	
51 1,1-Dichloropropene	75	2.841	2.841	0.000	97	67370	20.0	21.0	
52 Isooctane	57	2.932	2.924	0.008	99	116394	20.0	22.2	
54 Benzene	78	3.014	3.014	0.000	97	198461	20.0	21.0	
53 n-Heptane	57	3.014	3.014	0.000	52	27058	20.0	22.6	
55 Propionitrile	54	3.039	3.039	0.000	99	76214	200.0	216.2	
56 Methacrylonitrile	67	3.055	3.055	0.000	92	234693	200.0	212.1	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	98	97173	50.0	43.8	
58 Tert-amyl methyl ether	73	3.129	3.129	0.000	99	147211	20.0	20.2	
59 1,2-Dichloroethane	62	3.170	3.170	0.000	97	69099	20.0	19.3	
60 Isobutyl alcohol	43	3.244	3.245	0.000	97	52169	500.0	554.3	
63 t-Amyl alcohol	59	3.310	3.310	0.000	96	35331	200.0	180.2	
* 61 Fluorobenzene	96	3.343	3.343	0.000	98	482149	50.0	50.0	
62 Isopropyl acetate	43	3.417	3.417	0.000	99	96012	20.0	21.7	
64 Methylcyclohexane	83	3.467	3.467	0.000	96	73704	20.0	22.9	
65 Trichloroethene	95	3.491	3.491	0.000	98	47266	20.0	18.3	
66 2-ethoxy-2-methyl butane	59	3.722	3.730	-0.008	98	126900	20.0	20.9	
67 Dibromomethane	93	3.837	3.837	0.000	95	31553	20.0	19.5	
68 n-Butanol	56	3.853	3.854	-0.001	90	32548	500.0	478.8	
69 1,2-Dichloropropane	63	3.927	3.928	-0.001	91	53276	20.0	21.3	
71 Ethyl acrylate	55	4.010	4.010	0.000	91	68444	20.0	23.1	
70 Dichlorobromomethane	83	4.010	4.010	0.000	98	61487	20.0	19.8	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	93	28911	1000.0	1000.0	
73 Methyl methacrylate	100	4.199	4.199	0.000	92	28916	40.0	39.9	
74 1,4-Dioxane	88	4.207	4.207	0.000	97	13646	400.0	381.6	
75 n-Propyl acetate	43	4.347	4.347	0.000	99	74725	20.0	24.0	
76 2-Chloroethyl vinyl ether	63	4.602	4.602	0.000	97	38151	20.0	22.4	
77 cis-1,3-Dichloropropene	75	4.627	4.627	0.000	94	81058	20.0	21.7	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	99	331215	50.0	47.5	
79 Toluene	91	4.866	4.866	0.000	93	209949	20.0	20.2	
80 Epichlorohydrin	57	4.899	4.899	0.000	99	115086	400.0	414.7	
81 2-Nitropropane	41	5.112	5.113	-0.001	98	21512	40.0	34.5	
82 Tetrachloroethene	166	5.285	5.285	0.000	95	45966	20.0	18.3	
83 4-Methyl-2-pentanone (MIBK	43	5.326	5.327	-0.001	97	265324	100.0	94.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 trans-1,3-Dichloropropene	75	5.359	5.360	-0.001	95	74761	20.0	22.0	
85 1,1,2-Trichloroethane	83	5.524	5.524	0.000	94	37856	20.0	20.9	
86 Ethyl methacrylate	69	5.615	5.615	-0.001	90	66130	20.0	22.6	
87 Chlorodibromomethane	129	5.721	5.722	-0.001	98	46377	20.0	19.5	
88 1,3-Dichloropropane	76	5.828	5.829	-0.001	94	84745	20.0	22.2	
89 Ethylene Dibromide	107	5.952	5.952	0.000	98	45599	20.0	20.5	
90 n-Butyl acetate	43	6.314	6.314	0.000	99	78357	20.0	23.8	
91 2-Hexanone	43	6.363	6.364	-0.001	96	188023	100.0	97.1	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	88	352801	50.0	50.0	
93 Chlorobenzene	112	6.651	6.652	-0.001	93	134747	20.0	19.6	
94 Ethylbenzene	106	6.742	6.742	0.000	98	71796	20.0	19.5	
95 1,1,1,2-Tetrachloroethane	131	6.767	6.767	0.000	94	43710	20.0	19.1	
96 m-Xylene & p-Xylene	106	6.956	6.956	0.000	97	90790	20.0	21.1	
97 o-Xylene	106	7.532	7.532	0.000	93	87911	20.0	20.7	
98 Bromoform	173	7.590	7.590	0.000	94	27486	20.0	17.9	
99 Styrene	104	7.623	7.614	0.009	95	149166	20.0	21.7	
100 n-Butyl acrylate	73	7.952	7.952	0.000	99	38681	20.0	23.6	
101 Isopropylbenzene	105	8.018	8.018	0.000	96	232372	20.0	21.3	
102 Amyl acetate (mixed isomer	43	8.363	8.363	0.000	91	92186	20.0	23.2	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	86	100022	50.0	42.5	
104 Bromobenzene	156	8.478	8.479	-0.001	96	56404	20.0	18.8	
105 N-Propylbenzene	91	8.643	8.643	0.000	99	274339	20.0	21.6	
106 1,1,2,2-Tetrachloroethane	83	8.791	8.791	0.000	98	62140	20.0	21.6	
107 2-Chlorotoluene	91	8.808	8.808	0.000	96	192758	20.0	21.5	
108 4-Ethyltoluene	105	8.832	8.832	0.000	98	235651	20.0	21.2	
109 1,2,3-Trichloropropane	110	8.915	8.915	0.000	99	18599	20.0	20.1	
110 1,3,5-Trimethylbenzene	105	8.989	8.989	0.000	93	194038	20.0	21.1	
111 trans-1,4-Dichloro-2-buten	53	9.046	9.046	0.000	85	18814	20.0	23.4	
112 4-Chlorotoluene	91	9.071	9.071	0.000	98	179959	20.0	21.7	
113 tert-Butylbenzene	119	9.450	9.450	0.000	94	159876	20.0	20.7	
114 1,2,4-Trimethylbenzene	105	9.581	9.573	0.008	97	192558	20.0	20.9	
115 Butyl Methacrylate	87	9.589	9.590	-0.001	93	68956	20.0	21.6	
116 sec-Butylbenzene	105	9.738	9.738	0.000	99	234513	20.0	20.8	
117 1,3-Dichlorobenzene	146	9.984	9.985	-0.001	94	107070	20.0	19.2	
118 4-Isopropyltoluene	119	10.017	10.018	-0.001	98	195818	20.0	20.2	
* 119 1,4-Dichlorobenzene-d4	152	10.124	10.125	-0.001	96	199842	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.141	10.141	0.000	94	112697	20.0	19.0	
121 1,2,3-Trimethylbenzene	105	10.256	10.256	0.000	0	198774	20.0	20.6	
122 2,3-Dihydroindene	117	10.421	10.421	0.000	94	206608	20.0	20.3	
123 Benzyl chloride	126	10.593	10.594	-0.001	98	20473	20.0	19.8	
124 p-Diethylbenzene	119	10.626	10.627	-0.001	92	104410	20.0	19.5	
125 n-Butylbenzene	92	10.709	10.709	0.000	98	86466	20.0	19.9	
126 1,2-Dichlorobenzene	146	10.807	10.808	-0.001	95	105729	20.0	19.4	
127 1,2,4,5-Tetramethylbenzene	119	11.754	11.754	0.000	97	157529	20.0	23.9	
128 1,2-Dibromo-3-Chloropropan	157	11.869	11.869	0.000	96	11907	20.0	19.2	
129 1,3,5-Trichlorobenzene	180	11.910	11.910	0.000	97	66905	20.0	18.0	
130 1,2,4-Trichlorobenzene	180	12.445	12.445	0.000	94	62740	20.0	18.8	
131 Hexachlorobutadiene	225	12.462	12.462	0.000	89	21061	20.0	17.2	
132 Naphthalene	128	12.667	12.668	-0.001	99	158089	20.0	22.5	
133 1,2,3-Trichlorobenzene	180	12.791	12.791	0.000	95	58979	20.0	19.2	
S 134 1,2-Dichloroethene, Total	100				0		40.0	35.3	
S 135 1,3-Dichloropropene, Total	100				0		40.0	43.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 Xylenes, Total	100				0		40.0	41.8	
S 137 Total BTEX	1				0		100.0	102.5	

Reagents:

8260MIX1COMB_00055	Amount Added:	20.00	Units: uL	
ACROLEIN W_00063	Amount Added:	4.00	Units: uL	
GASES Li_00204	Amount Added:	20.00	Units: uL	
8260ISNEW_00111	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00155	Amount Added:	1.00	Units: uL	Run Reagent

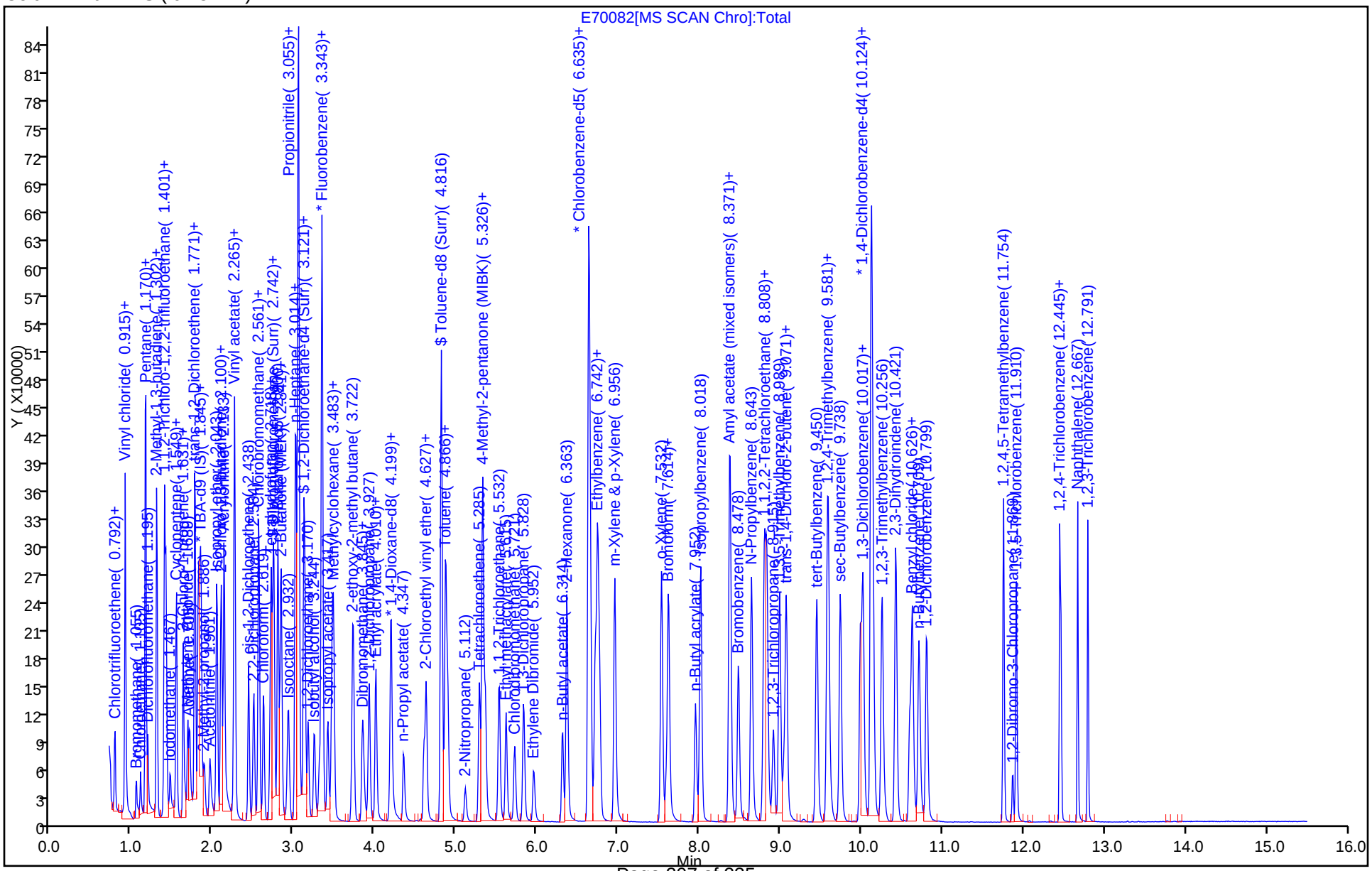
Report Date: 28-Apr-2017 04:42:21 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70082.D

Injection Date:	28-Apr-2017 00:34:30	Instrument ID:	CVOAMS5	Operator ID:	
Lims ID:	LCS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260W_5	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-VMS (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131776-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-433683/3

Matrix: Water | Lab File ID: E70112.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 13:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433683 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	19.0		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	20.7		1.0	0.19
79-00-5	1,1,2-Trichloroethane	20.9		1.0	0.080
75-34-3	1,1-Dichloroethane	19.1		1.0	0.24
75-35-4	1,1-Dichloroethene	15.9		1.0	0.34
107-06-2	1,2-Dichloroethane	18.7		1.0	0.25
78-87-5	1,2-Dichloropropane	20.9		1.0	0.18
123-91-1	1,4-Dioxane	361		50	8.7
78-93-3	2-Butanone	76.3		5.0	2.2
591-78-6	2-Hexanone	95.0		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	91.8		5.0	0.63
67-64-1	Acetone	94.9		5.0	1.1
71-43-2	Benzene	20.7		1.0	0.090
75-27-4	Bromodichloromethane	19.3		1.0	0.15
75-25-2	Bromoform	17.5		1.0	0.18
74-83-9	Bromomethane	9.40		1.0	0.18
75-15-0	Carbon disulfide	17.4		1.0	0.22
56-23-5	Carbon tetrachloride	19.0		1.0	0.33
108-90-7	Chlorobenzene	19.4		1.0	0.24
75-00-3	Chloroethane	14.2		1.0	0.37
67-66-3	Chloroform	19.1		1.0	0.22
74-87-3	Chloromethane	20.2		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	18.3		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	21.2		1.0	0.16
124-48-1	Dibromochloromethane	18.9		1.0	0.22
100-41-4	Ethylbenzene	19.3		1.0	0.30
75-09-2	Methylene Chloride	17.7		1.0	0.21
100-42-5	Styrene	21.4		1.0	0.17
127-18-4	Tetrachloroethene	18.2		1.0	0.12
108-88-3	Toluene	19.7		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	16.3		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	21.3		1.0	0.19
79-01-6	Trichloroethene	17.8		1.0	0.22
75-01-4	Vinyl chloride	19.4		1.0	0.060
1330-20-7	Xylenes, Total	40.5		2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-433683/3

Matrix: Water Lab File ID: E70112.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/28/2017 13:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 433683 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		74-132
460-00-4	Bromofluorobenzene	83		77-124
1868-53-7	Dibromofluoromethane (Surr)	85		72-131
2037-26-5	Toluene-d8 (Surr)	92		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70112.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 28-Apr-2017 13:33:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0054412-003
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Apr-2017 20:40:40 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK028

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.784	0.784	0.000	89	6048	20.0	12.7	
2 Dichlorodifluoromethane	85	0.792	0.792	0.000	99	54715	20.0	15.6	
3 Vinyl chloride	62	0.907	0.907	0.000	98	63700	20.0	19.4	
5 Chloromethane	50	0.915	0.915	0.000	74	87636	20.0	20.2	
4 Butadiene	54	0.915	0.915	0.000	91	55665	20.0	20.3	
6 Bromomethane	94	1.047	1.047	0.000	98	17547	20.0	9.40	
7 Chloroethane	64	1.105	1.105	0.000	99	26459	20.0	14.2	
9 Trichlorofluoromethane	101	1.162	1.162	0.000	59	66528	20.0	16.6	
8 Pentane	72	1.162	1.162	0.000	96	14918	40.0	31.5	
10 Dichlorofluoromethane	67	1.195	1.195	0.000	98	84836	20.0	21.2	
11 2-Methyl-1,3-butadiene	67	1.302	1.302	0.000	97	73888	20.0	20.2	
13 Ethyl ether	59	1.310	1.310	0.000	94	43084	20.0	19.0	
12 Ethanol	46	1.393	1.393	0.000	36	12726	800.0	884.6	
14 1,1-Dichloroethene	96	1.401	1.401	0.000	95	37397	20.0	15.9	
15 1,2-Dichloro-1,1,2-trifluo	67	1.401	1.401	0.000	84	53969	20.0	19.0	
17 Carbon disulfide	76	1.417	1.417	0.000	100	138754	20.0	17.4	
16 1,1,2-Trichloro-1,2,2-trif	101	1.417	1.417	0.000	95	39072	20.0	19.3	
18 Iodomethane	142	1.467	1.467	0.000	99	29099	20.0	8.44	
19 Cyclopentene	67	1.541	1.541	0.000	97	117202	20.0	19.1	
20 Acrolein	56	1.557	1.566	-0.009	94	4635	40.0	14.8	
21 3-Chloro-1-propene	76	1.631	1.631	0.000	92	25881	20.0	18.4	
22 Isopropyl alcohol	45	1.656	1.656	0.000	98	31984	200.0	223.8	
23 Methylene Chloride	84	1.689	1.689	0.000	98	48141	20.0	17.7	
24 Acetone	58	1.714	1.714	0.000	86	22245	100.0	94.9	
25 trans-1,2-Dichloroethene	96	1.771	1.771	0.000	97	42823	20.0	16.3	
26 Methyl acetate	74	1.779	1.780	-0.001	100	38313	100.0	104.7	
27 Hexane	57	1.812	1.812	0.000	90	99213	20.0	21.9	
28 Methyl tert-butyl ether	73	1.829	1.829	0.000	95	145094	20.0	18.6	
* 29 TBA-d9 (IS)	65	1.854	1.854	0.000	99	236478	1000.0	1000.0	
30 2-Methyl-2-propanol	59	1.895	1.895	0.000	99	51950	200.0	195.9	
31 Acetonitrile	41	1.961	1.961	0.000	98	71335	200.0	199.1	
32 Isopropyl ether	45	2.043	2.043	0.000	97	172699	20.0	20.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 2-Chloro-1,3-butadiene	88	2.092	2.092	0.000	92	40143	20.0	17.4	
34 1,1-Dichloroethane	63	2.109	2.109	0.000	99	88784	20.0	19.1	
35 Acrylonitrile	53	2.133	2.133	0.000	94	186999	200.0	188.5	
36 Tert-butyl ethyl ether	59	2.265	2.265	0.000	88	161344	20.0	19.6	
37 Vinyl acetate	86	2.265	2.265	0.000	100	21602	40.0	37.7	
38 cis-1,2-Dichloroethene	96	2.438	2.438	0.000	94	50410	20.0	18.3	
39 2,2-Dichloropropane	77	2.504	2.504	0.000	97	70174	20.0	19.5	
41 Chlorobromomethane	128	2.561	2.561	0.000	78	23610	20.0	17.9	
40 Cyclohexane	56	2.561	2.561	0.000	91	83089	20.0	24.7	
42 Chloroform	83	2.619	2.619	0.000	99	81731	20.0	19.1	
43 Carbon tetrachloride	117	2.701	2.701	0.000	98	56167	20.0	19.0	
45 Ethyl acetate	70	2.718	2.718	0.000	99	12192	40.0	35.5	
44 Methyl acrylate	55	2.718	2.718	0.000	56	49265	20.0	21.8	
46 Tetrahydrofuran	42	2.726	2.726	0.000	95	42840	40.0	34.3	
$ 47 Dibromofluoromethane (Surr	113	2.742	2.742	0.000	96	77151	50.0	42.6	
48 1,1,1-Trichloroethane	97	2.751	2.751	0.000	98	69071	20.0	19.0	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	99	295862	250.0	250.0	
50 2-Butanone (MEK)	72	2.833	2.833	0.000	99	35850	100.0	76.3	
51 1,1-Dichloropropene	75	2.841	2.841	0.000	96	67207	20.0	20.9	
52 Isooctane	57	2.923	2.923	0.000	99	119311	20.0	22.8	
54 Benzene	78	3.014	3.014	0.000	97	195258	20.0	20.7	
53 n-Heptane	57	3.014	3.014	0.000	53	28617	20.0	23.9	
55 Propionitrile	54	3.039	3.039	0.000	98	72078	200.0	197.8	
56 Methacrylonitrile	67	3.055	3.055	0.000	92	229225	200.0	207.1	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	98	95406	50.0	43.0	
58 Tert-amyl methyl ether	73	3.129	3.129	0.000	98	142002	20.0	19.5	
59 1,2-Dichloroethane	62	3.170	3.170	0.000	97	66944	20.0	18.7	
60 Isobutyl alcohol	43	3.253	3.253	0.000	97	53655	500.0	551.4	
63 t-Amyl alcohol	59	3.318	3.318	0.000	95	35062	200.0	178.7	
* 61 Fluorobenzene	96	3.343	3.343	0.000	98	482320	50.0	50.0	
62 Isopropyl acetate	43	3.417	3.417	0.000	99	94157	20.0	21.3	
64 Methylcyclohexane	83	3.467	3.467	0.000	96	75030	20.0	23.3	
65 Trichloroethene	95	3.483	3.491	-0.008	98	45912	20.0	17.8	
66 2-ethoxy-2-methyl butane	59	3.730	3.722	0.008	97	122742	20.0	20.2	
67 Dibromomethane	93	3.837	3.837	0.000	96	30268	20.0	18.7	
68 n-Butanol	56	3.862	3.853	0.009	88	30838	500.0	438.8	
69 1,2-Dichloropropane	63	3.927	3.927	0.000	91	52463	20.0	20.9	
71 Ethyl acrylate	55	4.010	4.002	0.008	92	66414	20.0	22.4	
70 Dichlorobromomethane	83	4.010	4.010	0.000	98	59991	20.0	19.3	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	94	29426	1000.0	1000.0	
73 Methyl methacrylate	100	4.199	4.199	0.000	91	28315	40.0	39.1	
74 1,4-Dioxane	88	4.207	4.207	0.000	36	13152	400.0	361.3	
75 n-Propyl acetate	43	4.347	4.347	0.000	98	73508	20.0	23.6	
76 2-Chloroethyl vinyl ether	63	4.602	4.602	0.000	97	37355	20.0	21.9	
77 cis-1,3-Dichloropropene	75	4.627	4.627	0.000	94	78963	20.0	21.2	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	99	319339	50.0	45.9	
79 Toluene	91	4.866	4.866	0.000	93	204673	20.0	19.7	
80 Epichlorohydrin	57	4.899	4.899	0.000	99	112852	400.0	399.3	
81 2-Nitropropane	41	5.113	5.113	-0.001	97	20526	40.0	32.9	
82 Tetrachloroethene	166	5.285	5.285	0.000	95	45376	20.0	18.2	
83 4-Methyl-2-pentanone (MIBK	43	5.326	5.327	0.000	96	262506	100.0	91.8	
84 trans-1,3-Dichloropropene	75	5.359	5.359	0.000	97	72356	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
85 1,1,2-Trichloroethane	83	5.524	5.524	0.000	95	37872	20.0	20.9	
86 Ethyl methacrylate	69	5.615	5.615	-0.001	89	65226	20.0	22.3	
87 Chlorodibromomethane	129	5.722	5.722	0.000	98	44822	20.0	18.9	
88 1,3-Dichloropropane	76	5.828	5.829	-0.001	94	82010	20.0	21.5	
89 Ethylene Dibromide	107	5.952	5.952	0.000	99	43848	20.0	19.8	
90 n-Butyl acetate	43	6.314	6.314	0.000	99	76417	20.0	23.3	
91 2-Hexanone	43	6.363	6.363	0.000	96	187241	100.0	95.0	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	89	351769	50.0	50.0	
93 Chlorobenzene	112	6.651	6.651	0.000	96	132682	20.0	19.4	
94 Ethylbenzene	106	6.742	6.742	0.000	99	70855	20.0	19.3	
95 1,1,1,2-Tetrachloroethane	131	6.767	6.767	0.000	93	42234	20.0	18.5	
96 m-Xylene & p-Xylene	106	6.956	6.956	0.000	98	87927	20.0	20.5	
97 o-Xylene	106	7.532	7.532	0.000	93	84814	20.0	20.0	
98 Bromoform	173	7.598	7.590	0.008	94	26716	20.0	17.5	
99 Styrene	104	7.623	7.623	0.000	95	146816	20.0	21.4	
100 n-Butyl acrylate	73	7.952	7.952	0.000	98	37397	20.0	22.9	
101 Isopropylbenzene	105	8.018	8.018	0.000	96	227435	20.0	20.9	
102 Amyl acetate (mixed isomer	43	8.363	8.363	0.000	91	92895	20.0	23.3	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	85	97323	50.0	41.5	
104 Bromobenzene	156	8.478	8.478	0.000	96	55233	20.0	18.3	
105 N-Propylbenzene	91	8.643	8.643	0.000	99	272094	20.0	21.4	
106 1,1,2,2-Tetrachloroethane	83	8.791	8.791	0.000	97	59860	20.0	20.7	
107 2-Chlorotoluene	91	8.808	8.808	0.000	96	188468	20.0	20.9	
108 4-Ethyltoluene	105	8.832	8.832	0.000	98	231070	20.0	20.7	
109 1,2,3-Trichloropropane	110	8.915	8.915	0.000	98	18044	20.0	19.5	
110 1,3,5-Trimethylbenzene	105	8.989	8.989	0.000	93	191813	20.0	20.7	
111 trans-1,4-Dichloro-2-buten	53	9.046	9.046	0.000	85	15710	20.0	19.5	
112 4-Chlorotoluene	91	9.071	9.071	0.000	98	173744	20.0	20.8	
113 tert-Butylbenzene	119	9.450	9.450	0.000	93	156015	20.0	20.1	
114 1,2,4-Trimethylbenzene	105	9.581	9.581	0.000	97	188733	20.0	20.4	
115 Butyl Methacrylate	87	9.589	9.589	0.000	93	67768	20.0	21.2	
116 sec-Butylbenzene	105	9.738	9.738	0.000	99	230341	20.0	20.4	
117 1,3-Dichlorobenzene	146	9.984	9.985	-0.001	95	106807	20.0	19.1	
118 4-Isopropyltoluene	119	10.017	10.017	0.000	98	192631	20.0	19.8	
* 119 1,4-Dichlorobenzene-d4	152	10.124	10.124	0.000	96	200579	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.141	10.141	0.000	93	110044	20.0	18.5	
121 1,2,3-Trimethylbenzene	105	10.256	10.256	0.000	0	198436	20.0	20.5	
122 2,3-Dihydroindene	117	10.421	10.421	0.000	95	204761	20.0	20.0	
123 Benzyl chloride	126	10.593	10.594	-0.001	99	20479	20.0	19.8	
124 p-Diethylbenzene	119	10.626	10.626	0.000	93	102732	20.0	19.1	
125 n-Butylbenzene	92	10.709	10.709	0.000	98	87674	20.0	20.1	
126 1,2-Dichlorobenzene	146	10.807	10.799	0.008	94	104005	20.0	19.0	
127 1,2,4,5-Tetramethylbenzene	119	11.754	11.754	0.000	97	161371	20.0	24.4	
128 1,2-Dibromo-3-Chloropropan	157	11.869	11.869	0.000	96	11950	20.0	19.2	
129 1,3,5-Trichlorobenzene	180	11.910	11.910	0.000	97	67494	20.0	18.1	
130 1,2,4-Trichlorobenzene	180	12.445	12.445	0.000	94	63757	20.0	19.1	
131 Hexachlorobutadiene	225	12.462	12.462	0.000	89	20671	20.0	16.8	
132 Naphthalene	128	12.667	12.667	0.000	99	160358	20.0	22.8	
133 1,2,3-Trichlorobenzene	180	12.791	12.791	0.000	95	59930	20.0	19.4	
S 134 1,2-Dichloroethene, Total	100				0		40.0	34.7	
S 135 1,3-Dichloropropene, Total	100				0		40.0	42.5	
S 136 Xylenes, Total	100				0		40.0	40.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Total BTEX	1				0		100.0	100.3	

Reagents:

8260MIX1COMB_00055	Amount Added:	20.00	Units: uL	
ACROLEIN W_00063	Amount Added:	4.00	Units: uL	
GASES Li_00204	Amount Added:	20.00	Units: uL	
8260ISNEW_00111	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00155	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 28-Apr-2017 20:40:43 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70112.D

Injection Date: 28-Apr-2017 13:33:30 Instrument ID: CVOAMS5 Operator ID:

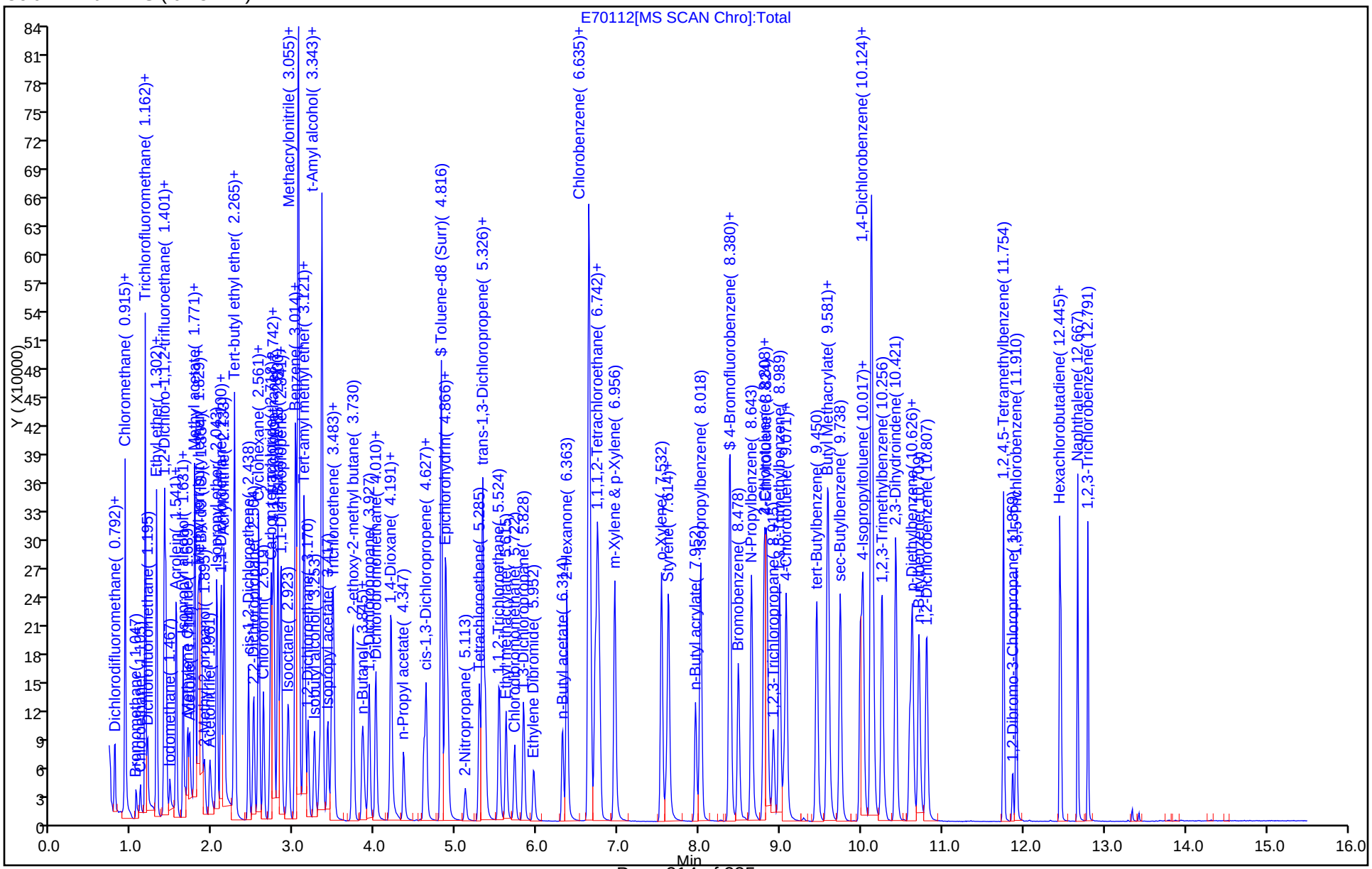
Lims ID: LCS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260W_5 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-VMS (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131776-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-433504/4

Matrix: Water | Lab File ID: E70083.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 01:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433504 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	22.0		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	23.9		1.0	0.19
79-00-5	1,1,2-Trichloroethane	23.7		1.0	0.080
75-34-3	1,1-Dichloroethane	22.4		1.0	0.24
75-35-4	1,1-Dichloroethene	19.0		1.0	0.34
107-06-2	1,2-Dichloroethane	21.6		1.0	0.25
78-87-5	1,2-Dichloropropane	23.9		1.0	0.18
123-91-1	1,4-Dioxane	423		50	8.7
78-93-3	2-Butanone	87.0		5.0	2.2
591-78-6	2-Hexanone	108		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	103		5.0	0.63
67-64-1	Acetone	107		5.0	1.1
71-43-2	Benzene	23.8		1.0	0.090
75-27-4	Bromodichloromethane	22.3		1.0	0.15
75-25-2	Bromoform	20.1		1.0	0.18
74-83-9	Bromomethane	17.2		1.0	0.18
75-15-0	Carbon disulfide	20.5		1.0	0.22
56-23-5	Carbon tetrachloride	22.4		1.0	0.33
108-90-7	Chlorobenzene	21.9		1.0	0.24
75-00-3	Chloroethane	19.8		1.0	0.37
67-66-3	Chloroform	22.6		1.0	0.22
74-87-3	Chloromethane	23.4		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	21.3		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	24.5		1.0	0.16
124-48-1	Dibromochloromethane	21.5		1.0	0.22
100-41-4	Ethylbenzene	22.5		1.0	0.30
75-09-2	Methylene Chloride	20.4		1.0	0.21
100-42-5	Styrene	24.3		1.0	0.17
127-18-4	Tetrachloroethene	20.6		1.0	0.12
108-88-3	Toluene	22.7		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	19.0		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	24.8		1.0	0.19
79-01-6	Trichloroethene	20.8		1.0	0.22
75-01-4	Vinyl chloride	22.6		1.0	0.060
1330-20-7	Xylenes, Total	47.3		2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-433504/4

Matrix: Water Lab File ID: E70083.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/28/2017 01:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 433504 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		74-132
460-00-4	Bromofluorobenzene	93		77-124
1868-53-7	Dibromofluoromethane (Surr)	99		72-131
2037-26-5	Toluene-d8 (Surr)	105		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70083.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 28-Apr-2017 01:00:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0054375-004
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Apr-2017 13:13:12 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: martineze Date: 28-Apr-2017 13:33:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.784	0.784	0.000	89	8393	20.0	19.4	
2 Dichlorodifluoromethane	85	0.792	0.792	0.000	98	64255	20.0	20.1	
3 Vinyl chloride	62	0.907	0.907	0.000	98	67786	20.0	22.6	
5 Chloromethane	50	0.915	0.916	-0.001	99	92666	20.0	23.4	
4 Butadiene	54	0.915	0.916	-0.001	93	59270	20.0	23.8	
6 Bromomethane	94	1.055	1.055	0.000	98	29301	20.0	17.2	
7 Chloroethane	64	1.105	1.105	0.000	100	33523	20.0	19.8	
9 Trichlorofluoromethane	101	1.171	1.171	0.000	59	70019	20.0	19.2	
8 Pentane	72	1.171	1.171	0.000	98	17571	40.0	40.7	
10 Dichlorofluoromethane	67	1.195	1.195	0.000	99	83654	20.0	23.0	
11 2-Methyl-1,3-butadiene	67	1.302	1.302	0.000	96	79635	20.0	24.0	
13 Ethyl ether	59	1.310	1.311	-0.001	93	45622	20.0	22.1	
12 Ethanol	46	1.393	1.393	0.000	100	13508	800.0	986.5	
14 1,1-Dichloroethene	96	1.401	1.401	0.000	96	40792	20.0	19.0	
15 1,2-Dichloro-1,1,2-trifluo	67	1.401	1.401	0.000	87	58503	20.0	22.6	
17 Carbon disulfide	76	1.417	1.418	-0.001	99	148799	20.0	20.5	
16 1,1,2-Trichloro-1,2,2-trif	101	1.426	1.418	0.008	95	41987	20.0	22.8	
18 Iodomethane	142	1.467	1.467	0.000	99	49253	20.0	15.7	
19 Cyclopentene	67	1.549	1.549	0.000	97	125753	20.0	22.5	
20 Acrolein	56	1.566	1.566	0.000	91	8123	40.0	27.3	
21 3-Chloro-1-propene	76	1.631	1.631	0.000	93	28312	20.0	22.1	
22 Isopropyl alcohol	45	1.656	1.656	0.000	98	34235	200.0	252.4	
23 Methylene Chloride	84	1.689	1.689	0.000	98	50676	20.0	20.4	
24 Acetone	58	1.714	1.714	0.000	87	23501	100.0	107.5	
25 trans-1,2-Dichloroethene	96	1.771	1.771	0.000	98	45515	20.0	19.0	
26 Methyl acetate	74	1.780	1.780	0.000	100	39932	100.0	114.6	
27 Hexane	57	1.821	1.813	0.008	92	104856	20.0	25.5	
28 Methyl tert-butyl ether	73	1.829	1.829	0.000	90	152226	20.0	21.4	
* 29 TBA-d9 (IS)	65	1.854	1.845	0.009	99	225105	1000.0	1000.0	
30 2-Methyl-2-propanol	59	1.895	1.887	0.008	99	56105	200.0	223.0	
31 Acetonitrile	41	1.961	1.961	0.000	100	76222	200.0	223.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Isopropyl ether	45	2.043	2.043	0.000	97	178787	20.0	23.6	
33 2-Chloro-1,3-butadiene	88	2.092	2.092	0.000	92	43793	20.0	20.8	
34 1,1-Dichloroethane	63	2.109	2.109	0.000	99	94689	20.0	22.4	
35 Acrylonitrile	53	2.133	2.134	-0.001	94	219819	200.0	243.2	
36 Tert-butyl ethyl ether	59	2.265	2.265	0.000	88	167224	20.0	22.3	
37 Vinyl acetate	86	2.265	2.265	0.000	100	21538	40.0	41.3	
38 cis-1,2-Dichloroethene	96	2.438	2.438	0.000	95	53312	20.0	21.3	
39 2,2-Dichloropropane	77	2.504	2.504	0.000	98	75238	20.0	23.0	
41 Chlorobromomethane	128	2.561	2.561	0.000	77	24784	20.0	20.6	
40 Cyclohexane	56	2.561	2.561	0.000	91	90285	20.0	29.4	
42 Chloroform	83	2.619	2.619	0.000	99	87802	20.0	22.6	
43 Carbon tetrachloride	117	2.710	2.710	0.000	97	60240	20.0	22.4	
45 Ethyl acetate	70	2.718	2.718	0.000	99	12852	40.0	40.0	
44 Methyl acrylate	55	2.718	2.718	0.000	88	52064	20.0	25.3	
46 Tetrahydrofuran	42	2.726	2.726	0.000	96	45870	40.0	39.3	
$ 47 Dibromofluoromethane (Surr	113	2.742	2.743	0.000	96	81485	50.0	49.4	
48 1,1,1-Trichloroethane	97	2.751	2.751	0.000	97	72904	20.0	22.0	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	99	276726	250.0	250.0	
50 2-Butanone (MEK)	72	2.833	2.833	0.000	100	38247	100.0	87.0	
51 1,1-Dichloropropene	75	2.841	2.841	0.000	97	72116	20.0	24.7	
52 Isooctane	57	2.924	2.924	0.000	99	124758	20.0	26.1	
54 Benzene	78	3.014	3.014	0.000	96	205296	20.0	23.8	
53 n-Heptane	57	3.014	3.014	0.000	62	29781	20.0	27.3	
55 Propionitrile	54	3.039	3.039	0.000	99	81486	200.0	234.9	
56 Methacrylonitrile	67	3.055	3.055	0.000	92	242552	200.0	240.5	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	97	99828	50.0	49.4	
58 Tert-amyl methyl ether	73	3.129	3.129	0.000	99	150490	20.0	22.7	
59 1,2-Dichloroethane	62	3.170	3.170	0.000	97	70606	20.0	21.6	
60 Isobutyl alcohol	43	3.253	3.245	0.009	97	56145	500.0	606.2	
63 t-Amyl alcohol	59	3.319	3.310	0.009	97	39454	200.0	220.8	
* 61 Fluorobenzene	96	3.343	3.343	0.000	98	439448	50.0	50.0	
62 Isopropyl acetate	43	3.417	3.417	0.000	99	100699	20.0	25.0	
64 Methylcyclohexane	83	3.467	3.467	0.000	96	79181	20.0	27.0	
65 Trichloroethene	95	3.491	3.491	0.000	98	48987	20.0	20.8	
66 2-ethoxy-2-methyl butane	59	3.730	3.730	0.000	98	130020	20.0	23.4	
67 Dibromomethane	93	3.837	3.837	0.000	96	32197	20.0	21.8	
68 n-Butanol	56	3.853	3.854	-0.001	89	33900	500.0	506.7	
69 1,2-Dichloropropane	63	3.928	3.928	0.000	90	54570	20.0	23.9	
71 Ethyl acrylate	55	4.010	4.010	0.000	92	69880	20.0	25.9	
70 Dichlorobromomethane	83	4.010	4.010	0.000	98	63314	20.0	22.3	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	97	27687	1000.0	1000.0	
73 Methyl methacrylate	100	4.199	4.199	0.000	91	30455	40.0	46.1	
74 1,4-Dioxane	88	4.207	4.207	0.000	94	14502	400.0	423.4	
75 n-Propyl acetate	43	4.347	4.347	0.000	99	78522	20.0	27.7	
76 2-Chloroethyl vinyl ether	63	4.602	4.602	0.000	97	39370	20.0	25.4	
77 cis-1,3-Dichloropropene	75	4.627	4.627	0.000	94	83833	20.0	24.5	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	99	333925	50.0	52.4	
79 Toluene	91	4.866	4.866	0.000	93	216061	20.0	22.7	
80 Epichlorohydrin	57	4.899	4.899	0.000	99	121503	400.0	459.7	
81 2-Nitropropane	41	5.113	5.113	0.000	97	21956	40.0	38.7	
82 Tetrachloroethene	166	5.285	5.285	0.000	95	47217	20.0	20.6	
83 4-Methyl-2-pentanone (MIBK	43	5.327	5.327	0.000	97	276669	100.0	103.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 trans-1,3-Dichloropropene	75	5.360	5.360	0.000	96	77132	20.0	24.8	
85 1,1,2-Trichloroethane	83	5.532	5.524	0.008	95	39201	20.0	23.7	
86 Ethyl methacrylate	69	5.615	5.615	0.000	89	69402	20.0	25.9	
87 Chlorodibromomethane	129	5.722	5.722	0.000	98	46716	20.0	21.5	
88 1,3-Dichloropropane	76	5.829	5.829	0.000	94	84867	20.0	24.3	
89 Ethylene Dibromide	107	5.960	5.952	0.008	98	45846	20.0	22.6	
90 n-Butyl acetate	43	6.314	6.314	0.000	99	81374	20.0	27.0	
91 2-Hexanone	43	6.364	6.364	0.000	95	198646	100.0	107.7	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	88	322348	50.0	50.0	
93 Chlorobenzene	112	6.660	6.652	0.008	95	137567	20.0	21.9	
94 Ethylbenzene	106	6.742	6.742	0.000	99	75636	20.0	22.5	
95 1,1,1,2-Tetrachloroethane	131	6.767	6.767	0.000	93	45747	20.0	21.8	
96 m-Xylene & p-Xylene	106	6.956	6.956	0.000	97	93625	20.0	23.8	
97 o-Xylene	106	7.532	7.532	0.000	94	91089	20.0	23.5	
98 Bromoform	173	7.598	7.590	0.008	94	28213	20.0	20.1	
99 Styrene	104	7.623	7.614	0.009	95	152439	20.0	24.3	
100 n-Butyl acrylate	73	7.952	7.952	0.000	98	39125	20.0	26.2	
101 Isopropylbenzene	105	8.018	8.018	0.000	96	238580	20.0	24.0	
102 Amyl acetate (mixed isomer	43	8.363	8.363	0.000	90	96732	20.0	26.8	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	85	99451	50.0	46.3	
104 Bromobenzene	156	8.479	8.479	0.000	97	57710	20.0	21.2	
105 N-Propylbenzene	91	8.643	8.643	0.000	99	282365	20.0	24.5	
106 1,1,2,2-Tetrachloroethane	83	8.791	8.791	0.000	97	62452	20.0	23.9	
107 2-Chlorotoluene	91	8.808	8.808	0.000	96	195165	20.0	23.9	
108 4-Ethyltoluene	105	8.832	8.832	0.000	98	241828	20.0	24.0	
109 1,2,3-Trichloropropane	110	8.915	8.915	0.000	98	19234	20.0	22.9	
110 1,3,5-Trimethylbenzene	105	8.989	8.989	0.000	93	200379	20.0	24.0	
111 trans-1,4-Dichloro-2-buten	53	9.046	9.046	0.000	88	19609	20.0	26.9	
112 4-Chlorotoluene	91	9.071	9.071	0.000	99	182949	20.0	24.2	
113 tert-Butylbenzene	119	9.450	9.450	0.000	94	165137	20.0	23.5	
114 1,2,4-Trimethylbenzene	105	9.581	9.573	0.008	97	201523	20.0	24.0	
115 Butyl Methacrylate	87	9.590	9.590	0.000	94	70453	20.0	24.3	
116 sec-Butylbenzene	105	9.738	9.738	0.000	99	242595	20.0	23.7	
117 1,3-Dichlorobenzene	146	9.985	9.985	0.000	95	109367	20.0	21.6	
118 4-Isopropyltoluene	119	10.018	10.018	0.000	98	205234	20.0	23.3	
* 119 1,4-Dichlorobenzene-d4	152	10.125	10.125	-0.001	96	181424	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.141	10.141	0.000	93	114167	20.0	21.2	
121 1,2,3-Trimethylbenzene	105	10.256	10.256	0.000	0	208664	20.0	23.9	
122 2,3-Dihydroindene	117	10.421	10.421	0.000	95	211297	20.0	22.8	
123 Benzyl chloride	126	10.594	10.594	0.000	97	20697	20.0	22.0	
124 p-Diethylbenzene	119	10.627	10.627	-0.001	92	109339	20.0	22.5	
125 n-Butylbenzene	92	10.709	10.709	0.000	98	91587	20.0	23.3	
126 1,2-Dichlorobenzene	146	10.808	10.808	0.000	94	107352	20.0	21.7	
127 1,2,4,5-Tetramethylbenzene	119	11.754	11.754	0.000	97	168823	20.0	28.2	
128 1,2-Dibromo-3-Chloropropan	157	11.869	11.869	0.000	96	12312	20.0	21.8	
129 1,3,5-Trichlorobenzene	180	11.910	11.910	0.000	97	71116	20.0	21.1	
130 1,2,4-Trichlorobenzene	180	12.445	12.445	0.000	95	65010	20.0	21.5	
131 Hexachlorobutadiene	225	12.462	12.462	0.000	90	21640	20.0	19.4	
132 Naphthalene	128	12.667	12.668	-0.001	99	168909	20.0	26.5	
133 1,2,3-Trichlorobenzene	180	12.791	12.791	0.000	96	62831	20.0	22.5	
S 134 1,2-Dichloroethene, Total	100				0		40.0	40.3	
S 135 1,3-Dichloropropene, Total	100				0		40.0	49.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 Xylenes, Total	100				0		40.0	47.3	
S 137 Total BTEX	1				0		100.0	116.2	

Reagents:

8260MIX1COMB_00055	Amount Added:	20.00	Units: uL	
ACROLEIN W_00063	Amount Added:	4.00	Units: uL	
GASES Li_00204	Amount Added:	20.00	Units: uL	
8260ISNEW_00111	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00155	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 28-Apr-2017 13:33:46 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170427-54375.b\E70083.D

Injection Date: 28-Apr-2017 01:00:30 Instrument ID: CVOAMS5 Operator ID:

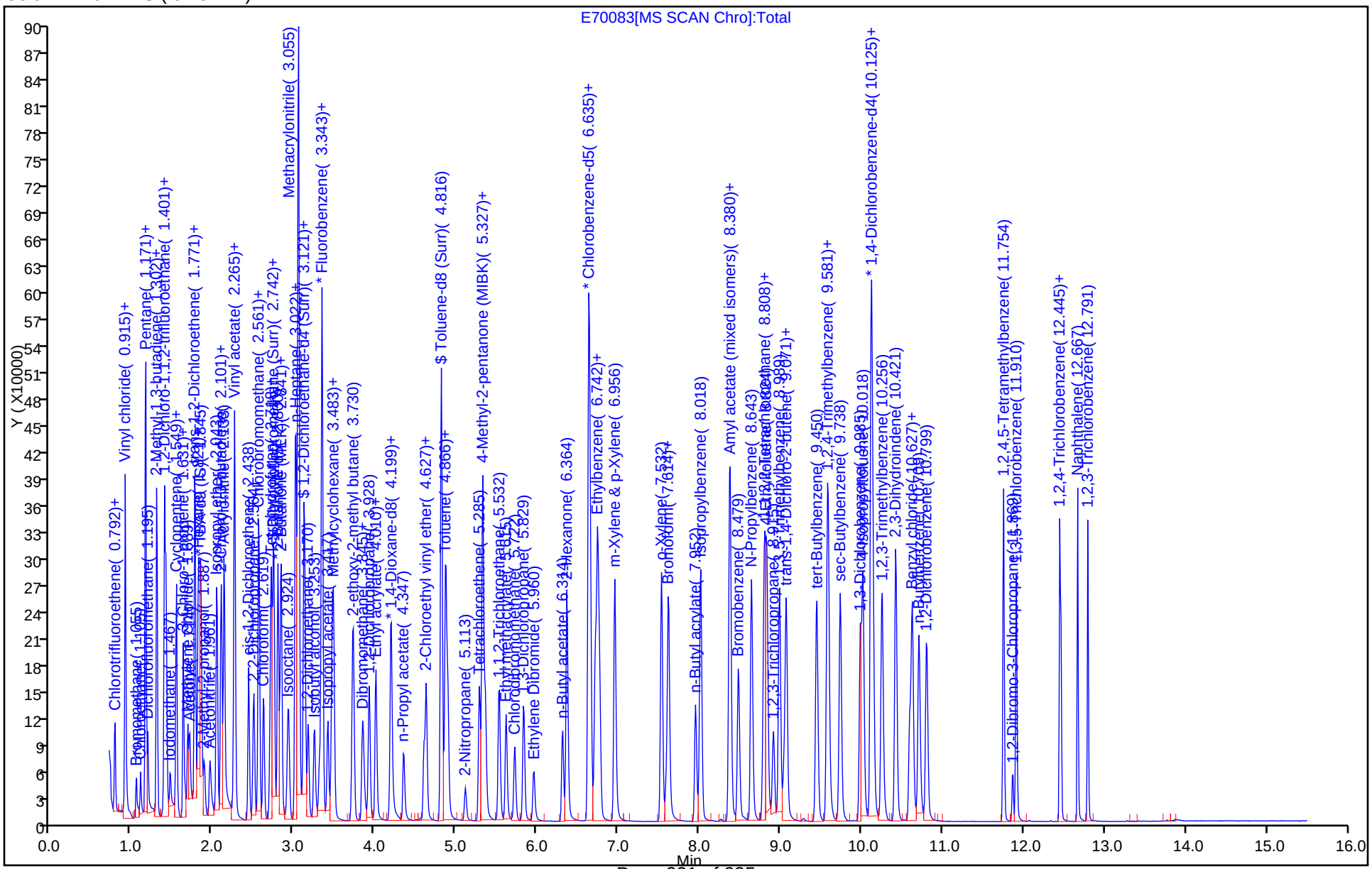
Lims ID: LCSD Worklist Smp#: 4

Client ID:

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

Method: 8260W_5 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-VMS (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131776-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-433683/4

Matrix: Water | Lab File ID: E70113.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/28/2017 13:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-VMS ID: 0.18(mm)

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

Analysis Batch No.: 433683 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	18.4		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	20.2		1.0	0.19
79-00-5	1,1,2-Trichloroethane	19.8		1.0	0.080
75-34-3	1,1-Dichloroethane	18.5		1.0	0.24
75-35-4	1,1-Dichloroethene	15.2		1.0	0.34
107-06-2	1,2-Dichloroethane	17.9		1.0	0.25
78-87-5	1,2-Dichloropropane	20.1		1.0	0.18
123-91-1	1,4-Dioxane	352		50	8.7
78-93-3	2-Butanone	71.1		5.0	2.2
591-78-6	2-Hexanone	90.9		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	88.1		5.0	0.63
67-64-1	Acetone	94.8		5.0	1.1
71-43-2	Benzene	19.6		1.0	0.090
75-27-4	Bromodichloromethane	18.6		1.0	0.15
75-25-2	Bromoform	16.6		1.0	0.18
74-83-9	Bromomethane	11.0		1.0	0.18
75-15-0	Carbon disulfide	16.8		1.0	0.22
56-23-5	Carbon tetrachloride	18.1		1.0	0.33
108-90-7	Chlorobenzene	18.7		1.0	0.24
75-00-3	Chloroethane	15.5		1.0	0.37
67-66-3	Chloroform	18.4		1.0	0.22
74-87-3	Chloromethane	21.8		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	17.4		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	20.3		1.0	0.16
124-48-1	Dibromochloromethane	18.1		1.0	0.22
100-41-4	Ethylbenzene	18.6		1.0	0.30
75-09-2	Methylene Chloride	17.3		1.0	0.21
100-42-5	Styrene	20.4		1.0	0.17
127-18-4	Tetrachloroethene	17.4		1.0	0.12
108-88-3	Toluene	19.0		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	15.7		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	20.4		1.0	0.19
79-01-6	Trichloroethene	17.2		1.0	0.22
75-01-4	Vinyl chloride	21.0		1.0	0.060
1330-20-7	Xylenes, Total	39.3		2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-433683/4

Matrix: Water Lab File ID: E70113.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/28/2017 13:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 433683 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		74-132
460-00-4	Bromofluorobenzene	87		77-124
1868-53-7	Dibromofluoromethane (Surr)	90		72-131
2037-26-5	Toluene-d8 (Surr)	97		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70113.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 28-Apr-2017 13:59:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0054412-004
Operator ID: Instrument ID: CVOAMS5

Method: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\8260W_5.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 28-Apr-2017 20:40:40 Calib Date: 20-Apr-2017 02:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20170419-53982.b\E68862.D

Column 1 : Rtx-VMS (0.18 mm) Det: MS SCAN
Process Host: XAWRK028

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	0.784	0.784	0.000	90	5962	20.0	13.0	
2 Dichlorodifluoromethane	85	0.792	0.792	0.000	99	56430	20.0	16.7	
3 Vinyl chloride	62	0.907	0.907	0.000	98	66348	20.0	21.0	
5 Chloromethane	50	0.915	0.915	0.000	71	91156	20.0	21.8	
4 Butadiene	54	0.915	0.915	0.000	92	58255	20.0	22.1	
6 Bromomethane	94	1.047	1.047	0.000	98	19780	20.0	11.0	
7 Chloroethane	64	1.105	1.105	0.000	98	27612	20.0	15.5	
9 Trichlorofluoromethane	101	1.162	1.162	0.000	63	69390	20.0	18.0	
8 Pentane	72	1.162	1.162	0.000	97	13735	40.0	30.2	
10 Dichlorofluoromethane	67	1.195	1.195	0.000	98	88519	20.0	23.0	
11 2-Methyl-1,3-butadiene	67	1.302	1.302	0.000	97	69351	20.0	19.8	
13 Ethyl ether	59	1.310	1.310	0.000	95	40361	20.0	18.5	
12 Ethanol	46	1.393	1.393	0.000	35	12031	800.0	894.1	
14 1,1-Dichloroethene	96	1.401	1.401	0.000	94	34551	20.0	15.2	
15 1,2-Dichloro-1,1,2-trifluo	67	1.401	1.401	0.000	81	50865	20.0	18.6	
17 Carbon disulfide	76	1.417	1.417	0.000	100	128735	20.0	16.8	
16 1,1,2-Trichloro-1,2,2-trif	101	1.417	1.417	0.000	92	36353	20.0	18.7	
18 Iodomethane	142	1.467	1.467	0.000	99	31226	20.0	9.42	
19 Cyclopentene	67	1.541	1.541	0.000	97	108082	20.0	18.3	
20 Acrolein	56	1.566	1.566	0.000	94	4508	40.0	15.4	
21 3-Chloro-1-propene	76	1.631	1.631	0.000	93	24479	20.0	18.1	
22 Isopropyl alcohol	45	1.656	1.656	0.000	98	29069	200.0	217.3	
23 Methylene Chloride	84	1.689	1.689	0.000	98	45239	20.0	17.3	
24 Acetone	58	1.714	1.714	0.000	86	21112	100.0	94.8	
25 trans-1,2-Dichloroethene	96	1.771	1.771	0.000	98	39672	20.0	15.7	
26 Methyl acetate	74	1.780	1.780	0.000	100	35391	100.0	103.4	
27 Hexane	57	1.812	1.812	0.000	91	91925	20.0	21.1	
28 Methyl tert-butyl ether	73	1.829	1.829	0.000	97	133948	20.0	17.9	
* 29 TBA-d9 (IS)	65	1.854	1.854	0.000	99	221184	1000.0	1000.0	
30 2-Methyl-2-propanol	59	1.895	1.895	0.000	99	48833	200.0	196.9	
31 Acetonitrile	41	1.961	1.961	0.000	99	66708	200.0	199.1	
32 Isopropyl ether	45	2.043	2.043	0.000	98	161276	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
33 2-Chloro-1,3-butadiene	88	2.092	2.092	0.000	92	38176	20.0	17.2	
34 1,1-Dichloroethane	63	2.109	2.109	0.000	99	82664	20.0	18.5	
35 Acrylonitrile	53	2.133	2.133	0.000	94	189451	200.0	198.5	
36 Tert-butyl ethyl ether	59	2.265	2.265	0.000	89	150486	20.0	19.0	
37 Vinyl acetate	86	2.265	2.265	0.000	100	20044	40.0	36.4	
38 cis-1,2-Dichloroethene	96	2.438	2.438	0.000	94	45974	20.0	17.4	
39 2,2-Dichloropropane	77	2.504	2.504	0.000	98	66063	20.0	19.1	
41 Chlorobromomethane	128	2.561	2.561	0.000	77	21739	20.0	17.1	
40 Cyclohexane	56	2.561	2.561	0.000	91	78864	20.0	24.3	
42 Chloroform	83	2.619	2.619	0.000	99	75534	20.0	18.4	
43 Carbon tetrachloride	117	2.701	2.701	0.000	99	51407	20.0	18.1	
45 Ethyl acetate	70	2.718	2.718	0.000	100	10984	40.0	33.7	
44 Methyl acrylate	55	2.718	2.718	0.000	56	44873	20.0	20.7	
46 Tetrahydrofuran	42	2.726	2.726	0.000	96	39496	40.0	33.3	
$ 47 Dibromofluoromethane (Surr	113	2.742	2.742	0.000	96	78196	50.0	44.9	
48 1,1,1-Trichloroethane	97	2.751	2.751	0.000	98	64250	20.0	18.4	
* 49 2-Butanone-d5	46	2.800	2.800	0.000	99	281009	250.0	250.0	
50 2-Butanone (MEK)	72	2.833	2.833	0.000	99	31734	100.0	71.1	
51 1,1-Dichloropropene	75	2.841	2.841	0.000	96	62662	20.0	20.3	
52 Isooctane	57	2.924	2.923	0.001	99	112910	20.0	22.4	
54 Benzene	78	3.014	3.014	0.000	97	179445	20.0	19.6	
53 n-Heptane	57	3.014	3.014	0.000	53	26944	20.0	23.4	
55 Propionitrile	54	3.039	3.039	0.000	99	70441	200.0	206.6	
56 Methacrylonitrile	67	3.055	3.055	0.000	92	207505	200.0	194.9	
$ 57 1,2-Dichloroethane-d4 (Sur	65	3.121	3.121	0.000	98	95368	50.0	44.7	
58 Tert-amyl methyl ether	73	3.129	3.129	0.000	99	130835	20.0	18.7	
59 1,2-Dichloroethane	62	3.170	3.170	0.000	97	61689	20.0	17.9	
60 Isobutyl alcohol	43	3.253	3.253	0.000	97	48572	500.0	533.7	
63 t-Amyl alcohol	59	3.319	3.318	0.001	96	32422	200.0	171.8	
* 61 Fluorobenzene	96	3.343	3.343	0.000	98	463924	50.0	50.0	
62 Isopropyl acetate	43	3.417	3.417	0.000	99	87381	20.0	20.5	
64 Methylcyclohexane	83	3.467	3.467	0.000	95	68738	20.0	22.2	
65 Trichloroethene	95	3.483	3.491	-0.008	98	42810	20.0	17.2	
66 2-ethoxy-2-methyl butane	59	3.730	3.722	0.008	98	115151	20.0	19.7	
67 Dibromomethane	93	3.837	3.837	0.000	96	28250	20.0	18.1	
68 n-Butanol	56	3.862	3.853	0.009	89	26284	500.0	399.9	
69 1,2-Dichloropropane	63	3.928	3.927	0.001	91	48535	20.0	20.1	
71 Ethyl acrylate	55	4.010	4.002	0.008	91	60570	20.0	21.3	
70 Dichlorobromomethane	83	4.010	4.010	0.000	99	55707	20.0	18.6	
* 72 1,4-Dioxane-d8	96	4.183	4.183	0.000	94	28424	1000.0	1000.0	
73 Methyl methacrylate	100	4.199	4.199	0.000	91	25898	40.0	37.2	
74 1,4-Dioxane	88	4.207	4.207	0.000	98	12389	400.0	352.3	
75 n-Propyl acetate	43	4.347	4.347	0.000	99	67765	20.0	22.6	
76 2-Chloroethyl vinyl ether	63	4.602	4.602	0.000	97	34487	20.0	21.0	
77 cis-1,3-Dichloropropene	75	4.627	4.627	0.000	94	73399	20.0	20.3	
$ 78 Toluene-d8 (Surr)	98	4.816	4.816	0.000	99	328284	50.0	48.7	
79 Toluene	91	4.866	4.866	0.000	93	191586	20.0	19.0	
80 Epichlorohydrin	57	4.899	4.899	0.000	99	103833	400.0	386.8	
81 2-Nitropropane	41	5.113	5.113	0.000	98	18975	40.0	31.6	
82 Tetrachloroethene	166	5.285	5.285	0.000	95	42175	20.0	17.4	
83 4-Methyl-2-pentanone (MIBK	43	5.327	5.327	0.001	96	239433	100.0	88.1	
84 trans-1,3-Dichloropropene	75	5.359	5.359	0.000	97	66991	20.0	20.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 1,1,2-Trichloroethane	83	5.524	5.524	0.000	94	34664	20.0	19.8	
86 Ethyl methacrylate	69	5.615	5.615	0.000	89	60405	20.0	21.3	
87 Chlorodibromomethane	129	5.722	5.722	0.000	99	41615	20.0	18.1	
88 1,3-Dichloropropane	76	5.829	5.829	0.000	95	76735	20.0	20.8	
89 Ethylene Dibromide	107	5.952	5.952	0.000	99	40812	20.0	19.0	
90 n-Butyl acetate	43	6.314	6.314	0.000	99	68946	20.0	21.6	
91 2-Hexanone	43	6.364	6.363	0.001	96	170201	100.0	90.9	
* 92 Chlorobenzene-d5	117	6.635	6.635	0.000	89	341161	50.0	50.0	
93 Chlorobenzene	112	6.652	6.651	0.001	94	123893	20.0	18.7	
94 Ethylbenzene	106	6.742	6.742	0.000	99	66097	20.0	18.6	
95 1,1,1,2-Tetrachloroethane	131	6.767	6.767	0.000	93	39401	20.0	17.8	
96 m-Xylene & p-Xylene	106	6.956	6.956	0.000	97	82360	20.0	19.8	
97 o-Xylene	106	7.532	7.532	0.000	93	80171	20.0	19.5	
98 Bromoform	173	7.598	7.590	0.008	94	24638	20.0	16.6	
99 Styrene	104	7.623	7.623	0.000	95	135396	20.0	20.4	
100 n-Butyl acrylate	73	7.952	7.952	0.000	98	34686	20.0	21.9	
101 Isopropylbenzene	105	8.018	8.018	0.000	96	212859	20.0	20.2	
102 Amyl acetate (mixed isomer	43	8.363	8.363	0.000	91	85288	20.0	22.4	
$ 103 4-Bromofluorobenzene	174	8.380	8.380	0.000	85	98467	50.0	43.3	
104 Bromobenzene	156	8.479	8.478	0.001	97	51687	20.0	18.0	
105 N-Propylbenzene	91	8.643	8.643	0.000	99	252123	20.0	20.7	
106 1,1,2,2-Tetrachloroethane	83	8.791	8.791	0.000	97	55750	20.0	20.2	
107 2-Chlorotoluene	91	8.808	8.808	0.000	96	175440	20.0	20.4	
108 4-Ethyltoluene	105	8.832	8.832	0.000	98	215192	20.0	20.2	
109 1,2,3-Trichloropropane	110	8.915	8.915	0.000	98	16990	20.0	19.2	
110 1,3,5-Trimethylbenzene	105	8.989	8.989	0.000	93	177223	20.0	20.1	
111 trans-1,4-Dichloro-2-buten	53	9.046	9.046	0.000	86	15226	20.0	19.8	
112 4-Chlorotoluene	91	9.071	9.071	0.000	98	161535	20.0	20.3	
113 tert-Butylbenzene	119	9.450	9.450	0.000	94	146481	20.0	19.8	
114 1,2,4-Trimethylbenzene	105	9.581	9.581	0.000	97	175194	20.0	19.8	
115 Butyl Methacrylate	87	9.590	9.589	0.001	92	61661	20.0	20.2	
116 sec-Butylbenzene	105	9.738	9.738	0.000	99	214195	20.0	19.8	
117 1,3-Dichlorobenzene	146	9.985	9.985	0.000	95	98585	20.0	18.5	
118 4-Isopropyltoluene	119	10.018	10.017	0.001	98	179760	20.0	19.3	
* 119 1,4-Dichlorobenzene-d4	152	10.124	10.124	0.000	96	191414	50.0	50.0	
120 1,4-Dichlorobenzene	146	10.141	10.141	0.000	95	102439	20.0	18.0	
121 1,2,3-Trimethylbenzene	105	10.256	10.256	0.000	0	183990	20.0	19.9	
122 2,3-Dihydroindene	117	10.421	10.421	0.000	95	189122	20.0	19.4	
123 Benzyl chloride	126	10.594	10.594	0.000	98	18925	20.0	19.2	
124 p-Diethylbenzene	119	10.627	10.626	0.000	93	95231	20.0	18.6	
125 n-Butylbenzene	92	10.709	10.709	0.000	99	80850	20.0	19.5	
126 1,2-Dichlorobenzene	146	10.808	10.799	0.009	94	96493	20.0	18.5	
127 1,2,4,5-Tetramethylbenzene	119	11.754	11.754	0.000	97	149002	20.0	23.6	
128 1,2-Dibromo-3-Chloropropan	157	11.869	11.869	0.000	97	11082	20.0	18.6	
129 1,3,5-Trichlorobenzene	180	11.910	11.910	0.000	97	62650	20.0	17.6	
130 1,2,4-Trichlorobenzene	180	12.445	12.445	0.000	94	58916	20.0	18.5	
131 Hexachlorobutadiene	225	12.462	12.462	0.000	90	20074	20.0	17.1	
132 Naphthalene	128	12.667	12.667	0.000	99	145229	20.0	21.6	
133 1,2,3-Trichlorobenzene	180	12.791	12.791	0.000	95	54935	20.0	18.6	
S 134 1,2-Dichloroethene, Total	100				0		40.0	33.1	
S 135 1,3-Dichloropropene, Total	100				0		40.0	40.6	
S 136 Xylenes, Total	100				0		40.0	39.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Total BTEX	1				0		100.0	96.5	

Reagents:

8260MIX1COMB_00055	Amount Added:	20.00	Units: uL	
ACROLEIN W_00063	Amount Added:	4.00	Units: uL	
GASES Li_00204	Amount Added:	20.00	Units: uL	
8260ISNEW_00111	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00155	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 28-Apr-2017 20:40:44 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20170428-54412.b\E70113.D

Injection Date: 28-Apr-2017 13:59:30 Instrument ID: CVOAMS5 Operator ID:

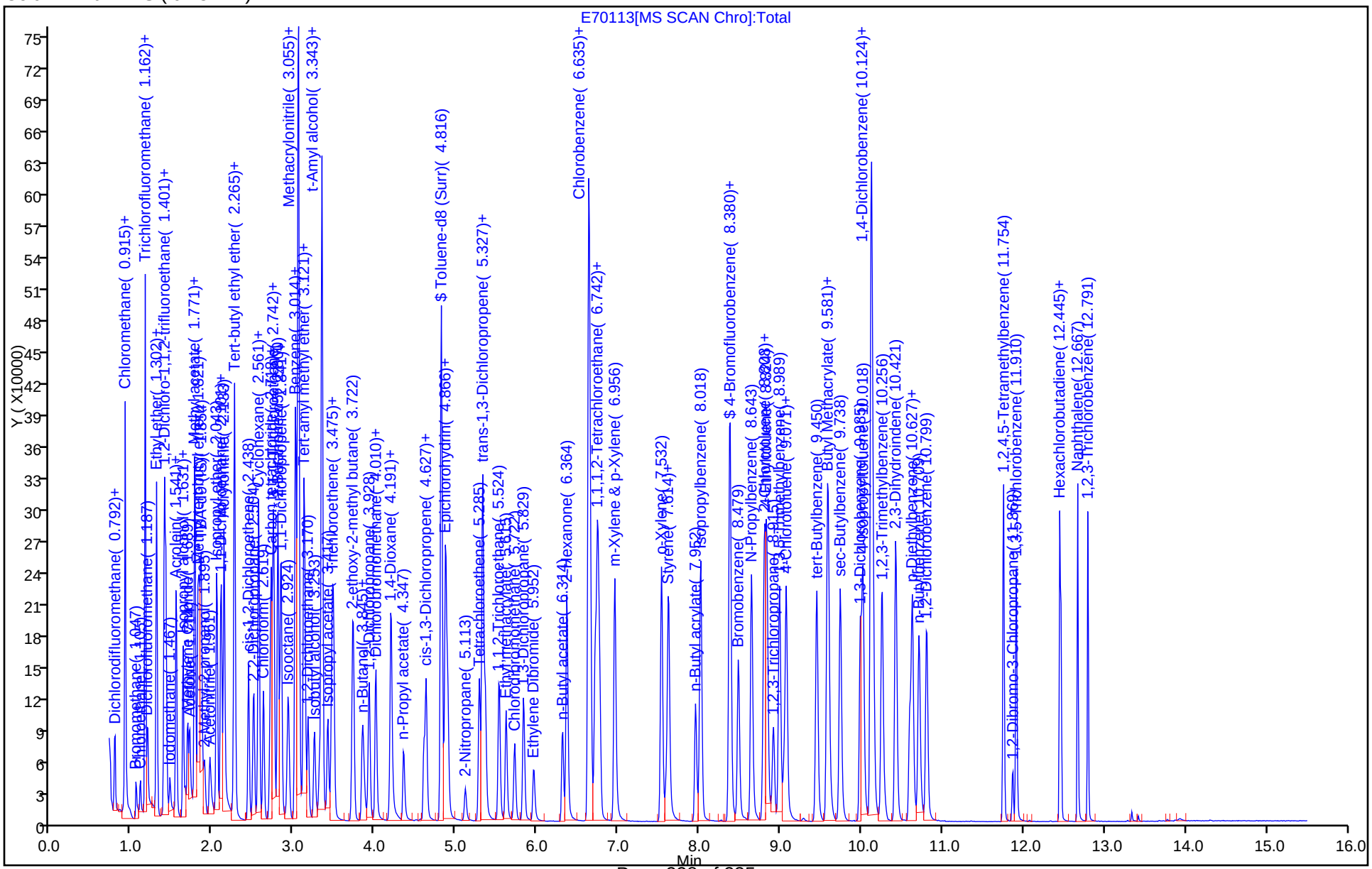
Lims ID: LCSD Worklist Smp#: 4

Client ID:

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

Method: 8260W_5 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-VMS (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Instrument ID: CVOAMS5 Start Date: 04/19/2017 21:19

Analysis Batch Number: 431606 End Date: 04/20/2017 03:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-431606/1		04/19/2017 21:19	1	E68849.D	Rtx-VMS 0.18(mm)
STD8 460-431606/2 IC		04/19/2017 21:44	1	E68850.D	Rtx-VMS 0.18(mm)
STD05 460-431606/3 IC		04/19/2017 22:10	1	E68851.D	Rtx-VMS 0.18(mm)
STD1 460-431606/4 IC		04/19/2017 22:36	1	E68852.D	Rtx-VMS 0.18(mm)
STD5 460-431606/5 IC		04/19/2017 23:01	1	E68853.D	Rtx-VMS 0.18(mm)
STD50 460-431606/7 IC		04/19/2017 23:53	1	E68855.D	Rtx-VMS 0.18(mm)
STD200 460-431606/8 IC		04/20/2017 00:19	1	E68856.D	Rtx-VMS 0.18(mm)
STD500 460-431606/9 IC		04/20/2017 00:45	1	E68857.D	Rtx-VMS 0.18(mm)
STD20 460-431606/13 ICIS		04/20/2017 02:57	1	E68862.D	Rtx-VMS 0.18(mm)
ICV 460-431606/14		04/20/2017 03:50	1		Rtx-VMS 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Instrument ID: CVOAMS5 Start Date: 04/27/2017 23:53

Analysis Batch Number: 433504 End Date: 04/28/2017 09:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-433504/1		04/27/2017 23:53	1	E70080.D	Rtx-VMS 0.18(mm)
CCVIS 460-433504/2		04/28/2017 00:08	1	E70081.D	Rtx-VMS 0.18(mm)
LCS 460-433504/3		04/28/2017 00:34	1	E70082.D	Rtx-VMS 0.18(mm)
LCSD 460-433504/4		04/28/2017 01:00	1	E70083.D	Rtx-VMS 0.18(mm)
MB 460-433504/7		04/28/2017 02:18	1	E70086.D	Rtx-VMS 0.18(mm)
460-131776-1		04/28/2017 04:28	1	E70091.D	Rtx-VMS 0.18(mm)
460-131776-2		04/28/2017 04:54	1	E70092.D	Rtx-VMS 0.18(mm)
460-131776-3		04/28/2017 05:20	1	E70093.D	Rtx-VMS 0.18(mm)
460-131776-4		04/28/2017 05:46	1	E70094.D	Rtx-VMS 0.18(mm)
460-131776-7		04/28/2017 07:04	1	E70097.D	Rtx-VMS 0.18(mm)
460-131776-8		04/28/2017 07:30	1	E70098.D	Rtx-VMS 0.18(mm)
ZZZZZ		04/28/2017 08:22	1		Rtx-VMS 0.18(mm)
ZZZZZ		04/28/2017 08:48	1		Rtx-VMS 0.18(mm)
ZZZZZ		04/28/2017 09:14	1		Rtx-VMS 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-131776-1

SDG No.:

Instrument ID: CVOAMS5 Start Date: 04/28/2017 12:41

Analysis Batch Number: 433683 End Date: 04/28/2017 22:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-433683/1		04/28/2017 12:41	1	E70110.D	Rtx-VMS 0.18(mm)
CCVIS 460-433683/2		04/28/2017 13:07	1	E70111.D	Rtx-VMS 0.18(mm)
LCS 460-433683/3		04/28/2017 13:33	1	E70112.D	Rtx-VMS 0.18(mm)
LCSD 460-433683/4		04/28/2017 13:59	1	E70113.D	Rtx-VMS 0.18(mm)
MB 460-433683/7		04/28/2017 15:17	1	E70116.D	Rtx-VMS 0.18(mm)
460-131776-6		04/28/2017 16:09	1	E70118.D	Rtx-VMS 0.18(mm)
ZZZZZ		04/28/2017 16:35	1		Rtx-VMS 0.18(mm)
460-131776-5		04/28/2017 17:01	2	E70120.D	Rtx-VMS 0.18(mm)
ZZZZZ		04/28/2017 17:53	5		Rtx-VMS 0.18(mm)
ZZZZZ		04/28/2017 22:39	5		Rtx-VMS 0.18(mm)

Shipping and Receiving Documents

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
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CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice) Bruce Manganiello	Samplers Name (Printed) N. Murray	Site/Project Identification 1192 - GWM 4/2017
Company ECM, INC.	P. O. #	State (Location of site): NJ: ☐ NY: ☑ Other:
		Regulatory Program: NYSEC DKQP: ☐
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 908 874 0920		

Sample Identification	Date	Time	Matrix	No. of Cont.	TCL VOC + 15 TICs search, MIBK, 1,4-Dioxane	Sample Numbers
Trip Blank	4/17/17	—	AQ	2	x	1
Field Blank	4/18/17	0805	~~GW~~ AQ	2	x	2
MW-43		0815	GW	3	x	3
MW-36		0850			x	4
MW-31		0925			x	5
MW-54		1040			x	6
TB-9		0955			x	7
MW-71	↓	1130	↓	↓	x	8

460-131776 Chain of Custody

LAB USE ONLY
Project No:
Job No: 131776

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____
Soil:
Water: 1 | 2

Special Instructions _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
	ECM INC	4/18/17 1320	1)	
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).
Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0715)

#8 32°C

TestAmerica Edison
Receipt Temperature and pH Log

Page ____ of ____

Job Number: 131776

Number of Coolers: 1 IR Gun # 8

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.2 °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: _____ Date: 4/18/17

Login Sample Receipt Checklist

Client: ECM, Inc.

Job Number: 460-131776-1

Login Number: 131776
List Number: 1
Creator: Aumack, Kyle J

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	
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	IR #8 3.2°C
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	

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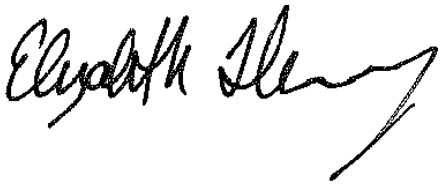
ANALYTICAL REPORT

Job Number: 460-141629-1

Job Description: 1192- AGWM 2017

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
10/5/2017 11:21 AM

Designee for
Grace Chang, Project Manager II
777 New Durham Road, Edison, NJ, 08817
(732)593-2579
grace.chang@testamericainc.com
10/05/2017

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 2017

Report Number: 460-141629-1

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 9/21/2017 10:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.1° 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 ORGANIC COMPOUNDS (GC-MS)
Samples Trip Blank (460-141629-1), FB (460-141629-2), PZ-23 (460-141629-3), MW-36 (460-141629-4), MW-31 (460-141629-5), MW-24 (460-141629-6) and MW-71 (460-141629-7) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA Method 624. The samples were analyzed on 09/30/2017 and 10/03/2017.

Surrogate Dibromofluoromethane recovery for the following sample was outside control limits: MW-36 (460-141629-4). Surrogate recoveries for the other three system monitoring compounds were within control limits; therefore, re-analysis was not performed.

Acetone was detected in method blank MB 460-466054/8 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Dibromofluoromethane (Surr) failed the surrogate recovery criteria high for MW-36 (460-141629-4). Refer to the QC report for details.

1,4-Dioxane failed the recovery criteria low for the MS of sample 460-141753-1 in batch 460-465797.

1,4-Dioxane exceeded the RPD limit for the MSD of sample 460-141753-1 in batch 460-465797.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: ECM, Inc.
Project/Site: 1192- AGWM 2017

TestAmerica Job ID: 460-141629-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-141629-1	Trip Blank	Water	09/19/17 00:00	09/21/17 10:25
460-141629-2	FB	Water	09/20/17 09:35	09/21/17 10:25
460-141629-3	PZ-23	Water	09/20/17 09:40	09/21/17 10:25
460-141629-4	MW-36	Water	09/20/17 10:25	09/21/17 10:25
460-141629-5	MW-31	Water	09/20/17 11:10	09/21/17 10:25
460-141629-6	MW-24	Water	09/20/17 12:00	09/21/17 10:25
460-141629-7	MW-71	Water	09/20/17 12:35	09/21/17 10:25

Detection Summary

Client: ECM, Inc.
Project/Site: 1192- AGWM 2017

TestAmerica Job ID: 460-141629-1

Client Sample ID: Trip Blank — Lab Sample ID: 460-141629-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.92	J	1.0	0.21	ug/L	1		624	Total/NA

Client Sample ID: FB — Lab Sample ID: 460-141629-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.93	J	1.0	0.21	ug/L	1		624	Total/NA

Client Sample ID: PZ-23 — Lab Sample ID: 460-141629-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	64		50	8.7	ug/L	1		624	Total/NA

Client Sample ID: MW-36 — Lab Sample ID: 460-141629-4

No Detections.

Client Sample ID: MW-31 — Lab Sample ID: 460-141629-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.26	J	1.0	0.24	ug/L	1		624	Total/NA
Benzene	3.3		1.0	0.090	ug/L	1		624	Total/NA
Chlorobenzene	200		1.0	0.24	ug/L	1		624	Total/NA
Chloroethane	39		1.0	0.37	ug/L	1		624	Total/NA
Toluene	0.49	J	1.0	0.25	ug/L	1		624	Total/NA

Client Sample ID: MW-24 — Lab Sample ID: 460-141629-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.39	J	1.0	0.24	ug/L	1		624	Total/NA
Benzene	3.4		1.0	0.090	ug/L	1		624	Total/NA
Chlorobenzene	150		1.0	0.24	ug/L	1		624	Total/NA
cis-1,2-Dichloroethene	30		1.0	0.26	ug/L	1		624	Total/NA
trans-1,2-Dichloroethene	21		1.0	0.18	ug/L	1		624	Total/NA
Trichloroethene	0.81	J	1.0	0.22	ug/L	1		624	Total/NA
Vinyl chloride	26		1.0	0.060	ug/L	1		624	Total/NA

Client Sample ID: MW-71 — Lab Sample ID: 460-141629-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.91	J	1.0	0.24	ug/L	1		624	Total/NA
Benzene	5.3		1.0	0.090	ug/L	1		624	Total/NA
Chlorobenzene	84		1.0	0.24	ug/L	1		624	Total/NA
Chloroethane	1.4		1.0	0.37	ug/L	1		624	Total/NA
Toluene	0.27	J	1.0	0.25	ug/L	1		624	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: ECM, Inc.
Project/Site: 1192- AGWM 2017

TestAmerica Job ID: 460-141629-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL EDI

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Client Sample ID: Trip Blank

Date Collected: 09/19/17 00:00
Date Received: 09/21/17 10:25

Lab Sample ID: 460-141629-1

Matrix: Water

Method: 624 - Volatile Organic Compounds (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			09/30/17 03:07	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			09/30/17 03:07	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			09/30/17 03:07	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			09/30/17 03:07	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			09/30/17 03:07	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			09/30/17 03:07	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			09/30/17 03:07	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			09/30/17 03:07	1
2-Butanone	2.2	U	5.0	2.2	ug/L			09/30/17 03:07	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			09/30/17 03:07	1
MIBK	0.63	U	5.0	0.63	ug/L			09/30/17 03:07	1
Acetone	1.1	U	5.0	1.1	ug/L			09/30/17 03:07	1
Benzene	0.090	U	1.0	0.090	ug/L			09/30/17 03:07	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			09/30/17 03:07	1
Bromoform	0.18	U	1.0	0.18	ug/L			09/30/17 03:07	1
Bromomethane	0.18	U	1.0	0.18	ug/L			09/30/17 03:07	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			09/30/17 03:07	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			09/30/17 03:07	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			09/30/17 03:07	1
Chloroethane	0.37	U	1.0	0.37	ug/L			09/30/17 03:07	1
Chloroform	0.22	U	1.0	0.22	ug/L			09/30/17 03:07	1
Chloromethane	0.22	U	1.0	0.22	ug/L			09/30/17 03:07	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/30/17 03:07	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			09/30/17 03:07	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			09/30/17 03:07	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/30/17 03:07	1
Methylene Chloride	**0.92**	**J**	1.0	0.21	ug/L			09/30/17 03:07	1
Styrene	0.17	U	1.0	0.17	ug/L			09/30/17 03:07	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			09/30/17 03:07	1
Toluene	0.25	U	1.0	0.25	ug/L			09/30/17 03:07	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			09/30/17 03:07	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			09/30/17 03:07	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			09/30/17 03:07	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			09/30/17 03:07	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			09/30/17 03:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*09/30/17 03:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*48 - 130*		*09/30/17 03:07*	*1*
Bromofluorobenzene	*109*		*71 - 131*		*09/30/17 03:07*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/30/17 03:07*	*1*
Dibromofluoromethane (Surr)	*114*		*80 - 120*		*09/30/17 03:07*	*1*

Client Sample ID: FB

Date Collected: 09/20/17 09:35
Date Received: 09/21/17 10:25

Lab Sample ID: 460-141629-2

Matrix: Water

Method: 624 - Volatile Organic Compounds (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			09/30/17 03:30	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			09/30/17 03:30	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			09/30/17 03:30	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			09/30/17 03:30	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			09/30/17 03:30	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			09/30/17 03:30	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			09/30/17 03:30	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			09/30/17 03:30	1
2-Butanone	2.2	U	5.0	2.2	ug/L			09/30/17 03:30	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			09/30/17 03:30	1
MIBK	0.63	U	5.0	0.63	ug/L			09/30/17 03:30	1
Acetone	1.1	U	5.0	1.1	ug/L			09/30/17 03:30	1
Benzene	0.090	U	1.0	0.090	ug/L			09/30/17 03:30	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			09/30/17 03:30	1
Bromoform	0.18	U	1.0	0.18	ug/L			09/30/17 03:30	1
Bromomethane	0.18	U	1.0	0.18	ug/L			09/30/17 03:30	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			09/30/17 03:30	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			09/30/17 03:30	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			09/30/17 03:30	1
Chloroethane	0.37	U	1.0	0.37	ug/L			09/30/17 03:30	1
Chloroform	0.22	U	1.0	0.22	ug/L			09/30/17 03:30	1
Chloromethane	0.22	U	1.0	0.22	ug/L			09/30/17 03:30	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/30/17 03:30	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			09/30/17 03:30	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			09/30/17 03:30	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/30/17 03:30	1
Methylene Chloride	**0.93**	**J**	1.0	0.21	ug/L			09/30/17 03:30	1
Styrene	0.17	U	1.0	0.17	ug/L			09/30/17 03:30	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			09/30/17 03:30	1
Toluene	0.25	U	1.0	0.25	ug/L			09/30/17 03:30	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			09/30/17 03:30	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			09/30/17 03:30	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			09/30/17 03:30	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			09/30/17 03:30	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			09/30/17 03:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*09/30/17 03:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*48 - 130*		*09/30/17 03:30*	*1*
Bromofluorobenzene	*105*		*71 - 131*		*09/30/17 03:30*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/30/17 03:30*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*09/30/17 03:30*	*1*

Client Sample ID: PZ-23
Date Collected: 09/20/17 09:40
Date Received: 09/21/17 10:25

Lab Sample ID: 460-141629-3
Matrix: Water

Method: 624 - Volatile Organic Compounds (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			09/30/17 03:53	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			09/30/17 03:53	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			09/30/17 03:53	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			09/30/17 03:53	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			09/30/17 03:53	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			09/30/17 03:53	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			09/30/17 03:53	1
1,4-Dioxane	**64**		50	8.7	ug/L			09/30/17 03:53	1
2-Butanone	2.2	U	5.0	2.2	ug/L			09/30/17 03:53	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			09/30/17 03:53	1
MIBK	0.63	U	5.0	0.63	ug/L			09/30/17 03:53	1
Acetone	1.1	U	5.0	1.1	ug/L			09/30/17 03:53	1
Benzene	0.090	U	1.0	0.090	ug/L			09/30/17 03:53	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			09/30/17 03:53	1
Bromoform	0.18	U	1.0	0.18	ug/L			09/30/17 03:53	1
Bromomethane	0.18	U	1.0	0.18	ug/L			09/30/17 03:53	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			09/30/17 03:53	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			09/30/17 03:53	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			09/30/17 03:53	1
Chloroethane	0.37	U	1.0	0.37	ug/L			09/30/17 03:53	1
Chloroform	0.22	U	1.0	0.22	ug/L			09/30/17 03:53	1
Chloromethane	0.22	U	1.0	0.22	ug/L			09/30/17 03:53	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/30/17 03:53	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			09/30/17 03:53	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			09/30/17 03:53	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/30/17 03:53	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			09/30/17 03:53	1
Styrene	0.17	U	1.0	0.17	ug/L			09/30/17 03:53	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			09/30/17 03:53	1
Toluene	0.25	U	1.0	0.25	ug/L			09/30/17 03:53	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			09/30/17 03:53	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			09/30/17 03:53	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			09/30/17 03:53	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			09/30/17 03:53	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			09/30/17 03:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethyl ether	*7.6*	*J N*	*ug/L*		*2.67*	*60-29-7*		*09/30/17 03:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*48 - 130*		*09/30/17 03:53*	*1*
Bromofluorobenzene	*101*		*71 - 131*		*09/30/17 03:53*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*09/30/17 03:53*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*09/30/17 03:53*	*1*

Client Sample ID: MW-36

Date Collected: 09/20/17 10:25
Date Received: 09/21/17 10:25

Lab Sample ID: 460-141629-4

Matrix: Water

Method: 624 - Volatile Organic Compounds (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			10/03/17 20:47	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			10/03/17 20:47	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			10/03/17 20:47	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			10/03/17 20:47	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			10/03/17 20:47	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			10/03/17 20:47	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/03/17 20:47	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			10/03/17 20:47	1
2-Butanone	2.2	U	5.0	2.2	ug/L			10/03/17 20:47	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			10/03/17 20:47	1
MIBK	0.63	U	5.0	0.63	ug/L			10/03/17 20:47	1
Acetone	1.1	U	5.0	1.1	ug/L			10/03/17 20:47	1
Benzene	0.090	U	1.0	0.090	ug/L			10/03/17 20:47	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			10/03/17 20:47	1
Bromoform	0.18	U	1.0	0.18	ug/L			10/03/17 20:47	1
Bromomethane	0.18	U	1.0	0.18	ug/L			10/03/17 20:47	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			10/03/17 20:47	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			10/03/17 20:47	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			10/03/17 20:47	1
Chloroethane	0.37	U	1.0	0.37	ug/L			10/03/17 20:47	1
Chloroform	0.22	U	1.0	0.22	ug/L			10/03/17 20:47	1
Chloromethane	0.22	U	1.0	0.22	ug/L			10/03/17 20:47	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			10/03/17 20:47	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			10/03/17 20:47	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			10/03/17 20:47	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			10/03/17 20:47	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			10/03/17 20:47	1
Styrene	0.17	U	1.0	0.17	ug/L			10/03/17 20:47	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			10/03/17 20:47	1
Toluene	0.25	U	1.0	0.25	ug/L			10/03/17 20:47	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			10/03/17 20:47	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			10/03/17 20:47	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			10/03/17 20:47	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			10/03/17 20:47	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			10/03/17 20:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/03/17 20:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*48 - 130*		*10/03/17 20:47*	*1*
Bromofluorobenzene	*106*		*71 - 131*		*10/03/17 20:47*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/03/17 20:47*	*1*
Dibromofluoromethane (Surr)	*121*	*X*	*80 - 120*		*10/03/17 20:47*	*1*

Client Sample ID: MW-31

Date Collected: 09/20/17 11:10
Date Received: 09/21/17 10:25

Lab Sample ID: 460-141629-5

Matrix: Water

Method: 624 - Volatile Organic Compounds (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			09/30/17 23:32	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			09/30/17 23:32	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			09/30/17 23:32	1
1,1-Dichloroethane	**0.26**	**J**	1.0	0.24	ug/L			09/30/17 23:32	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			09/30/17 23:32	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			09/30/17 23:32	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			09/30/17 23:32	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			09/30/17 23:32	1
2-Butanone	2.2	U	5.0	2.2	ug/L			09/30/17 23:32	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			09/30/17 23:32	1
MIBK	0.63	U	5.0	0.63	ug/L			09/30/17 23:32	1
Acetone	1.1	U	5.0	1.1	ug/L			09/30/17 23:32	1
Benzene	**3.3**		1.0	0.090	ug/L			09/30/17 23:32	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			09/30/17 23:32	1
Bromoform	0.18	U	1.0	0.18	ug/L			09/30/17 23:32	1
Bromomethane	0.18	U	1.0	0.18	ug/L			09/30/17 23:32	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			09/30/17 23:32	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			09/30/17 23:32	1
Chlorobenzene	**200**		1.0	0.24	ug/L			09/30/17 23:32	1
Chloroethane	**39**		1.0	0.37	ug/L			09/30/17 23:32	1
Chloroform	0.22	U	1.0	0.22	ug/L			09/30/17 23:32	1
Chloromethane	0.22	U	1.0	0.22	ug/L			09/30/17 23:32	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/30/17 23:32	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			09/30/17 23:32	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			09/30/17 23:32	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/30/17 23:32	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			09/30/17 23:32	1
Styrene	0.17	U	1.0	0.17	ug/L			09/30/17 23:32	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			09/30/17 23:32	1
Toluene	**0.49**	**J**	1.0	0.25	ug/L			09/30/17 23:32	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			09/30/17 23:32	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			09/30/17 23:32	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			09/30/17 23:32	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			09/30/17 23:32	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			09/30/17 23:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethyl ether	*120*		*ug/L*		*2.68*	*60-29-7*		*09/30/17 23:32*	*1*
2-Chlorotoluene	*33*		*ug/L*		*8.62*	*95-49-8*		*09/30/17 23:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*48 - 130*		*09/30/17 23:32*	*1*
Bromofluorobenzene	*103*		*71 - 131*		*09/30/17 23:32*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/30/17 23:32*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*09/30/17 23:32*	*1*

Client Sample ID: MW-24

Date Collected: 09/20/17 12:00
Date Received: 09/21/17 10:25

Lab Sample ID: 460-141629-6

Matrix: Water

Method: 624 - Volatile Organic Compounds (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			10/03/17 21:10	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			10/03/17 21:10	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			10/03/17 21:10	1
1,1-Dichloroethane	**0.39**	**J**	1.0	0.24	ug/L			10/03/17 21:10	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			10/03/17 21:10	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			10/03/17 21:10	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/03/17 21:10	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			10/03/17 21:10	1
2-Butanone	2.2	U	5.0	2.2	ug/L			10/03/17 21:10	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			10/03/17 21:10	1
MIBK	0.63	U	5.0	0.63	ug/L			10/03/17 21:10	1
Acetone	1.1	U	5.0	1.1	ug/L			10/03/17 21:10	1
Benzene	**3.4**		1.0	0.090	ug/L			10/03/17 21:10	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			10/03/17 21:10	1
Bromoform	0.18	U	1.0	0.18	ug/L			10/03/17 21:10	1
Bromomethane	0.18	U	1.0	0.18	ug/L			10/03/17 21:10	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			10/03/17 21:10	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			10/03/17 21:10	1
Chlorobenzene	**150**		1.0	0.24	ug/L			10/03/17 21:10	1
Chloroethane	0.37	U	1.0	0.37	ug/L			10/03/17 21:10	1
Chloroform	0.22	U	1.0	0.22	ug/L			10/03/17 21:10	1
Chloromethane	0.22	U	1.0	0.22	ug/L			10/03/17 21:10	1
cis-1,2-Dichloroethene	**30**		1.0	0.26	ug/L			10/03/17 21:10	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			10/03/17 21:10	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			10/03/17 21:10	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			10/03/17 21:10	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			10/03/17 21:10	1
Styrene	0.17	U	1.0	0.17	ug/L			10/03/17 21:10	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			10/03/17 21:10	1
Toluene	0.25	U	1.0	0.25	ug/L			10/03/17 21:10	1
trans-1,2-Dichloroethene	**21**		1.0	0.18	ug/L			10/03/17 21:10	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			10/03/17 21:10	1
Trichloroethene	**0.81**	**J**	1.0	0.22	ug/L			10/03/17 21:10	1
Vinyl chloride	**26**		1.0	0.060	ug/L			10/03/17 21:10	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			10/03/17 21:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/03/17 21:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*48 - 130*		*10/03/17 21:10*	*1*
Bromofluorobenzene	*104*		*71 - 131*		*10/03/17 21:10*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/03/17 21:10*	*1*
Dibromofluoromethane (Surr)	*116*		*80 - 120*		*10/03/17 21:10*	*1*

Client Sample ID: MW-71

Date Collected: 09/20/17 12:35
Date Received: 09/21/17 10:25

Lab Sample ID: 460-141629-7

Matrix: Water

Method: 624 - Volatile Organic Compounds (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			09/30/17 05:01	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			09/30/17 05:01	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			09/30/17 05:01	1
1,1-Dichloroethane	**0.91**	**J**	1.0	0.24	ug/L			09/30/17 05:01	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			09/30/17 05:01	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			09/30/17 05:01	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			09/30/17 05:01	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			09/30/17 05:01	1
2-Butanone	2.2	U	5.0	2.2	ug/L			09/30/17 05:01	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			09/30/17 05:01	1
MIBK	0.63	U	5.0	0.63	ug/L			09/30/17 05:01	1
Acetone	1.1	U	5.0	1.1	ug/L			09/30/17 05:01	1
Benzene	**5.3**		1.0	0.090	ug/L			09/30/17 05:01	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			09/30/17 05:01	1
Bromoform	0.18	U	1.0	0.18	ug/L			09/30/17 05:01	1
Bromomethane	0.18	U	1.0	0.18	ug/L			09/30/17 05:01	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			09/30/17 05:01	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			09/30/17 05:01	1
Chlorobenzene	**84**		1.0	0.24	ug/L			09/30/17 05:01	1
Chloroethane	**1.4**		1.0	0.37	ug/L			09/30/17 05:01	1
Chloroform	0.22	U	1.0	0.22	ug/L			09/30/17 05:01	1
Chloromethane	0.22	U	1.0	0.22	ug/L			09/30/17 05:01	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/30/17 05:01	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			09/30/17 05:01	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			09/30/17 05:01	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/30/17 05:01	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			09/30/17 05:01	1
Styrene	0.17	U	1.0	0.17	ug/L			09/30/17 05:01	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			09/30/17 05:01	1
Toluene	**0.27**	**J**	1.0	0.25	ug/L			09/30/17 05:01	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			09/30/17 05:01	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			09/30/17 05:01	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			09/30/17 05:01	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			09/30/17 05:01	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			09/30/17 05:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethyl ether	*18*	*J N*	*ug/L*		*2.68*	*60-29-7*		*09/30/17 05:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*48 - 130*		*09/30/17 05:01*	*1*
Bromofluorobenzene	*104*		*71 - 131*		*09/30/17 05:01*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/30/17 05:01*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*09/30/17 05:01*	*1*

Surrogate Summary

Client: ECM, Inc.
Project/Site: 1192- AGWM 2017

TestAmerica Job ID: 460-141629-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(48-130)	(71-131)	(80-120)	(80-120)
460-141629-1	Trip Blank	93	109	102	114
460-141629-2	FB	94	105	101	110
460-141629-3	PZ-23	89	101	93	105
460-141629-4	MW-36	102	106	101	121 X
460-141629-5	MW-31	99	103	101	112
460-141629-5 MS	MW-31	100	107	103	112
460-141629-5 MSD	MW-31	95	102	100	108
460-141629-6	MW-24	103	104	98	116
460-141629-7	MW-71	93	104	98	108
460-141753-C-1 MS	Matrix Spike	96	114	108	117
460-141753-C-1 MSD	Matrix Spike Duplicate	97	112	106	115
LCS 460-465797/4	Lab Control Sample	92	102	99	104
LCS 460-466054/4	Lab Control Sample	92	104	101	106
LCS 460-466535/5	Lab Control Sample	106	109	106	117
LCSD 460-466535/60	Lab Control Sample Dup	101	107	101	116
MB 460-465797/8	Method Blank	85	95	93	97
MB 460-466054/8	Method Blank	94	105	102	106
MB 460-466535/8	Method Blank	98	96	95	105

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = Bromofluorobenzene
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-465797/8
Matrix: Water
Analysis Batch: 465797

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			09/29/17 10:08	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			09/29/17 10:08	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			09/29/17 10:08	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			09/29/17 10:08	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			09/29/17 10:08	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			09/29/17 10:08	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			09/29/17 10:08	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			09/29/17 10:08	1
2-Butanone	2.2	U	5.0	2.2	ug/L			09/29/17 10:08	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			09/29/17 10:08	1
MIBK	0.63	U	5.0	0.63	ug/L			09/29/17 10:08	1
Acetone	1.1	U	5.0	1.1	ug/L			09/29/17 10:08	1
Benzene	0.090	U	1.0	0.090	ug/L			09/29/17 10:08	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			09/29/17 10:08	1
Bromoform	0.18	U	1.0	0.18	ug/L			09/29/17 10:08	1
Bromomethane	0.18	U	1.0	0.18	ug/L			09/29/17 10:08	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			09/29/17 10:08	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			09/29/17 10:08	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			09/29/17 10:08	1
Chloroethane	0.37	U	1.0	0.37	ug/L			09/29/17 10:08	1
Chloroform	0.22	U	1.0	0.22	ug/L			09/29/17 10:08	1
Chloromethane	0.22	U	1.0	0.22	ug/L			09/29/17 10:08	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/29/17 10:08	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			09/29/17 10:08	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			09/29/17 10:08	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/29/17 10:08	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			09/29/17 10:08	1
Styrene	0.17	U	1.0	0.17	ug/L			09/29/17 10:08	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			09/29/17 10:08	1
Toluene	0.25	U	1.0	0.25	ug/L			09/29/17 10:08	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			09/29/17 10:08	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			09/29/17 10:08	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			09/29/17 10:08	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			09/29/17 10:08	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			09/29/17 10:08	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*09/29/17 10:08*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*48 - 130*		*09/29/17 10:08*	*1*
Bromofluorobenzene	*95*		*71 - 131*		*09/29/17 10:08*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*09/29/17 10:08*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*09/29/17 10:08*	*1*

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-465797/4
Matrix: Water
Analysis Batch: 465797

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	19.5		ug/L		97	52 - 162
1,1,2,2-Tetrachloroethane	20.0	19.3		ug/L		96	46 - 147
1,1,2-Trichloroethane	20.0	19.9		ug/L		99	52 - 150
1,1-Dichloroethane	20.0	18.9		ug/L		94	59 - 155
1,1-Dichloroethene	20.0	22.7		ug/L		114	0 - 234
1,2-Dichloroethane	20.0	18.6		ug/L		93	49 - 155
1,2-Dichloropropane	20.0	18.7		ug/L		94	0 - 210
1,4-Dioxane	400	420		ug/L		105	71 - 150
2-Butanone	100	128		ug/L		128	57 - 144
2-Hexanone	100	106		ug/L		106	60 - 137
MIBK	100	99.6		ug/L		100	73 - 124
Acetone	100	107		ug/L		107	48 - 143
Benzene	20.0	19.2		ug/L		96	37 - 151
Bromodichloromethane	20.0	18.9		ug/L		94	35 - 155
Bromoform	20.0	19.6		ug/L		98	45 - 169
Bromomethane	20.0	22.6		ug/L		113	0 - 242
Carbon disulfide	20.0	18.6		ug/L		93	51 - 144
Carbon tetrachloride	20.0	19.8		ug/L		99	70 - 140
Chlorobenzene	20.0	21.3		ug/L		106	37 - 160
Chloroethane	20.0	19.8		ug/L		99	14 - 230
Chloroform	20.0	19.7		ug/L		99	51 - 138
Chloromethane	20.0	14.9		ug/L		75	0 - 273
cis-1,2-Dichloroethene	20.0	20.4		ug/L		102	80 - 120
cis-1,3-Dichloropropene	20.0	18.8		ug/L		94	0 - 227
Dibromochloromethane	20.0	20.5		ug/L		102	53 - 149
Ethylbenzene	20.0	20.1		ug/L		101	37 - 162
Methylene Chloride	20.0	20.3		ug/L		102	0 - 221
Styrene	20.0	17.1		ug/L		85	80 - 126
Tetrachloroethene	20.0	21.9		ug/L		109	78 - 121
Toluene	20.0	19.3		ug/L		97	78 - 120
trans-1,2-Dichloroethene	20.0	20.7		ug/L		103	54 - 156
trans-1,3-Dichloropropene	20.0	18.0		ug/L		90	17 - 183
Trichloroethene	20.0	20.4		ug/L		102	71 - 157
Vinyl chloride	20.0	17.6		ug/L		88	0 - 251
Xylenes, Total	40.0	39.9		ug/L		100	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*48 - 130*
Bromofluorobenzene	*102*		*71 - 131*
Toluene-d8 (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 120*

Lab Sample ID: 460-141753-C-1 MS
Matrix: Water
Analysis Batch: 465797

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	200	194		ug/L		97	52 - 162

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-141753-C-1 MS
Matrix: Water
Analysis Batch: 465797

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	200	175		ug/L		87	46 - 147
1,1,2-Trichloroethane	0.080	U	200	187		ug/L		93	52 - 150
1,1-Dichloroethane	0.24	U	200	194		ug/L		97	59 - 155
1,1-Dichloroethene	0.34	U	200	218		ug/L		109	0 - 234
1,2-Dichloroethane	0.25	U	200	180		ug/L		90	49 - 155
1,2-Dichloropropane	0.18	U	200	176		ug/L		88	0 - 210
1,4-Dioxane	8.7	U F1 F2	4000	1500	F1	ug/L		37	71 - 150
2-Butanone	2.2	U	1000	1230		ug/L		123	57 - 144
2-Hexanone	0.72	U	1000	1080		ug/L		108	60 - 137
MIBK	0.63	U	1000	1110		ug/L		111	73 - 124
Acetone	2.9	J	1000	1080		ug/L		108	48 - 143
Benzene	0.090	U	200	199		ug/L		99	37 - 151
Bromodichloromethane	0.15	U	200	172		ug/L		86	35 - 155
Bromoform	0.18	U	200	181		ug/L		90	45 - 169
Bromomethane	0.18	U	200	250		ug/L		125	0 - 242
Carbon disulfide	0.22	U	200	178		ug/L		89	51 - 144
Carbon tetrachloride	0.33	U	200	188		ug/L		94	70 - 140
Chlorobenzene	0.24	U	200	204		ug/L		102	37 - 160
Chloroethane	0.37	U	200	196		ug/L		98	14 - 230
Chloroform	0.22	U	200	205		ug/L		102	51 - 138
Chloromethane	0.22	U	200	170		ug/L		85	0 - 273
cis-1,2-Dichloroethene	0.26	U	200	214		ug/L		107	80 - 120
cis-1,3-Dichloropropene	0.16	U	200	162		ug/L		81	0 - 227
Dibromochloromethane	0.22	U	200	187		ug/L		94	53 - 149
Ethylbenzene	0.30	U	200	196		ug/L		98	37 - 162
Methylene Chloride	0.21	U	200	210		ug/L		105	0 - 221
Styrene	0.17	U	200	194		ug/L		97	80 - 126
Tetrachloroethene	0.12	U	200	205		ug/L		103	78 - 121
Toluene	0.25	U	200	187		ug/L		93	78 - 120
trans-1,2-Dichloroethene	0.18	U	200	209		ug/L		104	54 - 156
trans-1,3-Dichloropropene	0.19	U	200	150		ug/L		75	17 - 183
Trichloroethene	0.22	U	200	191		ug/L		96	71 - 157
Vinyl chloride	0.060	U	200	190		ug/L		95	0 - 251
Xylenes, Total	0.28	U	400	393		ug/L		98	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*48 - 130*
Bromofluorobenzene	*114*		*71 - 131*
Toluene-d8 (Surr)	*108*		*80 - 120*
Dibromofluoromethane (Surr)	*117*		*80 - 120*

Lab Sample ID: 460-141753-C-1 MSD
Matrix: Water
Analysis Batch: 465797

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	200	195		ug/L		97	52 - 162	0	30
1,1,2,2-Tetrachloroethane	0.19	U	200	177		ug/L		89	46 - 147	1	30

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-141753-C-1 MSD
Matrix: Water
Analysis Batch: 465797

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	200	187		ug/L		93	52 - 150	0	30
1,1-Dichloroethane	0.24	U	200	193		ug/L		96	59 - 155	1	30
1,1-Dichloroethene	0.34	U	200	227		ug/L		113	0 - 234	4	30
1,2-Dichloroethane	0.25	U	200	172		ug/L		86	49 - 155	5	30
1,2-Dichloropropane	0.18	U	200	178		ug/L		89	0 - 210	1	30
1,4-Dioxane	8.7	U F1 F2	4000	3610	F2	ug/L		90	71 - 150	83	30
2-Butanone	2.2	U	1000	1230		ug/L		123	57 - 144	0	30
2-Hexanone	0.72	U	1000	1080		ug/L		108	60 - 137	0	30
MIBK	0.63	U	1000	1100		ug/L		110	73 - 124	1	30
Acetone	2.9	J	1000	1160		ug/L		115	48 - 143	7	30
Benzene	0.090	U	200	196		ug/L		98	37 - 151	1	30
Bromodichloromethane	0.15	U	200	175		ug/L		87	35 - 155	2	30
Bromoform	0.18	U	200	176		ug/L		88	45 - 169	2	30
Bromomethane	0.18	U	200	254		ug/L		127	0 - 242	1	30
Carbon disulfide	0.22	U	200	182		ug/L		91	51 - 144	2	30
Carbon tetrachloride	0.33	U	200	195		ug/L		98	70 - 140	4	30
Chlorobenzene	0.24	U	200	202		ug/L		101	37 - 160	1	30
Chloroethane	0.37	U	200	209		ug/L		105	14 - 230	7	30
Chloroform	0.22	U	200	204		ug/L		102	51 - 138	0	30
Chloromethane	0.22	U	200	166		ug/L		83	0 - 273	2	30
cis-1,2-Dichloroethene	0.26	U	200	216		ug/L		108	80 - 120	1	30
cis-1,3-Dichloropropene	0.16	U	200	166		ug/L		83	0 - 227	3	30
Dibromochloromethane	0.22	U	200	190		ug/L		95	53 - 149	2	30
Ethylbenzene	0.30	U	200	195		ug/L		98	37 - 162	0	30
Methylene Chloride	0.21	U	200	210		ug/L		105	0 - 221	0	30
Styrene	0.17	U	200	193		ug/L		96	80 - 126	0	30
Tetrachloroethene	0.12	U	200	203		ug/L		101	78 - 121	1	30
Toluene	0.25	U	200	187		ug/L		93	78 - 120	0	30
trans-1,2-Dichloroethene	0.18	U	200	214		ug/L		107	54 - 156	3	30
trans-1,3-Dichloropropene	0.19	U	200	154		ug/L		77	17 - 183	2	30
Trichloroethene	0.22	U	200	190		ug/L		95	71 - 157	0	30
Vinyl chloride	0.060	U	200	189		ug/L		94	0 - 251	1	30
Xylenes, Total	0.28	U	400	388		ug/L		97	80 - 120	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*48 - 130*
Bromofluorobenzene	*112*		*71 - 131*
Toluene-d8 (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*115*		*80 - 120*

Lab Sample ID: MB 460-466054/8
Matrix: Water
Analysis Batch: 466054

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			09/30/17 10:11	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			09/30/17 10:11	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			09/30/17 10:11	1

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-466054/8
Matrix: Water
Analysis Batch: 466054

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			09/30/17 10:11	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			09/30/17 10:11	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			09/30/17 10:11	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			09/30/17 10:11	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			09/30/17 10:11	1
2-Butanone	2.2	U	5.0	2.2	ug/L			09/30/17 10:11	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			09/30/17 10:11	1
MIBK	0.63	U	5.0	0.63	ug/L			09/30/17 10:11	1
Acetone	4.53	J	5.0	1.1	ug/L			09/30/17 10:11	1
Benzene	0.090	U	1.0	0.090	ug/L			09/30/17 10:11	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			09/30/17 10:11	1
Bromoform	0.18	U	1.0	0.18	ug/L			09/30/17 10:11	1
Bromomethane	0.18	U	1.0	0.18	ug/L			09/30/17 10:11	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			09/30/17 10:11	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			09/30/17 10:11	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			09/30/17 10:11	1
Chloroethane	0.37	U	1.0	0.37	ug/L			09/30/17 10:11	1
Chloroform	0.22	U	1.0	0.22	ug/L			09/30/17 10:11	1
Chloromethane	0.22	U	1.0	0.22	ug/L			09/30/17 10:11	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			09/30/17 10:11	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			09/30/17 10:11	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			09/30/17 10:11	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			09/30/17 10:11	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			09/30/17 10:11	1
Styrene	0.17	U	1.0	0.17	ug/L			09/30/17 10:11	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			09/30/17 10:11	1
Toluene	0.25	U	1.0	0.25	ug/L			09/30/17 10:11	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			09/30/17 10:11	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			09/30/17 10:11	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			09/30/17 10:11	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			09/30/17 10:11	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			09/30/17 10:11	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*09/30/17 10:11*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*48 - 130*		*09/30/17 10:11*	*1*
Bromofluorobenzene	*105*		*71 - 131*		*09/30/17 10:11*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/30/17 10:11*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*09/30/17 10:11*	*1*

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-466054/4
Matrix: Water
Analysis Batch: 466054

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	19.7		ug/L		99	52 - 162
1,1,2,2-Tetrachloroethane	20.0	19.3		ug/L		97	46 - 147
1,1,2-Trichloroethane	20.0	20.2		ug/L		101	52 - 150
1,1-Dichloroethane	20.0	19.5		ug/L		98	59 - 155
1,1-Dichloroethene	20.0	22.8		ug/L		114	0 - 234
1,2-Dichloroethane	20.0	19.0		ug/L		95	49 - 155
1,2-Dichloropropane	20.0	19.5		ug/L		98	0 - 210
1,4-Dioxane	400	441		ug/L		110	71 - 150
2-Butanone	100	134		ug/L		134	57 - 144
2-Hexanone	100	112		ug/L		112	60 - 137
MIBK	100	106		ug/L		106	73 - 124
Acetone	100	110		ug/L		110	48 - 143
Benzene	20.0	19.6		ug/L		98	37 - 151
Bromodichloromethane	20.0	19.9		ug/L		100	35 - 155
Bromoform	20.0	20.0		ug/L		100	45 - 169
Bromomethane	20.0	26.7		ug/L		133	0 - 242
Carbon disulfide	20.0	18.5		ug/L		92	51 - 144
Carbon tetrachloride	20.0	19.9		ug/L		99	70 - 140
Chlorobenzene	20.0	22.4		ug/L		112	37 - 160
Chloroethane	20.0	22.9		ug/L		114	14 - 230
Chloroform	20.0	20.6		ug/L		103	51 - 138
Chloromethane	20.0	18.0		ug/L		90	0 - 273
cis-1,2-Dichloroethene	20.0	21.9		ug/L		109	80 - 120
cis-1,3-Dichloropropene	20.0	19.8		ug/L		99	0 - 227
Dibromochloromethane	20.0	21.6		ug/L		108	53 - 149
Ethylbenzene	20.0	20.4		ug/L		102	37 - 162
Methylene Chloride	20.0	20.9		ug/L		104	0 - 221
Styrene	20.0	20.0		ug/L		100	80 - 126
Tetrachloroethene	20.0	22.4		ug/L		112	78 - 121
Toluene	20.0	19.9		ug/L		100	78 - 120
trans-1,2-Dichloroethene	20.0	21.7		ug/L		108	54 - 156
trans-1,3-Dichloropropene	20.0	19.3		ug/L		96	17 - 183
Trichloroethene	20.0	21.1		ug/L		105	71 - 157
Vinyl chloride	20.0	20.4		ug/L		102	0 - 251
Xylenes, Total	40.0	41.2		ug/L		103	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*48 - 130*
Bromofluorobenzene	*104*		*71 - 131*
Toluene-d8 (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*

Lab Sample ID: 460-141629-5 MS
Matrix: Water
Analysis Batch: 466054

Client Sample ID: MW-31
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	200	203		ug/L		102	52 - 162

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-141629-5 MS
Matrix: Water
Analysis Batch: 466054

Client Sample ID: MW-31
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	200	194		ug/L		97	46 - 147
1,1,2-Trichloroethane	0.080	U	200	203		ug/L		102	52 - 150
1,1-Dichloroethane	0.26	J	200	194		ug/L		97	59 - 155
1,1-Dichloroethene	0.34	U	200	237		ug/L		118	0 - 234
1,2-Dichloroethane	0.25	U	200	193		ug/L		97	49 - 155
1,2-Dichloropropane	0.18	U	200	187		ug/L		94	0 - 210
1,4-Dioxane	8.7	U	4000	4300		ug/L		107	71 - 150
2-Butanone	2.2	U	1000	1300		ug/L		130	57 - 144
2-Hexanone	0.72	U	1000	1040		ug/L		104	60 - 137
MIBK	0.63	U	1000	1010		ug/L		101	73 - 124
Acetone	1.1	U	1000	1160		ug/L		116	48 - 143
Benzene	3.3		200	196		ug/L		96	37 - 151
Bromodichloromethane	0.15	U	200	180		ug/L		90	35 - 155
Bromoform	0.18	U	200	155		ug/L		78	45 - 169
Bromomethane	0.18	U	200	289		ug/L		145	0 - 242
Carbon disulfide	0.22	U	200	148		ug/L		74	51 - 144
Carbon tetrachloride	0.33	U	200	200		ug/L		100	70 - 140
Chlorobenzene	200		200	362		ug/L		79	37 - 160
Chloroethane	39		200	280		ug/L		120	14 - 230
Chloroform	0.22	U	200	208		ug/L		104	51 - 138
Chloromethane	0.22	U	200	179		ug/L		89	0 - 273
cis-1,2-Dichloroethene	0.26	U	200	211		ug/L		106	80 - 120
cis-1,3-Dichloropropene	0.16	U	200	166		ug/L		83	0 - 227
Dibromochloromethane	0.22	U	200	184		ug/L		92	53 - 149
Ethylbenzene	0.30	U	200	195		ug/L		97	37 - 162
Methylene Chloride	0.21	U	200	216		ug/L		108	0 - 221
Styrene	0.17	U	200	176		ug/L		88	80 - 126
Tetrachloroethene	0.12	U	200	209		ug/L		104	78 - 121
Toluene	0.49	J	200	190		ug/L		95	78 - 120
trans-1,2-Dichloroethene	0.18	U	200	211		ug/L		105	54 - 156
trans-1,3-Dichloropropene	0.19	U	200	159		ug/L		80	17 - 183
Trichloroethene	0.22	U	200	203		ug/L		101	71 - 157
Vinyl chloride	0.060	U	200	210		ug/L		105	0 - 251
Xylenes, Total	0.28	U	400	394		ug/L		98	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*48 - 130*
Bromofluorobenzene	*107*		*71 - 131*
Toluene-d8 (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*112*		*80 - 120*

Lab Sample ID: 460-141629-5 MSD
Matrix: Water
Analysis Batch: 466054

Client Sample ID: MW-31
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	200	200		ug/L		100	52 - 162	1	30
1,1,2,2-Tetrachloroethane	0.19	U	200	191		ug/L		95	46 - 147	2	30

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-141629-5 MSD
Matrix: Water
Analysis Batch: 466054

Client Sample ID: MW-31
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	200	197		ug/L		99	52 - 150	3	30
1,1-Dichloroethane	0.26	J	200	197		ug/L		98	59 - 155	2	30
1,1-Dichloroethene	0.34	U	200	236		ug/L		118	0 - 234	0	30
1,2-Dichloroethane	0.25	U	200	196		ug/L		98	49 - 155	1	30
1,2-Dichloropropane	0.18	U	200	192		ug/L		96	0 - 210	2	30
1,4-Dioxane	8.7	U	4000	4570		ug/L		114	71 - 150	6	30
2-Butanone	2.2	U	1000	1310		ug/L		131	57 - 144	1	30
2-Hexanone	0.72	U	1000	1020		ug/L		102	60 - 137	2	30
MIBK	0.63	U	1000	1020		ug/L		102	73 - 124	1	30
Acetone	1.1	U	1000	1120		ug/L		112	48 - 143	4	30
Benzene	3.3		200	195		ug/L		96	37 - 151	0	30
Bromodichloromethane	0.15	U	200	182		ug/L		91	35 - 155	1	30
Bromoform	0.18	U	200	160		ug/L		80	45 - 169	3	30
Bromomethane	0.18	U	200	299		ug/L		150	0 - 242	3	30
Carbon disulfide	0.22	U	200	153		ug/L		76	51 - 144	3	30
Carbon tetrachloride	0.33	U	200	197		ug/L		98	70 - 140	2	30
Chlorobenzene	200		200	360		ug/L		78	37 - 160	1	30
Chloroethane	39		200	284		ug/L		122	14 - 230	1	30
Chloroform	0.22	U	200	207		ug/L		103	51 - 138	0	30
Chloromethane	0.22	U	200	181		ug/L		91	0 - 273	1	30
cis-1,2-Dichloroethene	0.26	U	200	213		ug/L		106	80 - 120	1	30
cis-1,3-Dichloropropene	0.16	U	200	167		ug/L		83	0 - 227	0	30
Dibromochloromethane	0.22	U	200	179		ug/L		90	53 - 149	2	30
Ethylbenzene	0.30	U	200	201		ug/L		100	37 - 162	3	30
Methylene Chloride	0.21	U	200	216		ug/L		108	0 - 221	0	30
Styrene	0.17	U	200	180		ug/L		90	80 - 126	2	30
Tetrachloroethene	0.12	U	200	209		ug/L		105	78 - 121	0	30
Toluene	0.49	J	200	191		ug/L		95	78 - 120	0	30
trans-1,2-Dichloroethene	0.18	U	200	215		ug/L		108	54 - 156	2	30
trans-1,3-Dichloropropene	0.19	U	200	160		ug/L		80	17 - 183	0	30
Trichloroethene	0.22	U	200	200		ug/L		100	71 - 157	1	30
Vinyl chloride	0.060	U	200	213		ug/L		107	0 - 251	2	30
Xylenes, Total	0.28	U	400	392		ug/L		98	80 - 120	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*48 - 130*
Bromofluorobenzene	*102*		*71 - 131*
Toluene-d8 (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*108*		*80 - 120*

Lab Sample ID: MB 460-466535/8
Matrix: Water
Analysis Batch: 466535

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			10/03/17 08:48	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			10/03/17 08:48	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			10/03/17 08:48	1

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-466535/8
Matrix: Water
Analysis Batch: 466535

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			10/03/17 08:48	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			10/03/17 08:48	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			10/03/17 08:48	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			10/03/17 08:48	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			10/03/17 08:48	1
2-Butanone	2.2	U	5.0	2.2	ug/L			10/03/17 08:48	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			10/03/17 08:48	1
MIBK	0.63	U	5.0	0.63	ug/L			10/03/17 08:48	1
Acetone	1.1	U	5.0	1.1	ug/L			10/03/17 08:48	1
Benzene	0.090	U	1.0	0.090	ug/L			10/03/17 08:48	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			10/03/17 08:48	1
Bromoform	0.18	U	1.0	0.18	ug/L			10/03/17 08:48	1
Bromomethane	0.18	U	1.0	0.18	ug/L			10/03/17 08:48	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			10/03/17 08:48	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			10/03/17 08:48	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			10/03/17 08:48	1
Chloroethane	0.37	U	1.0	0.37	ug/L			10/03/17 08:48	1
Chloroform	0.22	U	1.0	0.22	ug/L			10/03/17 08:48	1
Chloromethane	0.22	U	1.0	0.22	ug/L			10/03/17 08:48	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			10/03/17 08:48	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			10/03/17 08:48	1
Dibromochloromethane	0.22	U	1.0	0.22	ug/L			10/03/17 08:48	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			10/03/17 08:48	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			10/03/17 08:48	1
Styrene	0.17	U	1.0	0.17	ug/L			10/03/17 08:48	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			10/03/17 08:48	1
Toluene	0.25	U	1.0	0.25	ug/L			10/03/17 08:48	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			10/03/17 08:48	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			10/03/17 08:48	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			10/03/17 08:48	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			10/03/17 08:48	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			10/03/17 08:48	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/03/17 08:48*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*48 - 130*		*10/03/17 08:48*	*1*
Bromofluorobenzene	*96*		*71 - 131*		*10/03/17 08:48*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/03/17 08:48*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*10/03/17 08:48*	*1*

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-466535/5
Matrix: Water
Analysis Batch: 466535

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	21.3		ug/L		106	52 - 162
1,1,2,2-Tetrachloroethane	20.0	19.2		ug/L		96	46 - 147
1,1,2-Trichloroethane	20.0	20.0		ug/L		100	52 - 150
1,1-Dichloroethane	20.0	19.8		ug/L		99	59 - 155
1,1-Dichloroethene	20.0	23.0		ug/L		115	0 - 234
1,2-Dichloroethane	20.0	20.0		ug/L		100	49 - 155
1,2-Dichloropropane	20.0	19.2		ug/L		96	0 - 210
1,4-Dioxane	400	407		ug/L		102	71 - 150
2-Butanone	100	133		ug/L		133	57 - 144
2-Hexanone	100	110		ug/L		110	60 - 137
MIBK	100	106		ug/L		106	73 - 124
Acetone	100	108		ug/L		108	48 - 143
Benzene	20.0	19.7		ug/L		99	37 - 151
Bromodichloromethane	20.0	19.9		ug/L		100	35 - 155
Bromoform	20.0	18.2		ug/L		91	45 - 169
Bromomethane	20.0	23.5		ug/L		117	0 - 242
Carbon disulfide	20.0	19.9		ug/L		100	51 - 144
Carbon tetrachloride	20.0	21.9		ug/L		109	70 - 140
Chlorobenzene	20.0	21.8		ug/L		109	37 - 160
Chloroethane	20.0	20.5		ug/L		102	14 - 230
Chloroform	20.0	21.2		ug/L		106	51 - 138
Chloromethane	20.0	15.4		ug/L		77	0 - 273
cis-1,2-Dichloroethene	20.0	21.5		ug/L		108	80 - 120
cis-1,3-Dichloropropene	20.0	18.3		ug/L		92	0 - 227
Dibromochloromethane	20.0	20.2		ug/L		101	53 - 149
Ethylbenzene	20.0	20.6		ug/L		103	37 - 162
Methylene Chloride	20.0	21.0		ug/L		105	0 - 221
Styrene	20.0	19.4		ug/L		97	80 - 126
Tetrachloroethene	20.0	22.1		ug/L		111	78 - 121
Toluene	20.0	19.5		ug/L		98	78 - 120
trans-1,2-Dichloroethene	20.0	21.8		ug/L		109	54 - 156
trans-1,3-Dichloropropene	20.0	17.4		ug/L		87	17 - 183
Trichloroethene	20.0	21.6		ug/L		108	71 - 157
Vinyl chloride	20.0	18.5		ug/L		93	0 - 251
Xylenes, Total	40.0	39.7		ug/L		99	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*48 - 130*
Bromofluorobenzene	*109*		*71 - 131*
Toluene-d8 (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*117*		*80 - 120*

Lab Sample ID: LCSD 460-466535/60
Matrix: Water
Analysis Batch: 466535

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	21.5		ug/L		108	52 - 162	1	30

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-466535/60
Matrix: Water
Analysis Batch: 466535

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	19.0		ug/L		95	46 - 147	1	30
1,1,2-Trichloroethane			20.0	19.9		ug/L		100	52 - 150	0	30
1,1-Dichloroethane			20.0	20.5		ug/L		103	59 - 155	3	30
1,1-Dichloroethene			20.0	23.8		ug/L		119	0 - 234	3	30
1,2-Dichloroethane			20.0	20.2		ug/L		101	49 - 155	1	30
1,2-Dichloropropane			20.0	18.7		ug/L		94	0 - 210	2	30
1,4-Dioxane			400	423		ug/L		106	71 - 150	4	30
2-Butanone			100	128		ug/L		128	57 - 144	3	30
2-Hexanone			100	103		ug/L		103	60 - 137	7	30
MIBK			100	107		ug/L		107	73 - 124	0	30
Acetone			100	111		ug/L		111	48 - 143	3	30
Benzene			20.0	20.2		ug/L		101	37 - 151	3	30
Bromodichloromethane			20.0	19.3		ug/L		97	35 - 155	3	30
Bromoform			20.0	18.8		ug/L		94	45 - 169	3	30
Bromomethane			20.0	25.8		ug/L		129	0 - 242	9	30
Carbon disulfide			20.0	19.7		ug/L		99	51 - 144	1	30
Carbon tetrachloride			20.0	22.2		ug/L		111	70 - 140	1	30
Chlorobenzene			20.0	21.6		ug/L		108	37 - 160	1	30
Chloroethane			20.0	22.2		ug/L		111	14 - 230	8	30
Chloroform			20.0	22.1		ug/L		111	51 - 138	4	30
Chloromethane			20.0	15.6		ug/L		78	0 - 273	1	30
cis-1,2-Dichloroethene			20.0	22.2		ug/L		111	80 - 120	3	30
cis-1,3-Dichloropropene			20.0	16.7		ug/L		83	0 - 227	9	30
Dibromochloromethane			20.0	20.2		ug/L		101	53 - 149	0	30
Ethylbenzene			20.0	20.5		ug/L		102	37 - 162	0	30
Methylene Chloride			20.0	22.3		ug/L		111	0 - 221	6	30
Styrene			20.0	19.7		ug/L		99	80 - 126	2	30
Tetrachloroethene			20.0	21.6		ug/L		108	78 - 121	2	30
Toluene			20.0	19.3		ug/L		97	78 - 120	1	30
trans-1,2-Dichloroethene			20.0	22.6		ug/L		113	54 - 156	4	30
trans-1,3-Dichloropropene			20.0	15.9		ug/L		79	17 - 183	9	30
Trichloroethene			20.0	21.0		ug/L		105	71 - 157	3	30
Vinyl chloride			20.0	18.5		ug/L		93	0 - 251	0	30
Xylenes, Total			40.0	40.3		ug/L		101	80 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*48 - 130*
Bromofluorobenzene	*107*		*71 - 131*
Toluene-d8 (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*116*		*80 - 120*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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 2017

TestAmerica Job ID: 460-141629-1

GC/MS VOA

Analysis Batch: 465797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-141629-1	Trip Blank	Total/NA	Water	624	
460-141629-2	FB	Total/NA	Water	624	
460-141629-3	PZ-23	Total/NA	Water	624	
460-141629-7	MW-71	Total/NA	Water	624	
MB 460-465797/8	Method Blank	Total/NA	Water	624	
LCS 460-465797/4	Lab Control Sample	Total/NA	Water	624	
460-141753-C-1 MS	Matrix Spike	Total/NA	Water	624	
460-141753-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	624	

Analysis Batch: 466054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-141629-5	MW-31	Total/NA	Water	624	
MB 460-466054/8	Method Blank	Total/NA	Water	624	
LCS 460-466054/4	Lab Control Sample	Total/NA	Water	624	
460-141629-5 MS	MW-31	Total/NA	Water	624	
460-141629-5 MSD	MW-31	Total/NA	Water	624	

Analysis Batch: 466535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-141629-4	MW-36	Total/NA	Water	624	
460-141629-6	MW-24	Total/NA	Water	624	
MB 460-466535/8	Method Blank	Total/NA	Water	624	
LCS 460-466535/5	Lab Control Sample	Total/NA	Water	624	
LCSD 460-466535/60	Lab Control Sample Dup	Total/NA	Water	624	

Lab Chronicle

Client: ECM, Inc.
Project/Site: 1192- AGWM 2017

TestAmerica Job ID: 460-141629-1

Client Sample ID: Trip Blank — Lab Sample ID: 460-141629-1

Date Collected: 09/19/17 00:00 — **Matrix: Water**
Date Received: 09/21/17 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	465797	09/30/17 03:07	CJM	TAL EDI

Client Sample ID: FB — Lab Sample ID: 460-141629-2

Date Collected: 09/20/17 09:35 — **Matrix: Water**
Date Received: 09/21/17 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	465797	09/30/17 03:30	CJM	TAL EDI

Client Sample ID: PZ-23 — Lab Sample ID: 460-141629-3

Date Collected: 09/20/17 09:40 — **Matrix: Water**
Date Received: 09/21/17 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	465797	09/30/17 03:53	CJM	TAL EDI

Client Sample ID: MW-36 — Lab Sample ID: 460-141629-4

Date Collected: 09/20/17 10:25 — **Matrix: Water**
Date Received: 09/21/17 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	466535	10/03/17 20:47	CJM	TAL EDI

Client Sample ID: MW-31 — Lab Sample ID: 460-141629-5

Date Collected: 09/20/17 11:10 — **Matrix: Water**
Date Received: 09/21/17 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	466054	09/30/17 23:32	AAT	TAL EDI

Client Sample ID: MW-24 — Lab Sample ID: 460-141629-6

Date Collected: 09/20/17 12:00 — **Matrix: Water**
Date Received: 09/21/17 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	466535	10/03/17 21:10	CJM	TAL EDI

Lab Chronicle

Client: ECM, Inc.
Project/Site: 1192- AGWM 2017

TestAmerica Job ID: 460-141629-1

Client Sample ID: MW-71
Date Collected: 09/20/17 12:35
Date Received: 09/21/17 10:25

Lab Sample ID: 460-141629-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	465797	09/30/17 05:01	CJM	TAL EDI

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: ECM, Inc.
Project/Site: 1192- AGWM 2017

TestAmerica Job ID: 460-141629-1

Laboratory: TestAmerica Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New Jersey	NELAP	2	12028	06-30-18
New York	NELAP	2	11452	04-01-18

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
624		Water	1,4-Dioxane
624		Water	2-Butanone
624		Water	2-Hexanone
624		Water	Acetone
624		Water	Carbon disulfide
624		Water	MIBK

Pennsylvania	NELAP	3	68-00522	02-28-18

Method 624

Volatile Organic Compounds (GC/MS) by Method 624

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-141629-1

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 #
Trip Blank	460-141629-1	114	93	102	109
FB	460-141629-2	110	94	101	105
PZ-23	460-141629-3	105	89	93	101
MW-36	460-141629-4	121 X	102	101	106
MW-31	460-141629-5	112	99	101	103
MW-24	460-141629-6	116	103	98	104
MW-71	460-141629-7	108	93	98	104
	MB 460-465797/8	97	85	93	95
	MB 460-466054/8	106	94	102	105
	MB 460-466535/8	105	98	95	96
	LCS 460-465797/4	104	92	99	102
	LCS 460-466054/4	106	92	101	104
	LCS 460-466535/5	117	106	106	109
	LCSD 460-466535/60	116	101	101	107
MW-31 MS	460-141629-5 MS	112	100	103	107
	460-141753-C-1 MS	117	96	108	114
MW-31 MSD	460-141629-5 MSD	108	95	100	102
	460-141753-C-1 MSD	115	97	106	112

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	80-120
DCA = 1,2-Dichloroethane-d4 (Surr)	48-130
TOL = Toluene-d8 (Surr)	80-120
BFB = Bromofluorobenzene	71-131

Column to be used to flag recovery values

FORM II 624

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A46495.D

Lab ID: LCS 460-465797/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	19.5	97	52-162	
1,1,2,2-Tetrachloroethane	20.0	19.3	96	46-147	
1,1,2-Trichloroethane	20.0	19.9	99	52-150	
1,1-Dichloroethane	20.0	18.9	94	59-155	
1,1-Dichloroethene	20.0	22.7	114	0-234	
1,2-Dichloroethane	20.0	18.6	93	49-155	
1,2-Dichloropropane	20.0	18.7	94	0-210	
1,4-Dioxane	400	420	105	71-150	
2-Butanone	100	128	128	57-144	
2-Hexanone	100	106	106	60-137	
MIBK	100	99.6	100	73-124	
Acetone	100	107	107	48-143	
Benzene	20.0	19.2	96	37-151	
Bromodichloromethane	20.0	18.9	94	35-155	
Bromoform	20.0	19.6	98	45-169	
Bromomethane	20.0	22.6	113	0-242	
Carbon disulfide	20.0	18.6	93	51-144	
Carbon tetrachloride	20.0	19.8	99	70-140	
Chlorobenzene	20.0	21.3	106	37-160	
Chloroethane	20.0	19.8	99	14-230	
Chloroform	20.0	19.7	99	51-138	
Chloromethane	20.0	14.9	75	0-273	
cis-1,2-Dichloroethene	20.0	20.4	102	80-120	
cis-1,3-Dichloropropene	20.0	18.8	94	0-227	
Dibromochloromethane	20.0	20.5	102	53-149	
Ethylbenzene	20.0	20.1	101	37-162	
Methylene Chloride	20.0	20.3	102	0-221	
Styrene	20.0	17.1	85	80-126	
Tetrachloroethene	20.0	21.9	109	78-121	
Toluene	20.0	19.3	97	78-120	
trans-1,2-Dichloroethene	20.0	20.7	103	54-156	
trans-1,3-Dichloropropene	20.0	18.0	90	17-183	
Trichloroethene	20.0	20.4	102	71-157	
Vinyl chloride	20.0	17.6	88	0-251	
Xylenes, Total	40.0	39.9	100	80-120	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A46555.D

Lab ID: LCS 460-466054/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	19.7	99	52-162	
1,1,2,2-Tetrachloroethane	20.0	19.3	97	46-147	
1,1,2-Trichloroethane	20.0	20.2	101	52-150	
1,1-Dichloroethane	20.0	19.5	98	59-155	
1,1-Dichloroethene	20.0	22.8	114	0-234	
1,2-Dichloroethane	20.0	19.0	95	49-155	
1,2-Dichloropropane	20.0	19.5	98	0-210	
1,4-Dioxane	400	441	110	71-150	
2-Butanone	100	134	134	57-144	
2-Hexanone	100	112	112	60-137	
MIBK	100	106	106	73-124	
Acetone	100	110	110	48-143	
Benzene	20.0	19.6	98	37-151	
Bromodichloromethane	20.0	19.9	100	35-155	
Bromoform	20.0	20.0	100	45-169	
Bromomethane	20.0	26.7	133	0-242	
Carbon disulfide	20.0	18.5	92	51-144	
Carbon tetrachloride	20.0	19.9	99	70-140	
Chlorobenzene	20.0	22.4	112	37-160	
Chloroethane	20.0	22.9	114	14-230	
Chloroform	20.0	20.6	103	51-138	
Chloromethane	20.0	18.0	90	0-273	
cis-1,2-Dichloroethene	20.0	21.9	109	80-120	
cis-1,3-Dichloropropene	20.0	19.8	99	0-227	
Dibromochloromethane	20.0	21.6	108	53-149	
Ethylbenzene	20.0	20.4	102	37-162	
Methylene Chloride	20.0	20.9	104	0-221	
Styrene	20.0	20.0	100	80-126	
Tetrachloroethene	20.0	22.4	112	78-121	
Toluene	20.0	19.9	100	78-120	
trans-1,2-Dichloroethene	20.0	21.7	108	54-156	
trans-1,3-Dichloropropene	20.0	19.3	96	17-183	
Trichloroethene	20.0	21.1	105	71-157	
Vinyl chloride	20.0	20.4	102	0-251	
Xylenes, Total	40.0	41.2	103	80-120	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A46711.D

Lab ID: LCS 460-466535/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	21.3	106	52-162	
1,1,2,2-Tetrachloroethane	20.0	19.2	96	46-147	
1,1,2-Trichloroethane	20.0	20.0	100	52-150	
1,1-Dichloroethane	20.0	19.8	99	59-155	
1,1-Dichloroethene	20.0	23.0	115	0-234	
1,2-Dichloroethane	20.0	20.0	100	49-155	
1,2-Dichloropropane	20.0	19.2	96	0-210	
1,4-Dioxane	400	407	102	71-150	
2-Butanone	100	133	133	57-144	
2-Hexanone	100	110	110	60-137	
MIBK	100	106	106	73-124	
Acetone	100	108	108	48-143	
Benzene	20.0	19.7	99	37-151	
Bromodichloromethane	20.0	19.9	100	35-155	
Bromoform	20.0	18.2	91	45-169	
Bromomethane	20.0	23.5	117	0-242	
Carbon disulfide	20.0	19.9	100	51-144	
Carbon tetrachloride	20.0	21.9	109	70-140	
Chlorobenzene	20.0	21.8	109	37-160	
Chloroethane	20.0	20.5	102	14-230	
Chloroform	20.0	21.2	106	51-138	
Chloromethane	20.0	15.4	77	0-273	
cis-1,2-Dichloroethene	20.0	21.5	108	80-120	
cis-1,3-Dichloropropene	20.0	18.3	92	0-227	
Dibromochloromethane	20.0	20.2	101	53-149	
Ethylbenzene	20.0	20.6	103	37-162	
Methylene Chloride	20.0	21.0	105	0-221	
Styrene	20.0	19.4	97	80-126	
Tetrachloroethene	20.0	22.1	111	78-121	
Toluene	20.0	19.5	98	78-120	
trans-1,2-Dichloroethene	20.0	21.8	109	54-156	
trans-1,3-Dichloropropene	20.0	17.4	87	17-183	
Trichloroethene	20.0	21.6	108	71-157	
Vinyl chloride	20.0	18.5	93	0-251	
Xylenes, Total	40.0	39.7	99	80-120	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A46733.D

Lab ID: LCSD 460-466535/60 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	21.5	108	1	30	52-162	
1,1,2,2-Tetrachloroethane	20.0	19.0	95	1	30	46-147	
1,1,2-Trichloroethane	20.0	19.9	100	0	30	52-150	
1,1-Dichloroethane	20.0	20.5	103	3	30	59-155	
1,1-Dichloroethene	20.0	23.8	119	3	30	0-234	
1,2-Dichloroethane	20.0	20.2	101	1	30	49-155	
1,2-Dichloropropane	20.0	18.7	94	2	30	0-210	
1,4-Dioxane	400	423	106	4	30	71-150	
2-Butanone	100	128	128	3	30	57-144	
2-Hexanone	100	103	103	7	30	60-137	
MIBK	100	107	107	0	30	73-124	
Acetone	100	111	111	3	30	48-143	
Benzene	20.0	20.2	101	3	30	37-151	
Bromodichloromethane	20.0	19.3	97	3	30	35-155	
Bromoform	20.0	18.8	94	3	30	45-169	
Bromomethane	20.0	25.8	129	9	30	0-242	
Carbon disulfide	20.0	19.7	99	1	30	51-144	
Carbon tetrachloride	20.0	22.2	111	1	30	70-140	
Chlorobenzene	20.0	21.6	108	1	30	37-160	
Chloroethane	20.0	22.2	111	8	30	14-230	
Chloroform	20.0	22.1	111	4	30	51-138	
Chloromethane	20.0	15.6	78	1	30	0-273	
cis-1,2-Dichloroethene	20.0	22.2	111	3	30	80-120	
cis-1,3-Dichloropropene	20.0	16.7	83	9	30	0-227	
Dibromochloromethane	20.0	20.2	101	0	30	53-149	
Ethylbenzene	20.0	20.5	102	0	30	37-162	
Methylene Chloride	20.0	22.3	111	6	30	0-221	
Styrene	20.0	19.7	99	2	30	80-126	
Tetrachloroethene	20.0	21.6	108	2	30	78-121	
Toluene	20.0	19.3	97	1	30	78-120	
trans-1,2-Dichloroethene	20.0	22.6	113	4	30	54-156	
trans-1,3-Dichloropropene	20.0	15.9	79	9	30	17-183	
Trichloroethene	20.0	21.0	105	3	30	71-157	
Vinyl chloride	20.0	18.5	93	0	30	0-251	
Xylenes, Total	40.0	40.3	101	2	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A46595.D

Lab ID: 460-141629-5 MS Client ID: MW-31 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	200	0.28 U	203	102	52-162	
1,1,2,2-Tetrachloroethane	200	0.19 U	194	97	46-147	
1,1,2-Trichloroethane	200	0.080 U	203	102	52-150	
1,1-Dichloroethane	200	0.26 J	194	97	59-155	
1,1-Dichloroethene	200	0.34 U	237	118	0-234	
1,2-Dichloroethane	200	0.25 U	193	97	49-155	
1,2-Dichloropropane	200	0.18 U	187	94	0-210	
1,4-Dioxane	4000	8.7 U	4300	107	71-150	
2-Butanone	1000	2.2 U	1300	130	57-144	
2-Hexanone	1000	0.72 U	1040	104	60-137	
MIBK	1000	0.63 U	1010	101	73-124	
Acetone	1000	1.1 U	1160	116	48-143	
Benzene	200	3.3	196	96	37-151	
Bromodichloromethane	200	0.15 U	180	90	35-155	
Bromoform	200	0.18 U	155	78	45-169	
Bromomethane	200	0.18 U	289	145	0-242	
Carbon disulfide	200	0.22 U	148	74	51-144	
Carbon tetrachloride	200	0.33 U	200	100	70-140	
Chlorobenzene	200	200	362	79	37-160	
Chloroethane	200	39	280	120	14-230	
Chloroform	200	0.22 U	208	104	51-138	
Chloromethane	200	0.22 U	179	89	0-273	
cis-1,2-Dichloroethene	200	0.26 U	211	106	80-120	
cis-1,3-Dichloropropene	200	0.16 U	166	83	0-227	
Dibromochloromethane	200	0.22 U	184	92	53-149	
Ethylbenzene	200	0.30 U	195	97	37-162	
Methylene Chloride	200	0.21 U	216	108	0-221	
Styrene	200	0.17 U	176	88	80-126	
Tetrachloroethene	200	0.12 U	209	104	78-121	
Toluene	200	0.49 J	190	95	78-120	
trans-1,2-Dichloroethene	200	0.18 U	211	105	54-156	
trans-1,3-Dichloropropene	200	0.19 U	159	80	17-183	
Trichloroethene	200	0.22 U	203	101	71-157	
Vinyl chloride	200	0.060 U	210	105	0-251	
Xylenes, Total	400	0.28 U	394	98	80-120	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A46526.D

Lab ID: 460-141753-C-1 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	200	0.28 U	194	97	52-162	
1,1,2,2-Tetrachloroethane	200	0.19 U	175	87	46-147	
1,1,2-Trichloroethane	200	0.080 U	187	93	52-150	
1,1-Dichloroethane	200	0.24 U	194	97	59-155	
1,1-Dichloroethene	200	0.34 U	218	109	0-234	
1,2-Dichloroethane	200	0.25 U	180	90	49-155	
1,2-Dichloropropane	200	0.18 U	176	88	0-210	
1,4-Dioxane	4000	8.7 U	1500	37	71-150	F1
2-Butanone	1000	2.2 U	1230	123	57-144	
2-Hexanone	1000	0.72 U	1080	108	60-137	
MIBK	1000	0.63 U	1110	111	73-124	
Acetone	1000	2.9 J	1080	108	48-143	
Benzene	200	0.090 U	199	99	37-151	
Bromodichloromethane	200	0.15 U	172	86	35-155	
Bromoform	200	0.18 U	181	90	45-169	
Bromomethane	200	0.18 U	250	125	0-242	
Carbon disulfide	200	0.22 U	178	89	51-144	
Carbon tetrachloride	200	0.33 U	188	94	70-140	
Chlorobenzene	200	0.24 U	204	102	37-160	
Chloroethane	200	0.37 U	196	98	14-230	
Chloroform	200	0.22 U	205	102	51-138	
Chloromethane	200	0.22 U	170	85	0-273	
cis-1,2-Dichloroethene	200	0.26 U	214	107	80-120	
cis-1,3-Dichloropropene	200	0.16 U	162	81	0-227	
Dibromochloromethane	200	0.22 U	187	94	53-149	
Ethylbenzene	200	0.30 U	196	98	37-162	
Methylene Chloride	200	0.21 U	210	105	0-221	
Styrene	200	0.17 U	194	97	80-126	
Tetrachloroethene	200	0.12 U	205	103	78-121	
Toluene	200	0.25 U	187	93	78-120	
trans-1,2-Dichloroethene	200	0.18 U	209	104	54-156	
trans-1,3-Dichloropropene	200	0.19 U	150	75	17-183	
Trichloroethene	200	0.22 U	191	96	71-157	
Vinyl chloride	200	0.060 U	190	95	0-251	
Xylenes, Total	400	0.28 U	393	98	80-120	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A46596.D

Lab ID: 460-141629-5 MSD Client ID: MW-31 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	200	200	100	1	30	52-162	
1,1,2,2-Tetrachloroethane	200	191	95	2	30	46-147	
1,1,2-Trichloroethane	200	197	99	3	30	52-150	
1,1-Dichloroethane	200	197	98	2	30	59-155	
1,1-Dichloroethene	200	236	118	0	30	0-234	
1,2-Dichloroethane	200	196	98	1	30	49-155	
1,2-Dichloropropane	200	192	96	2	30	0-210	
1,4-Dioxane	4000	4570	114	6	30	71-150	
2-Butanone	1000	1310	131	1	30	57-144	
2-Hexanone	1000	1020	102	2	30	60-137	
MIBK	1000	1020	102	1	30	73-124	
Acetone	1000	1120	112	4	30	48-143	
Benzene	200	195	96	0	30	37-151	
Bromodichloromethane	200	182	91	1	30	35-155	
Bromoform	200	160	80	3	30	45-169	
Bromomethane	200	299	150	3	30	0-242	
Carbon disulfide	200	153	76	3	30	51-144	
Carbon tetrachloride	200	197	98	2	30	70-140	
Chlorobenzene	200	360	78	1	30	37-160	
Chloroethane	200	284	122	1	30	14-230	
Chloroform	200	207	103	0	30	51-138	
Chloromethane	200	181	91	1	30	0-273	
cis-1,2-Dichloroethene	200	213	106	1	30	80-120	
cis-1,3-Dichloropropene	200	167	83	0	30	0-227	
Dibromochloromethane	200	179	90	2	30	53-149	
Ethylbenzene	200	201	100	3	30	37-162	
Methylene Chloride	200	216	108	0	30	0-221	
Styrene	200	180	90	2	30	80-126	
Tetrachloroethene	200	209	105	0	30	78-121	
Toluene	200	191	95	0	30	78-120	
trans-1,2-Dichloroethene	200	215	108	2	30	54-156	
trans-1,3-Dichloropropene	200	160	80	0	30	17-183	
Trichloroethene	200	200	100	1	30	71-157	
Vinyl chloride	200	213	107	2	30	0-251	
Xylenes, Total	400	392	98	1	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 624

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A46527.D

Lab ID: 460-141753-C-1 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	200	195	97	0	30	52-162	
1,1,2,2-Tetrachloroethane	200	177	89	1	30	46-147	
1,1,2-Trichloroethane	200	187	93	0	30	52-150	
1,1-Dichloroethane	200	193	96	1	30	59-155	
1,1-Dichloroethene	200	227	113	4	30	0-234	
1,2-Dichloroethane	200	172	86	5	30	49-155	
1,2-Dichloropropane	200	178	89	1	30	0-210	
1,4-Dioxane	4000	3610	90	83	30	71-150	F2
2-Butanone	1000	1230	123	0	30	57-144	
2-Hexanone	1000	1080	108	0	30	60-137	
MIBK	1000	1100	110	1	30	73-124	
Acetone	1000	1160	115	7	30	48-143	
Benzene	200	196	98	1	30	37-151	
Bromodichloromethane	200	175	87	2	30	35-155	
Bromoform	200	176	88	2	30	45-169	
Bromomethane	200	254	127	1	30	0-242	
Carbon disulfide	200	182	91	2	30	51-144	
Carbon tetrachloride	200	195	98	4	30	70-140	
Chlorobenzene	200	202	101	1	30	37-160	
Chloroethane	200	209	105	7	30	14-230	
Chloroform	200	204	102	0	30	51-138	
Chloromethane	200	166	83	2	30	0-273	
cis-1,2-Dichloroethene	200	216	108	1	30	80-120	
cis-1,3-Dichloropropene	200	166	83	3	30	0-227	
Dibromochloromethane	200	190	95	2	30	53-149	
Ethylbenzene	200	195	98	0	30	37-162	
Methylene Chloride	200	210	105	0	30	0-221	
Styrene	200	193	96	0	30	80-126	
Tetrachloroethene	200	203	101	1	30	78-121	
Toluene	200	187	93	0	30	78-120	
trans-1,2-Dichloroethene	200	214	107	3	30	54-156	
trans-1,3-Dichloropropene	200	154	77	2	30	17-183	
Trichloroethene	200	190	95	0	30	71-157	
Vinyl chloride	200	189	94	1	30	0-251	
Xylenes, Total	400	388	97	1	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 624

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Lab File ID: A46499.D Lab Sample ID: MB 460-465797/8

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

Instrument ID: CVOAMS1 Date Analyzed: 09/29/2017 10:08

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 460-465797/4	A46495.D	09/29/2017 08:36
	460-141753-C-1 MS	A46526.D	09/29/2017 20:38
	460-141753-C-1 MSD	A46527.D	09/29/2017 21:01
Trip Blank	460-141629-1	A46543.D	09/30/2017 03:07
FB	460-141629-2	A46544.D	09/30/2017 03:30
PZ-23	460-141629-3	A46545.D	09/30/2017 03:53
MW-71	460-141629-7	A46548.D	09/30/2017 05:01

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Lab File ID: A46559.D Lab Sample ID: MB 460-466054/8

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

Instrument ID: CVOAMS1 Date Analyzed: 09/30/2017 10:11

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 460-466054/4	A46555.D	09/30/2017 08:31
MW-31	460-141629-5	A46594.D	09/30/2017 23:32
MW-31 MS	460-141629-5 MS	A46595.D	09/30/2017 23:55
MW-31 MSD	460-141629-5 MSD	A46596.D	10/01/2017 00:17

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Lab File ID: A46714.D Lab Sample ID: MB 460-466535/8

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

Instrument ID: CVOAMS1 Date Analyzed: 10/03/2017 08:48

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 460-466535/5	A46711.D	10/03/2017 07:39
	LCSD 460-466535/60	A46733.D	10/03/2017 16:09
MW-36	460-141629-4	A46747.D	10/03/2017 20:47
MW-24	460-141629-6	A46748.D	10/03/2017 21:10

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

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Lab File ID: A43573.D BFB Injection Date: 08/07/2017

Instrument ID: CVOAMS1 BFB Injection Time: 05:50

Analysis Batch No.: 454421

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.5	
75	30.0 - 60.0 % of mass 95	48.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.4	
173	Less than 2.0 % of mass 174	0.3	(0.4) 1
174	50.0 - 120.00 % of mass 95	80.1	
175	5.0 - 9.0 % of mass 174	6.6	(8.3) 1
176	95.0 - 101.0 % of mass 174	79.4	(99.1) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.9) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8 460-454421/2	A43574.D	08/07/2017	06:15
	STD1 460-454421/4	A43576.D	08/07/2017	07:01
	STD5 460-454421/5	A43577.D	08/07/2017	07:23
	STD20 460-454421/6	A43578.D	08/07/2017	07:46
	STD50 460-454421/7	A43579.D	08/07/2017	08:09
	STD200 460-454421/8	A43580.D	08/07/2017	08:31
	STD500 460-454421/9	A43581.D	08/07/2017	08:54

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

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Lab File ID: A46492.D BFB Injection Date: 09/29/2017

Instrument ID: CVOAMS1 BFB Injection Time: 07:26

Analysis Batch No.: 465797

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.6	
75	30.0 - 60.0 % of mass 95	41.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.3	(0.4) 1
174	50.0 - 120.00 % of mass 95	89.5	
175	5.0 - 9.0 % of mass 174	7.2	(8.0) 1
176	95.0 - 101.0 % of mass 174	85.6	(95.7) 1
177	5.0 - 9.0 % of mass 176	5.8	(6.8) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-465797/3	A46494.D	09/29/2017	08:13
	LCS 460-465797/4	A46495.D	09/29/2017	08:36
	MB 460-465797/8	A46499.D	09/29/2017	10:08
	460-141753-C-1 MS	A46526.D	09/29/2017	20:38
	460-141753-C-1 MSD	A46527.D	09/29/2017	21:01
Trip Blank	460-141629-1	A46543.D	09/30/2017	03:07
FB	460-141629-2	A46544.D	09/30/2017	03:30
PZ-23	460-141629-3	A46545.D	09/30/2017	03:53
MW-71	460-141629-7	A46548.D	09/30/2017	05:01

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

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Lab File ID: A46552.D BFB Injection Date: 09/30/2017

Instrument ID: CVOAMS1 BFB Injection Time: 06:56

Analysis Batch No.: 466054

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.9	
75	30.0 - 60.0 % of mass 95	44.4	
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	0.3	(0.3) 1
174	50.0 - 120.00 % of mass 95	89.1	
175	5.0 - 9.0 % of mass 174	7.1	(7.9) 1
176	95.0 - 101.0 % of mass 174	88.6	(99.4) 1
177	5.0 - 9.0 % of mass 176	6.0	(6.8) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-466054/3	A46554.D	09/30/2017	08:08
	LCS 460-466054/4	A46555.D	09/30/2017	08:31
	MB 460-466054/8	A46559.D	09/30/2017	10:11
MW-31	460-141629-5	A46594.D	09/30/2017	23:32
MW-31 MS	460-141629-5 MS	A46595.D	09/30/2017	23:55
MW-31 MSD	460-141629-5 MSD	A46596.D	10/01/2017	00:17

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

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Lab File ID: A46707.D BFB Injection Date: 10/03/2017

Instrument ID: CVOAMS1 BFB Injection Time: 06:08

Analysis Batch No.: 466535

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.5	
75	30.0 - 60.0 % of mass 95	44.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	92.3	
175	5.0 - 9.0 % of mass 174	6.4	(6.9) 1
176	95.0 - 101.0 % of mass 174	88.3	(95.6) 1
177	5.0 - 9.0 % of mass 176	5.9	(6.6) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-466535/3	A46709.D	10/03/2017	06:54
	LCS 460-466535/5	A46711.D	10/03/2017	07:39
	MB 460-466535/8	A46714.D	10/03/2017	08:48
	LCSD 460-466535/60	A46733.D	10/03/2017	16:09
MW-36	460-141629-4	A46747.D	10/03/2017	20:47
MW-24	460-141629-6	A46748.D	10/03/2017	21:10

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

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Sample No.: CCVIS 460-465797/3 Date Analyzed: 09/29/2017 08:13

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): A46494.D Heated Purge: (Y/N) N

Calibration ID: 63565

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		179996	3.37	197711	4.32	444356	5.20
UPPER LIMIT		359992	3.87	395422	4.82	888712	5.70
LOWER LIMIT		89998	2.87	98856	3.82	222178	4.70
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-465797/4		175763	3.37	189230	4.32	434101	5.20
MB 460-465797/8		173713	3.36	196233	4.32	460994	5.19
460-141753-C-1 MS		123908	3.36	141170	4.32	400804	5.20
460-141753-C-1 MSD		133356	3.37	150922	4.32	421628	5.20
460-141629-1	Trip Blank	135670	3.36	142350	4.32	404382	5.19
460-141629-2	FB	141542	3.36	157149	4.32	437590	5.19
460-141629-3	PZ-23	136911	3.36	162120	4.32	438932	5.20
460-141629-7	MW-71	146008	3.35	168115	4.32	445414	5.19

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 624

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

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Sample No.: CCVIS 460-465797/3 Date Analyzed: 09/29/2017 08:13

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): A46494.D Heated Purge: (Y/N) N

Calibration ID: 63565

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		27013	5.72	326898	7.68	200743	9.08
UPPER LIMIT		54026	6.22	653796	8.18	401486	9.58
LOWER LIMIT		13507	5.22	163449	7.18	100372	8.58
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-465797/4		25718	5.72	324648	7.68	201566	9.10
MB 460-465797/8		24502	5.72	333743	7.68	208004	9.10
460-141753-C-1 MS		17499	5.73	278716	7.68	189392	9.09
460-141753-C-1 MSD		17983	5.71	296905	7.68	200069	9.09
460-141629-1	Trip Blank	17533	5.72	279651	7.68	191629	9.08
460-141629-2	FB	18478	5.72	312722	7.68	201431	9.08
460-141629-3	PZ-23	17096	5.72	318924	7.68	206584	9.08
460-141629-7	MW-71	18003	5.71	327320	7.68	206807	9.08

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 624

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

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Sample No.: CCVIS 460-466054/3 Date Analyzed: 09/30/2017 08:08

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): A46554.D Heated Purge: (Y/N) N

Calibration ID: 63565

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		151873	3.37	197485	4.32	491551	5.19
UPPER LIMIT		303746	3.87	394970	4.82	983102	5.69
LOWER LIMIT		75937	2.87	98743	3.82	245776	4.69
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-466054/4		164121	3.37	195782	4.32	487642	5.19
MB 460-466054/8		165694	3.36	193861	4.32	481755	5.19
460-141629-5	MW-31	155230	3.37	172328	4.32	410998	5.19
460-141629-5 MS	MW-31 MS	150259	3.36	170896	4.32	409910	5.20
460-141629-5 MSD	MW-31 MSD	150304	3.36	170043	4.32	410449	5.20

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 624

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

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Sample No.: CCVIS 460-466054/3 Date Analyzed: 09/30/2017 08:08

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): A46554.D Heated Purge: (Y/N) N

Calibration ID: 63565

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		21547	5.72	364732	7.68	214938	9.09
UPPER LIMIT		43094	6.22	729464	8.18	429876	9.59
LOWER LIMIT		10774	5.22	182366	7.18	107469	8.59
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-466054/4		23388	5.73	367267	7.68	220807	9.08
MB 460-466054/8		21904	5.73	350169	7.68	212574	9.09
460-141629-5	MW-31	20728	5.72	302974	7.68	184787	9.08
460-141629-5 MS	MW-31 MS	22942	5.72	303473	7.68	192807	9.09
460-141629-5 MSD	MW-31 MSD	21648	5.72	306061	7.68	194603	9.08

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 624

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

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Sample No.: CCVIS 460-466535/3 Date Analyzed: 10/03/2017 06:54

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): A46709.D Heated Purge: (Y/N) N

Calibration ID: 63565

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		123899	3.36	150519	4.32	356347	5.19
UPPER LIMIT		247798	3.86	301038	4.82	712694	5.69
LOWER LIMIT		61950	2.86	75260	3.82	178174	4.69
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-466535/5		123711	3.37	142654	4.32	334768	5.20
MB 460-466535/8		121567	3.37	136863	4.32	325850	5.19
LCSD 460-466535/60		107779	3.35	120919	4.32	302986	5.19
460-141629-4	MW-36	98113	3.35	106719	4.32	272093	5.19
460-141629-6	MW-24	101349	3.37	114131	4.33	293032	5.20

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 624

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

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Sample No.: CCVIS 460-466535/3 Date Analyzed: 10/03/2017 06:54

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): A46709.D Heated Purge: (Y/N) N

Calibration ID: 63565

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		17029	5.72	265397	7.68	163297	9.09
UPPER LIMIT		34058	6.22	530794	8.18	326594	9.59
LOWER LIMIT		8515	5.22	132699	7.18	81649	8.59
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-466535/5		18115	5.72	251736	7.68	155773	9.10
MB 460-466535/8		16604	5.72	235546	7.68	142036	9.10
LCSD 460-466535/60		15075	5.72	216743	7.68	143759	9.10
460-141629-4	MW-36	11083	5.71	182356	7.68	126954	9.09
460-141629-6	MW-24	11927	5.73	204587	7.68	133244	9.08

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 624

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: Trip Blank | Lab Sample ID: 460-141629-1

Matrix: Water | Lab File ID: A46543.D

Analysis Method: 624 | Date Collected: 09/19/2017 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/30/2017 03:07

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.: 465797 | 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	0.92	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.: 460-141629-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 460-141629-1

Matrix: Water Lab File ID: A46543.D

Analysis Method: 624 Date Collected: 09/19/2017 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/30/2017 03:07

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.: 465797 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		48-130
460-00-4	Bromofluorobenzene	109		71-131
2037-26-5	Toluene-d8 (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	114		80-120

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

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: Trip Blank | Lab Sample ID: 460-141629-1

Matrix: Water | Lab File ID: A46543.D

Analysis Method: 624 | Date Collected: 09/19/2017 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/30/2017 03:07

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.: 465797 | 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\CVOAMS1\20170929-61064.b\A46543.D				
Lims ID:	460-141629-B-1				
Client ID:	Trip Blank				
Sample Type:	Client				
Inject. Date:	30-Sep-2017 03:07:30	ALS Bottle#:	42	Worklist Smp#:	52
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-141629-B-1				
Misc. Info.:	460-0061064-052				
Operator ID:	VOA GC/MS1	Instrument ID:	CVOAMS1		
Method:	\\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\8260624W_1.m				
Limit Group:	VOA 624 ICAL				
Last Update:	02-Oct-2017 12:20:09	Calib Date:	07-Aug-2017 08:54:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK025				
First Level Reviewer: delpolitov		Date:	02-Oct-2017 12:20:09		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
27 Methylene Chloride	84	3.347	3.353	-0.006	88	2370	0.9241	
* 28 TBA-d9 (IS)	65	3.359	3.366	-0.007	96	135670	1000.0	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	96	142350	250.0	
$ 52 Dibromofluoromethane (Surr	113	4.707	4.713	-0.006	98	121897	56.9	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	95	109551	46.7	
* 64 Fluorobenzene	96	5.194	5.195	-0.001	99	404382	50.0	
* 71 1,4-Dioxane-d8	96	5.719	5.719	0.000	83	17533	1000.0	
$ 81 Toluene-d8 (Surr)	98	6.523	6.530	-0.007	99	388526	50.8	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	83	279651	50.0	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	96	147830	54.7	
* 119 1,4-Dichlorobenzene-d4	152	9.084	9.084	0.000	93	191629	50.0	

Reagents:

8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00159	Amount Added:	1.00	Units: uL	Run Reagent

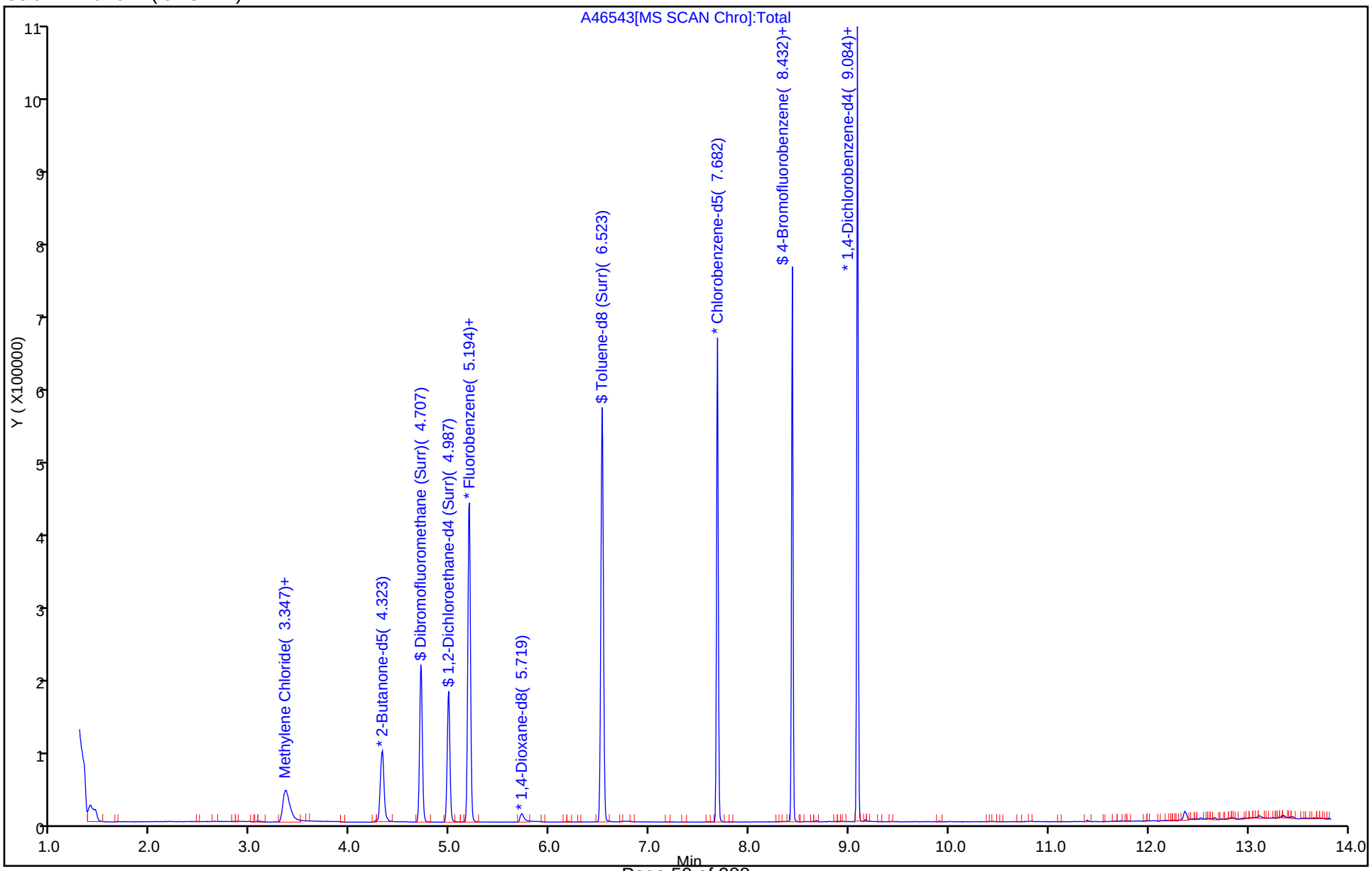
Report Date: 02-Oct-2017 12:20:09 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46543.D

Injection Date:	30-Sep-2017 03:07:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	460-141629-B-1	Lab Sample ID:	460-141629-1	Worklist Smp#:	52
Client ID:	Trip Blank				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	42
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



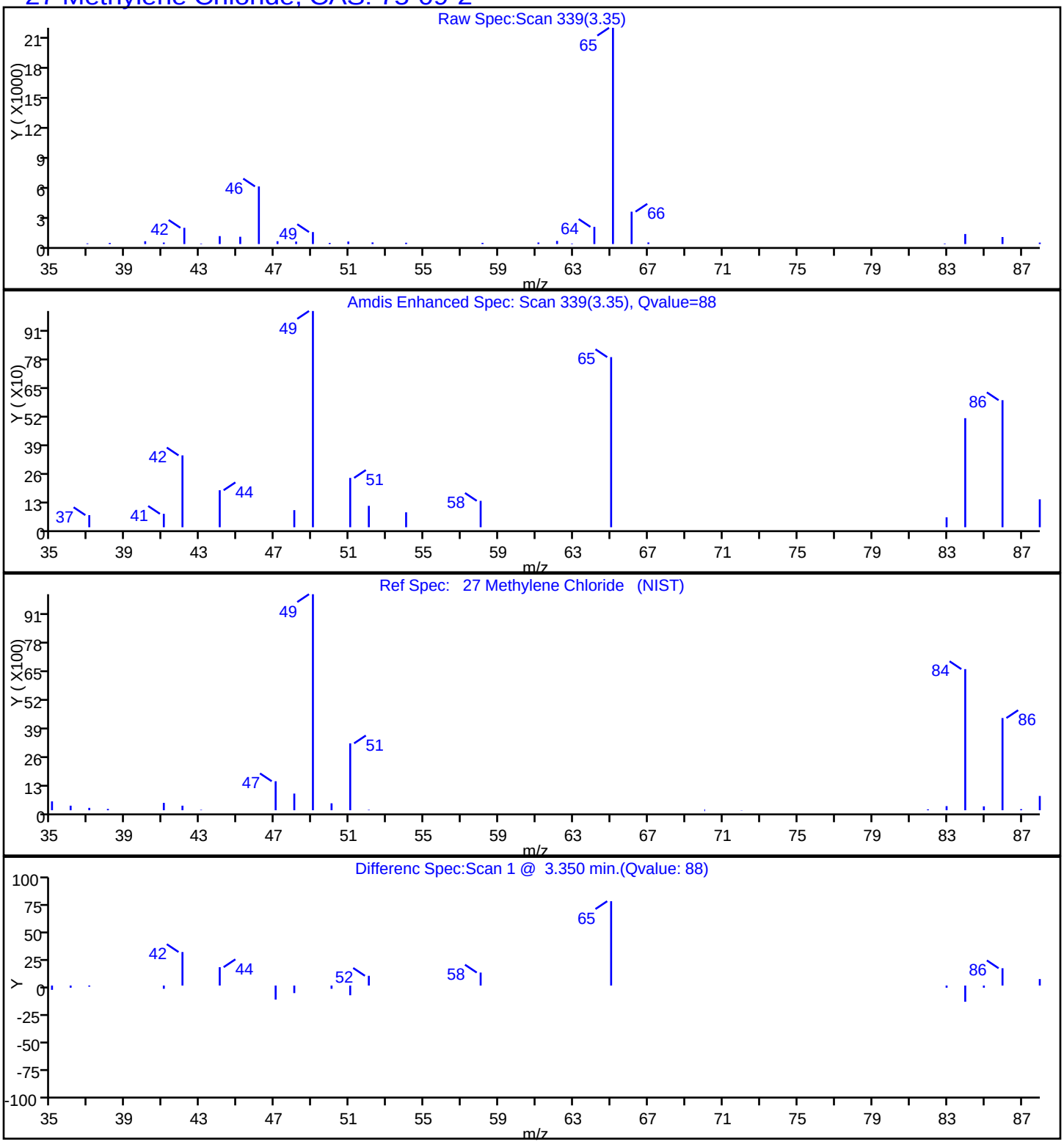
Report Date: 02-Oct-2017 12:20:10 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46543.D

Injection Date:	30-Sep-2017 03:07:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-B-1	Lab Sample ID:	460-141629-1		
Client ID:	Trip Blank				
Operator ID:	VOA GC/MS1	ALS Bottle#:	42	Worklist Smp#:	52
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: FB | Lab Sample ID: 460-141629-2

Matrix: Water | Lab File ID: A46544.D

Analysis Method: 624 | Date Collected: 09/20/2017 09:35

Sample wt/vol: 5(mL) | Date Analyzed: 09/30/2017 03:30

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.: 465797 | 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	0.93	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.: 460-141629-1

SDG No.:

Client Sample ID: FB Lab Sample ID: 460-141629-2

Matrix: Water Lab File ID: A46544.D

Analysis Method: 624 Date Collected: 09/20/2017 09:35

Sample wt/vol: 5(mL) Date Analyzed: 09/30/2017 03:30

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.: 465797 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		48-130
460-00-4	Bromofluorobenzene	105		71-131
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	110		80-120

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

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: FB | Lab Sample ID: 460-141629-2

Matrix: Water | Lab File ID: A46544.D

Analysis Method: 624 | Date Collected: 09/20/2017 09:35

Sample wt/vol: 5(mL) | Date Analyzed: 09/30/2017 03:30

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.: 465797 | 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\CVOAMS1\20170929-61064.b\A46544.D
Lims ID: 460-141629-B-2
Client ID: FB
Sample Type: Client
Inject. Date: 30-Sep-2017 03:30:30 ALS Bottle#: 43 Worklist Smp#: 53
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-141629-B-2
Misc. Info.: 460-0061064-053
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 02-Oct-2017 12:20:09 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: tupayachia Date: 30-Sep-2017 09:27:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
27 Methylene Chloride	84	3.347	3.353	-0.006	33	2568	0.9254	
* 28 TBA-d9 (IS)	65	3.359	3.366	-0.007	96	141542	1000.0	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	96	157149	250.0	
$ 52 Dibromofluoromethane (Surr	113	4.713	4.713	0.000	98	127633	55.0	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	95	118989	46.8	
* 64 Fluorobenzene	96	5.194	5.195	-0.001	99	437590	50.0	
* 71 1,4-Dioxane-d8	96	5.719	5.719	0.000	84	18478	1000.0	
$ 81 Toluene-d8 (Surr)	98	6.530	6.530	0.000	99	431663	50.4	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	84	312722	50.0	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	97	158578	52.5	
* 119 1,4-Dichlorobenzene-d4	152	9.084	9.084	0.000	93	201431	50.0	

Reagents:

8260ISNEW_00113 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00159 Amount Added: 1.00 Units: uL Run Reagent

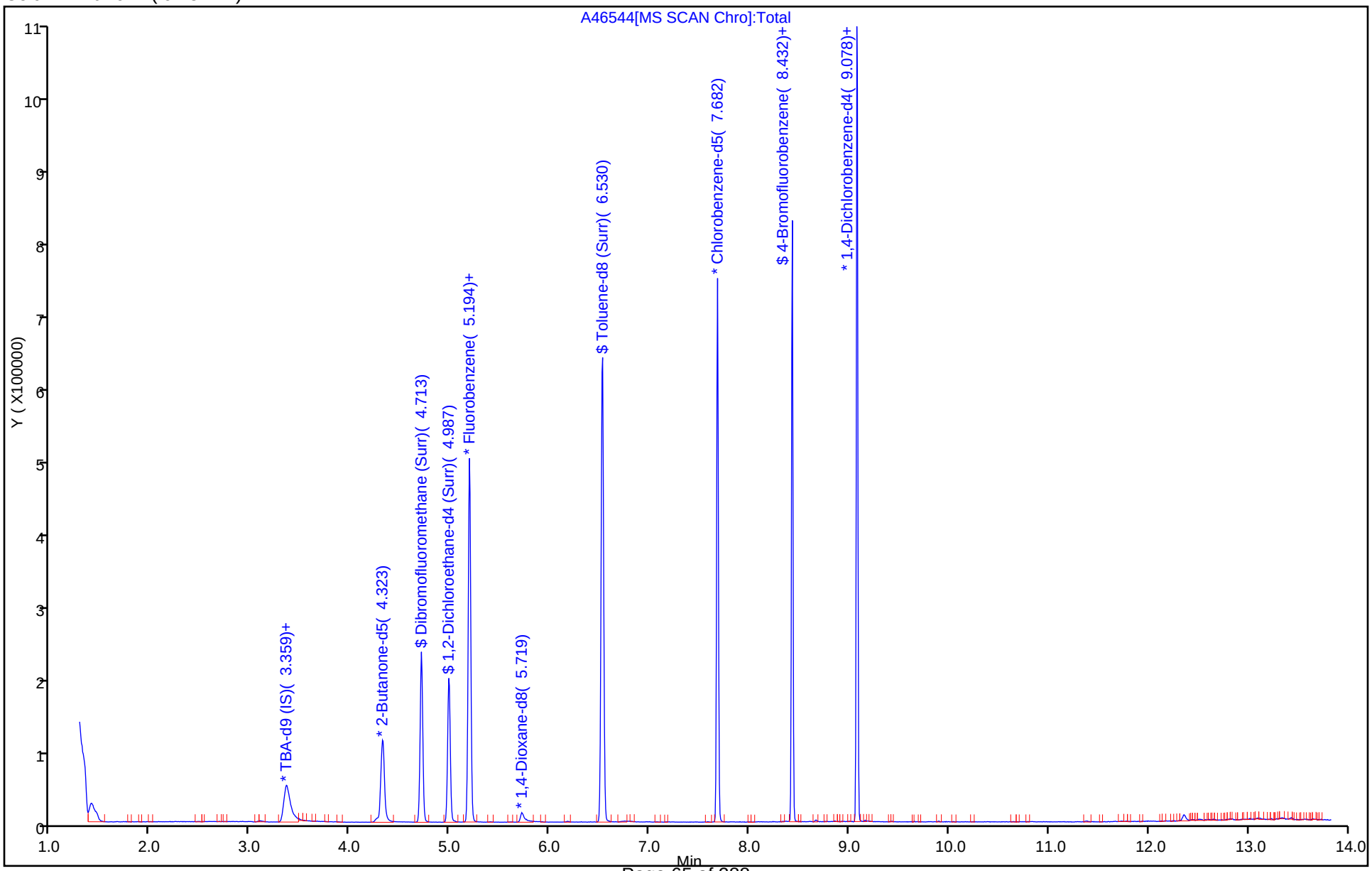
Report Date: 02-Oct-2017 12:20:18 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46544.D

Injection Date:	30-Sep-2017 03:30:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	460-141629-B-2	Lab Sample ID:	460-141629-2	Worklist Smp#:	53
Client ID:	FB				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	43
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



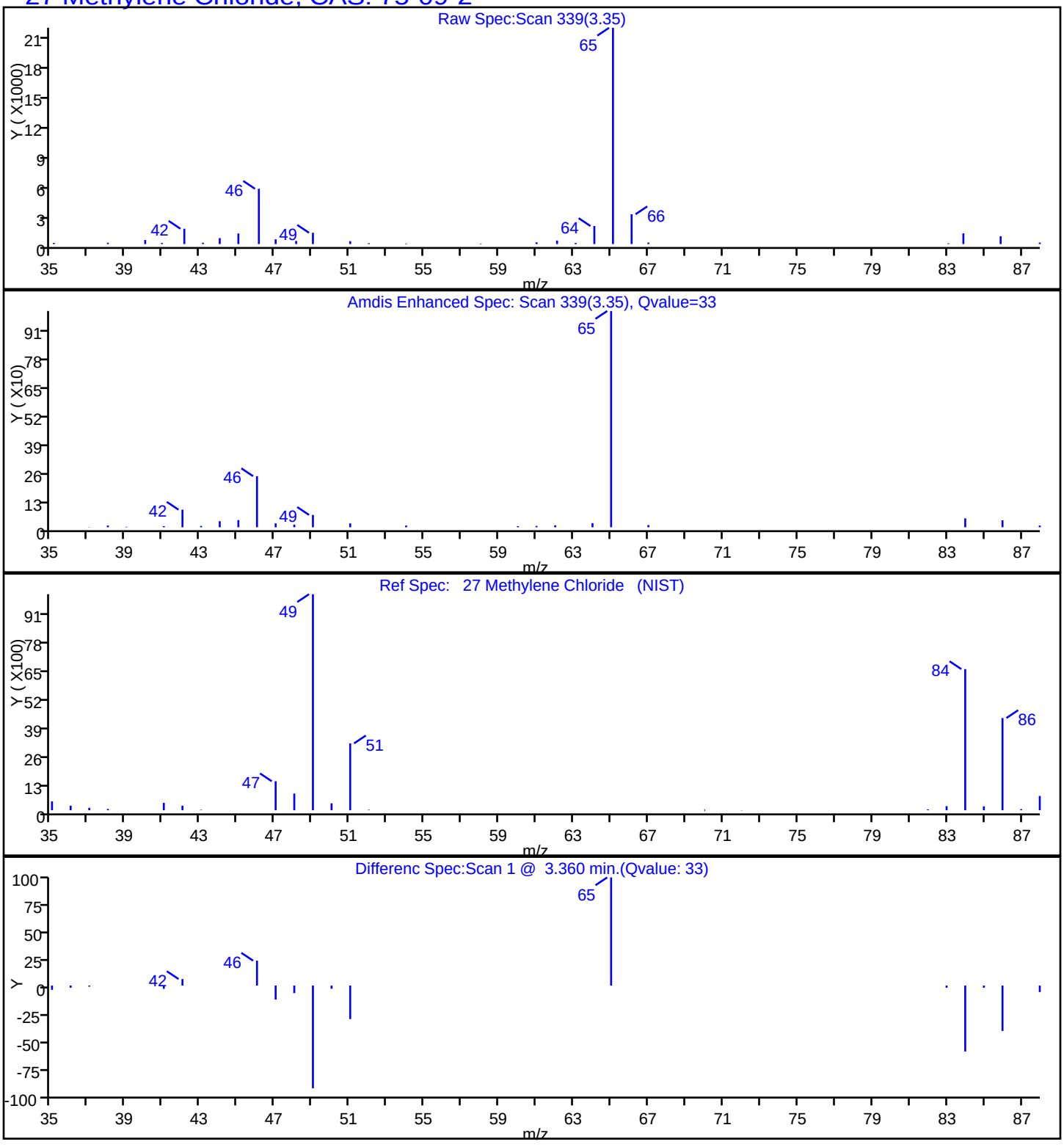
Report Date: 02-Oct-2017 12:20:18 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46544.D

Injection Date:	30-Sep-2017 03:30:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-B-2	Lab Sample ID:	460-141629-2		
Client ID:	FB				
Operator ID:	VOA GC/MS1	ALS Bottle#:	43	Worklist Smp#:	53
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: PZ-23 | Lab Sample ID: 460-141629-3

Matrix: Water | Lab File ID: A46545.D

Analysis Method: 624 | Date Collected: 09/20/2017 09:40

Sample wt/vol: 5(mL) | Date Analyzed: 09/30/2017 03:53

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.: 465797 | 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	64		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.: 460-141629-1

SDG No.:

Client Sample ID: PZ-23 Lab Sample ID: 460-141629-3

Matrix: Water Lab File ID: A46545.D

Analysis Method: 624 Date Collected: 09/20/2017 09:40

Sample wt/vol: 5(mL) Date Analyzed: 09/30/2017 03:53

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.: 465797 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		48-130
460-00-4	Bromofluorobenzene	101		71-131
2037-26-5	Toluene-d8 (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120

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

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: PZ-23 | Lab Sample ID: 460-141629-3

Matrix: Water | Lab File ID: A46545.D

Analysis Method: 624 | Date Collected: 09/20/2017 09:40

Sample wt/vol: 5(mL) | Date Analyzed: 09/30/2017 03:53

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.: 465797 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 7.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
60-29-7	Ethyl ether	2.67	7.6	J N	90%

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46545.D				
Lims ID:	460-141629-B-3				
Client ID:	PZ-23				
Sample Type:	Client				
Inject. Date:	30-Sep-2017 03:53:30	ALS Bottle#:	44	Worklist Smp#:	54
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-141629-B-3				
Misc. Info.:	460-0061064-054				
Operator ID:	VOA GC/MS1	Instrument ID:	CVOAMS1		
Method:	\\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\8260624W_1.m				
Limit Group:	VOA 624 ICAL				
Last Update:	02-Oct-2017 12:20:40	Calib Date:	07-Aug-2017 08:54:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK025				
First Level Reviewer: tupayachia		Date:	30-Sep-2017 09:28:01		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 28 TBA-d9 (IS)	65	3.360	3.366	-0.006	96	136911	1000.0	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	96	162120	250.0	
$ 52 Dibromofluoromethane (Surr	113	4.707	4.713	-0.006	98	122138	52.5	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	95	113130	44.4	
* 64 Fluorobenzene	96	5.195	5.195	0.000	100	438932	50.0	
* 71 1,4-Dioxane-d8	96	5.719	5.719	0.000	84	17096	1000.0	
73 1,4-Dioxane	88	5.762	5.762	0.000	56	1309	64.3	
$ 81 Toluene-d8 (Surr)	98	6.524	6.530	-0.006	99	405540	46.5	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	83	318924	50.0	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	96	155451	50.4	
* 119 1,4-Dichlorobenzene-d4	152	9.078	9.084	-0.006	94	206584	50.0	

Reagents:

8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00159	Amount Added:	1.00	Units: uL	Run Reagent

TestAmerica Edison
Tentatively Identified Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46545.D				
Lims ID:	460-141629-B-3				
Client ID:	PZ-23				
Sample Type:	Client				
Inject. Date:	30-Sep-2017 03:53:30	ALS Bottle#:	44	Worklist Smp#:	54
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-141629-B-3				
Misc. Info.:	460-0061064-054				
Operator ID:	VOA GC/MS1	Instrument ID:	CVOAMS1		
Method:	\\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\8260624W_1.m				
Limit Group:	VOA 624 ICAL				
Last Update:	02-Oct-2017 12:20:40	Calib Date:	07-Aug-2017 08:54:30		
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:	XAWRK025				
First Level Reviewer: tupayachia		Date:	30-Sep-2017 09:28:01		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
60-29-7 Ethyl ether								
2.671	129621	7.61	64	90	824	C4H10O	74	

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 64 Fluorobenzene	5.195	851477	50.0

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00159	Amount Added:	1.00	Units: uL	Run Reagent

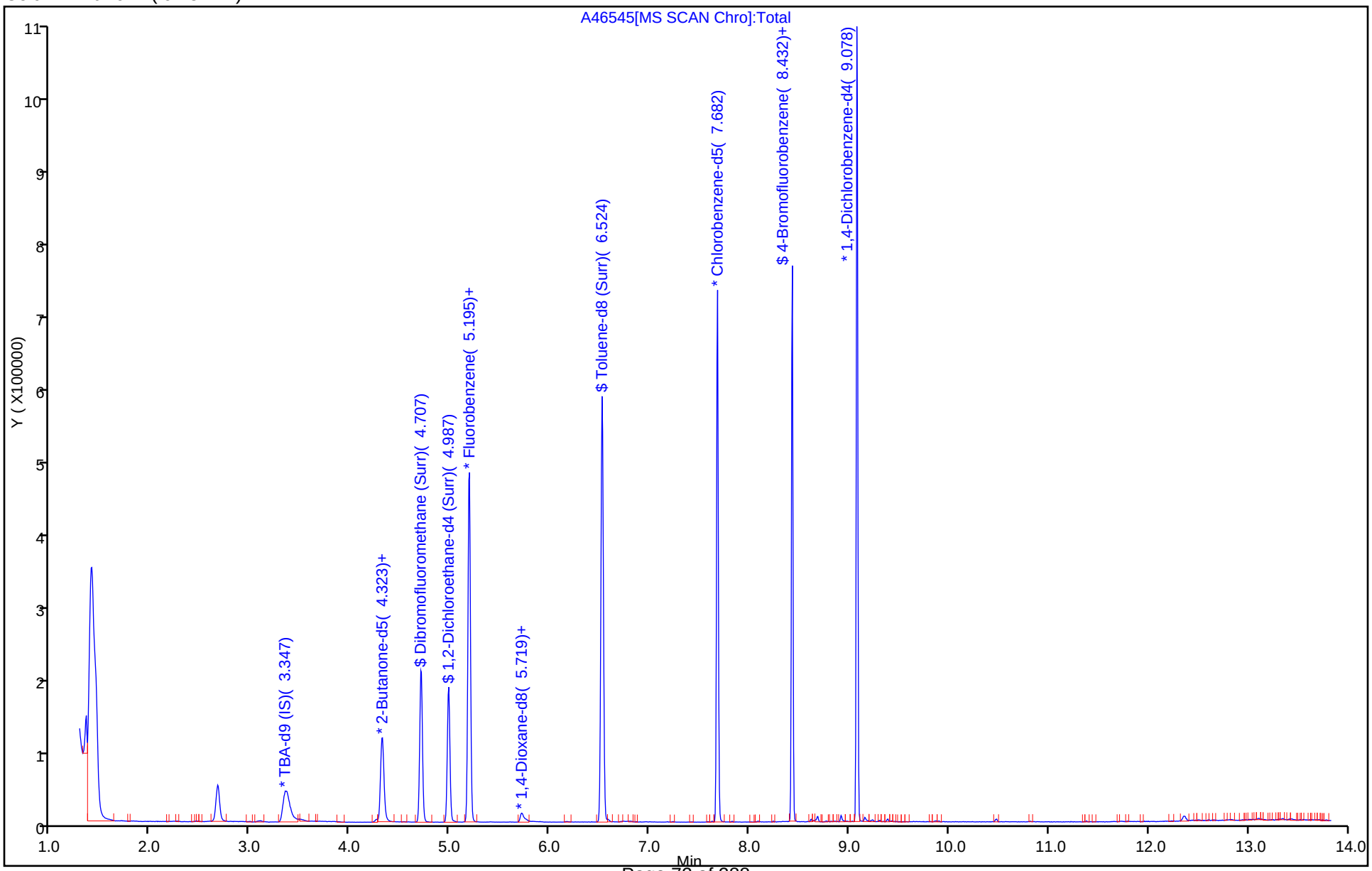
Report Date: 02-Oct-2017 12:20:41 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46545.D

Injection Date:	30-Sep-2017 03:53:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	460-141629-B-3	Lab Sample ID:	460-141629-3	Worklist Smp#:	54
Client ID:	PZ-23				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	44
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



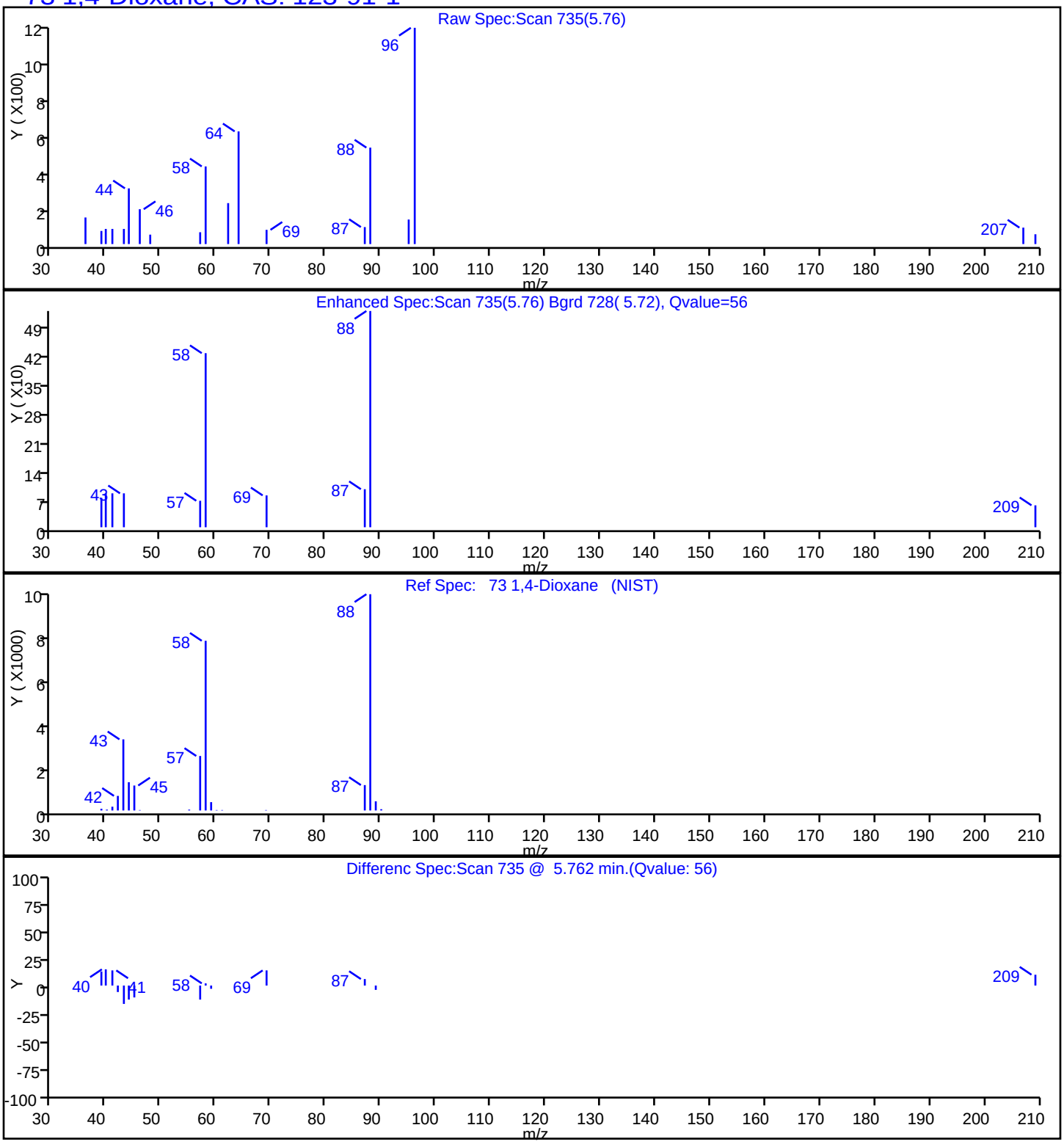
Report Date: 02-Oct-2017 12:20:41 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46545.D

Injection Date:	30-Sep-2017 03:53:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-B-3	Lab Sample ID:	460-141629-3		
Client ID:	PZ-23				
Operator ID:	VOA GC/MS1	ALS Bottle#:	44	Worklist Smp#:	54
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

73 1,4-Dioxane, CAS: 123-91-1



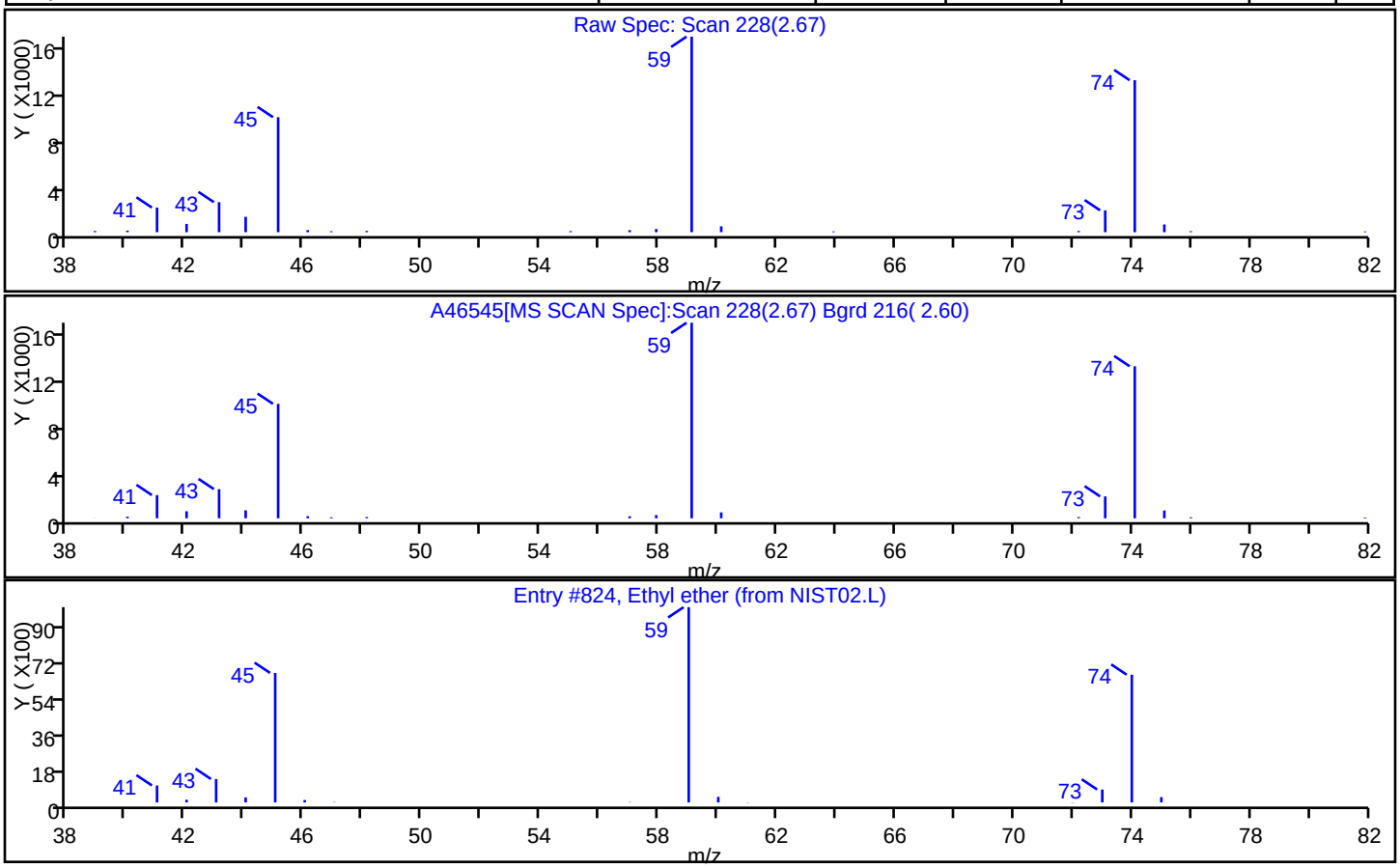
Report Date: 02-Oct-2017 12:20:41 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46545.D

Injection Date:	30-Sep-2017 03:53:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-B-3	Lab Sample ID:	460-141629-3		
Client ID:	PZ-23				
Operator ID:	VOA GC/MS1	ALS Bottle#:	44	Worklist Smp#:	54
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
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.: 460-141629-1

SDG No.:

Client Sample ID: MW-36 | Lab Sample ID: 460-141629-4

Matrix: Water | Lab File ID: A46747.D

Analysis Method: 624 | Date Collected: 09/20/2017 10:25

Sample wt/vol: 5(mL) | Date Analyzed: 10/03/2017 20:47

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.: 466535 | 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.: 460-141629-1

SDG No.:

Client Sample ID: MW-36 Lab Sample ID: 460-141629-4

Matrix: Water Lab File ID: A46747.D

Analysis Method: 624 Date Collected: 09/20/2017 10:25

Sample wt/vol: 5(mL) Date Analyzed: 10/03/2017 20:47

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.: 466535 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		48-130
460-00-4	Bromofluorobenzene	106		71-131
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	121	X	80-120

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

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Client Sample ID: MW-36 Lab Sample ID: 460-141629-4

Matrix: Water Lab File ID: A46747.D

Analysis Method: 624 Date Collected: 09/20/2017 10:25

Sample wt/vol: 5(mL) Date Analyzed: 10/03/2017 20:47

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.: 466535 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\CVOAMS1\20171003-61236.b\A46747.D
Lims ID: 460-141629-A-4
Client ID: MW-36
Sample Type: Client
Inject. Date: 03-Oct-2017 20:47:30 ALS Bottle#: 33 Worklist Smp#: 39
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-141629-A-4
Misc. Info.: 460-0061236-039
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 04-Oct-2017 06:48:04 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: moroneyc Date: 04-Oct-2017 06:41:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 28 TBA-d9 (IS)	65	3.353	3.359	-0.006	98	98113	1000.0	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	96	106719	250.0	
$ 52 Dibromofluoromethane (Surr	113	4.707	4.713	-0.006	97	87425	60.6	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	96	80924	51.2	
* 64 Fluorobenzene	96	5.194	5.194	0.000	100	272093	50.0	
* 71 1,4-Dioxane-d8	96	5.713	5.719	-0.006	85	11083	1000.0	
$ 81 Toluene-d8 (Surr)	98	6.523	6.523	0.000	100	252771	50.6	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	83	182356	50.0	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	95	93769	53.2	
* 119 1,4-Dichlorobenzene-d4	152	9.090	9.090	0.000	93	126954	50.0	

Reagents:

8260SURR250_00159 Amount Added: 1.00 Units: uL Run Reagent
8260ISNEW_00118 Amount Added: 1.00 Units: uL Run Reagent

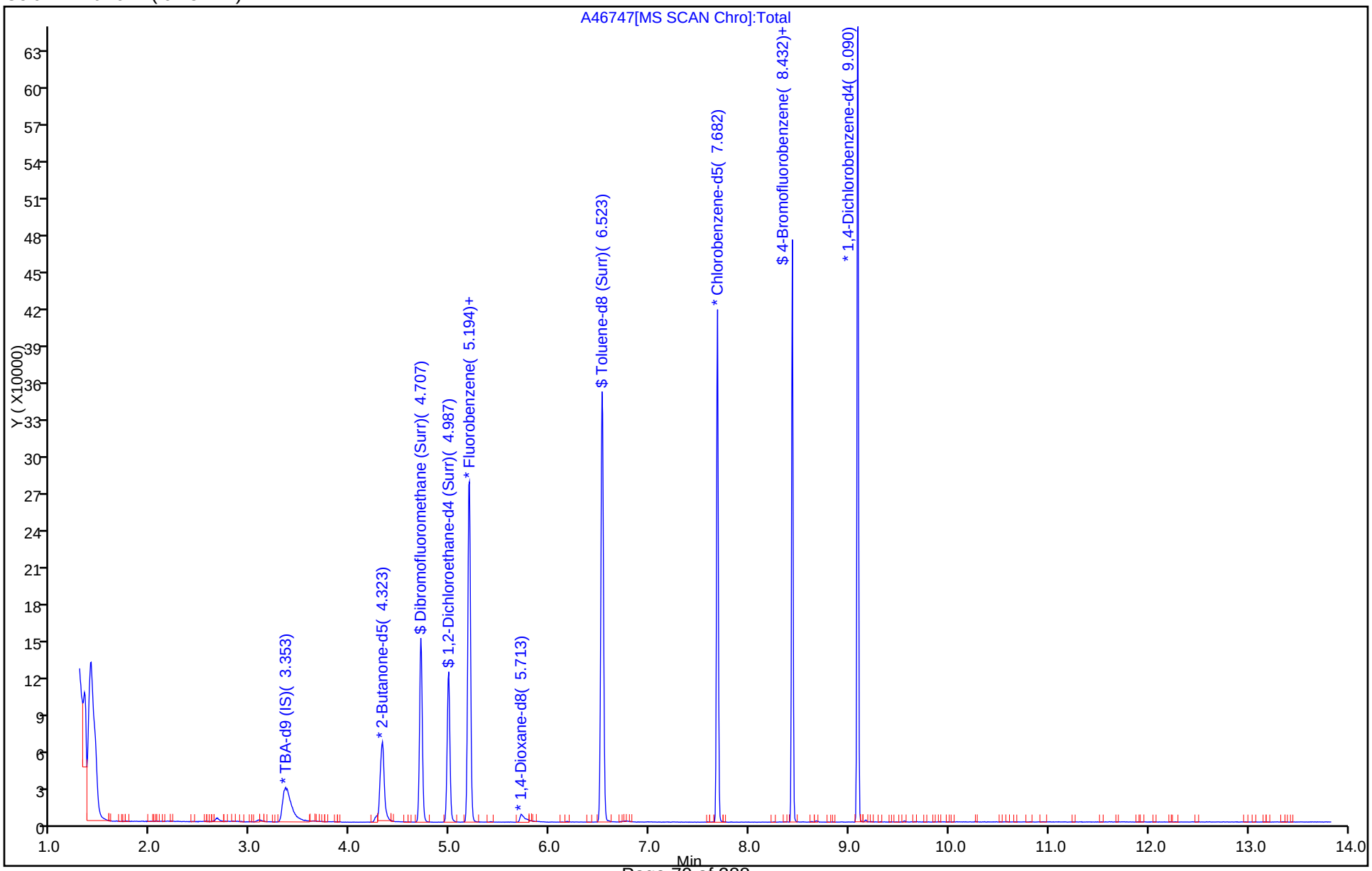
Report Date: 04-Oct-2017 06:49:01 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\A46747.D

Injection Date:	03-Oct-2017 20:47:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	460-141629-A-4	Lab Sample ID:	460-141629-4	Worklist Smp#:	39
Client ID:	MW-36				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	33
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: MW-31 | Lab Sample ID: 460-141629-5

Matrix: Water | Lab File ID: A46594.D

Analysis Method: 624 | Date Collected: 09/20/2017 11:10

Sample wt/vol: 5(mL) | Date Analyzed: 09/30/2017 23:32

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.: 466054 | 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	0.26	J	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	3.3		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	200		1.0	0.24
75-00-3	Chloroethane	39		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	0.49	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	0.28	U	2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Client Sample ID: MW-31 Lab Sample ID: 460-141629-5

Matrix: Water Lab File ID: A46594.D

Analysis Method: 624 Date Collected: 09/20/2017 11:10

Sample wt/vol: 5(mL) Date Analyzed: 09/30/2017 23:32

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.: 466054 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		48-130
460-00-4	Bromofluorobenzene	103		71-131
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	112		80-120

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

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: MW-31 | Lab Sample ID: 460-141629-5

Matrix: Water | Lab File ID: A46594.D

Analysis Method: 624 | Date Collected: 09/20/2017 11:10

Sample wt/vol: 5(mL) | Date Analyzed: 09/30/2017 23:32

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.: 466054 | Units: ug/L

Number TICs Found: 2 | TIC Result Total: 153

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
60-29-7	Ethyl ether	2.68	120		93%
95-49-8	2-Chlorotoluene	8.62	33		96%

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46594.D
Lims ID: 460-141629-C-5
Client ID: MW-31
Sample Type: Client
Inject. Date: 30-Sep-2017 23:32:30 ALS Bottle#: 42 Worklist Smp#: 43
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-141629-C-5
Misc. Info.: 460-0061122-043
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 02-Oct-2017 20:17:36 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: tupayachia Date: 01-Oct-2017 06:28:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
8 Chloroethane	64	2.238	2.244	-0.006	98	52913	38.7	
13 Ethyl ether	59	2.677	2.683	-0.006	93	234070	124.2	
* 28 TBA-d9 (IS)	65	3.366	3.366	0.000	97	155230	1000.0	
34 Isopropyl ether	45	3.878	3.878	0.000	97	5692	0.7182	
35 1,1-Dichloroethane	63	3.902	3.902	0.000	36	1136	0.2557	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	96	172328	250.0	
$ 52 Dibromofluoromethane (Surr	113	4.713	4.713	0.000	97	122211	56.1	
58 Benzene	78	4.975	4.981	-0.006	96	33609	3.31	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.993	-0.006	96	117588	49.3	
* 64 Fluorobenzene	96	5.194	5.194	0.000	99	410998	50.0	
* 71 1,4-Dioxane-d8	96	5.719	5.719	0.000	84	20728	1000.0	
$ 81 Toluene-d8 (Surr)	98	6.524	6.530	-0.006	99	419066	50.5	
82 Toluene	91	6.591	6.591	0.000	96	5295	0.4942	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	82	302974	50.0	
93 Chlorobenzene	112	7.700	7.700	0.000	97	1381594	204.8	
96 m-Xylene & p-Xylene	106	7.822	7.828	-0.006	53	492	0.1053	7
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	96	151299	51.7	
110 2-Chlorotoluene	91	8.621	8.627	-0.006	96	347922	33.0	
116 sec-Butylbenzene	105	8.950	8.956	-0.006	97	5878	0.4514	
* 119 1,4-Dichlorobenzene-d4	152	9.084	9.090	-0.006	93	184787	50.0	
S 135 Total BTEX	1				0		3.91	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00159	Amount Added:	1.00	Units: uL	Run Reagent

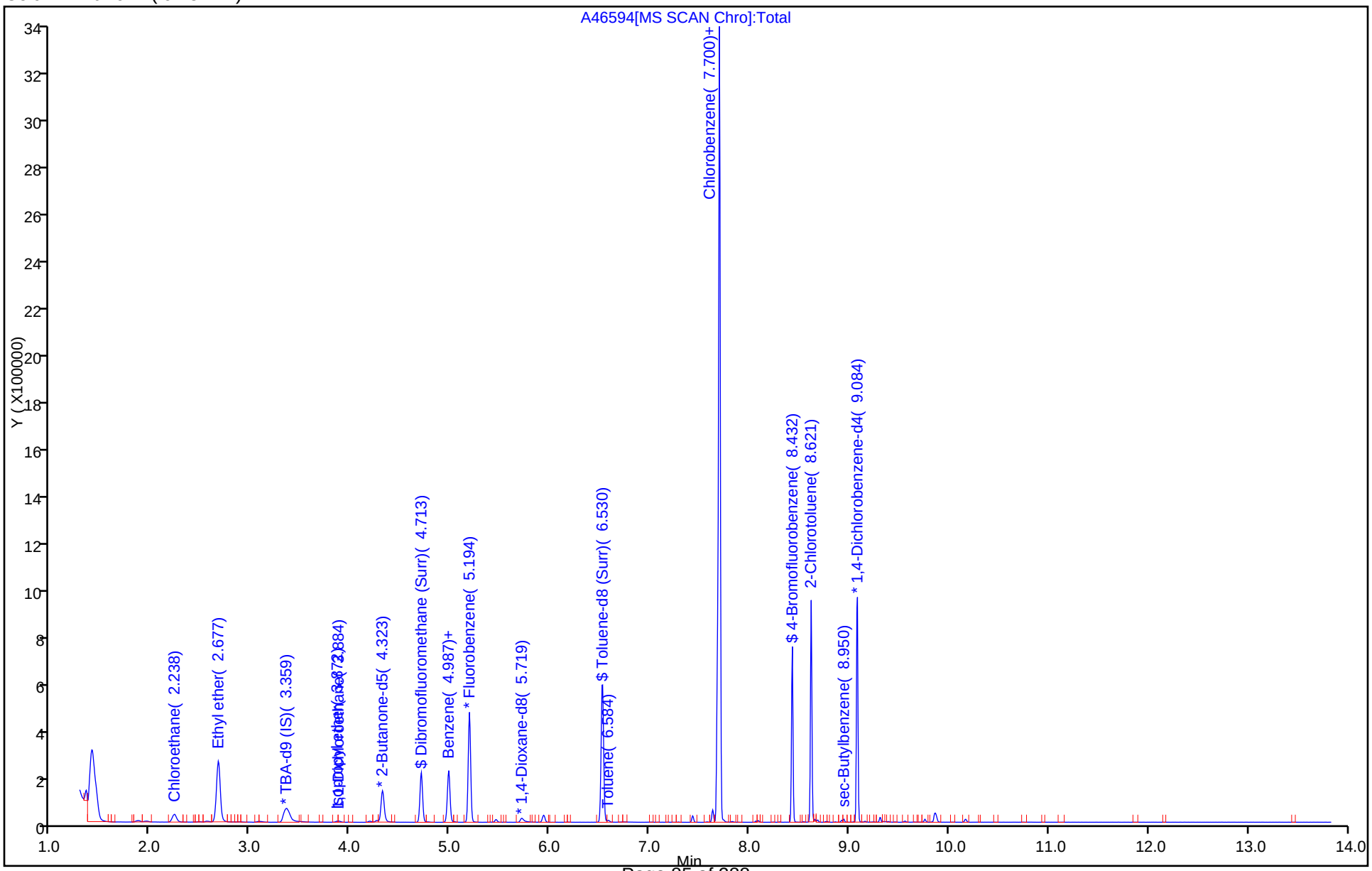
Report Date: 02-Oct-2017 20:17:37 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46594.D

Injection Date:	30-Sep-2017 23:32:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	460-141629-C-5	Lab Sample ID:	460-141629-5	Worklist Smp#:	43
Client ID:	MW-31				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	42
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



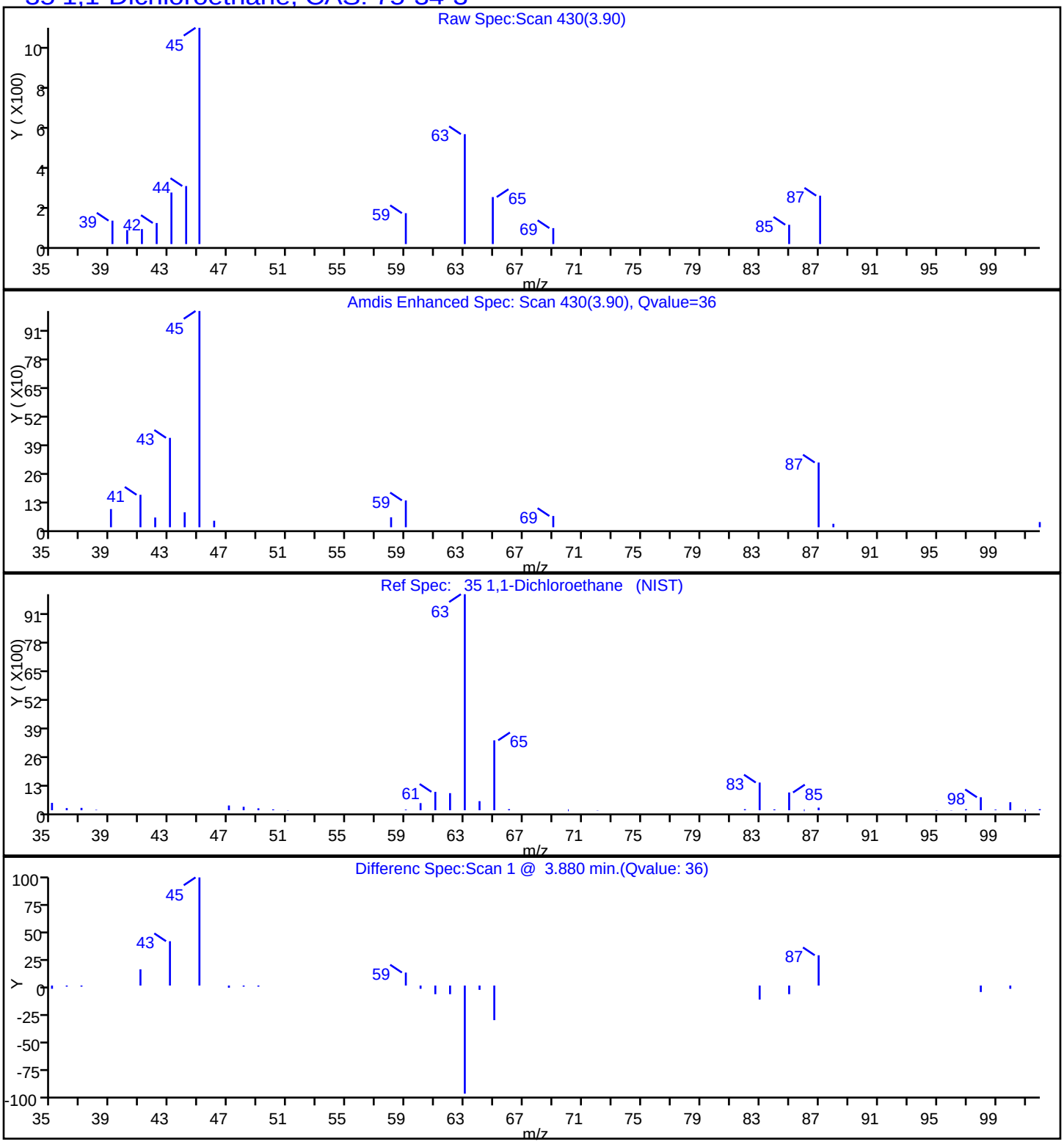
Report Date: 02-Oct-2017 20:17:37 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46594.D

Injection Date:	30-Sep-2017 23:32:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-C-5	Lab Sample ID:	460-141629-5		
Client ID:	MW-31				
Operator ID:	VOA GC/MS1	ALS Bottle#:	42	Worklist Smp#:	43
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

35 1,1-Dichloroethane, CAS: 75-34-3



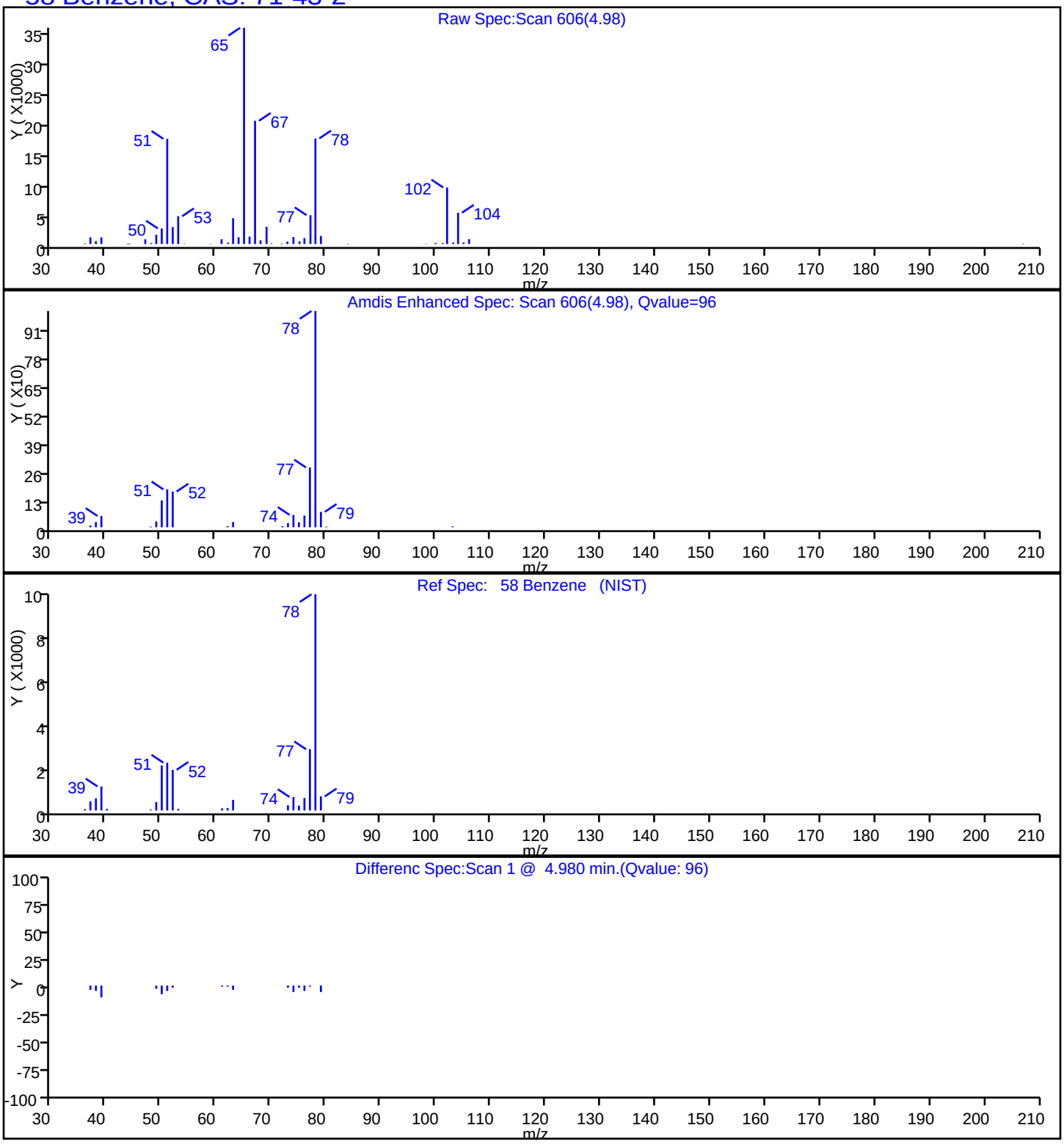
Report Date: 02-Oct-2017 20:17:38 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46594.D

Injection Date:	30-Sep-2017 23:32:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-C-5	Lab Sample ID:	460-141629-5		
Client ID:	MW-31				
Operator ID:	VOA GC/MS1	ALS Bottle#:	42	Worklist Smp#:	43
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

58 Benzene, CAS: 71-43-2



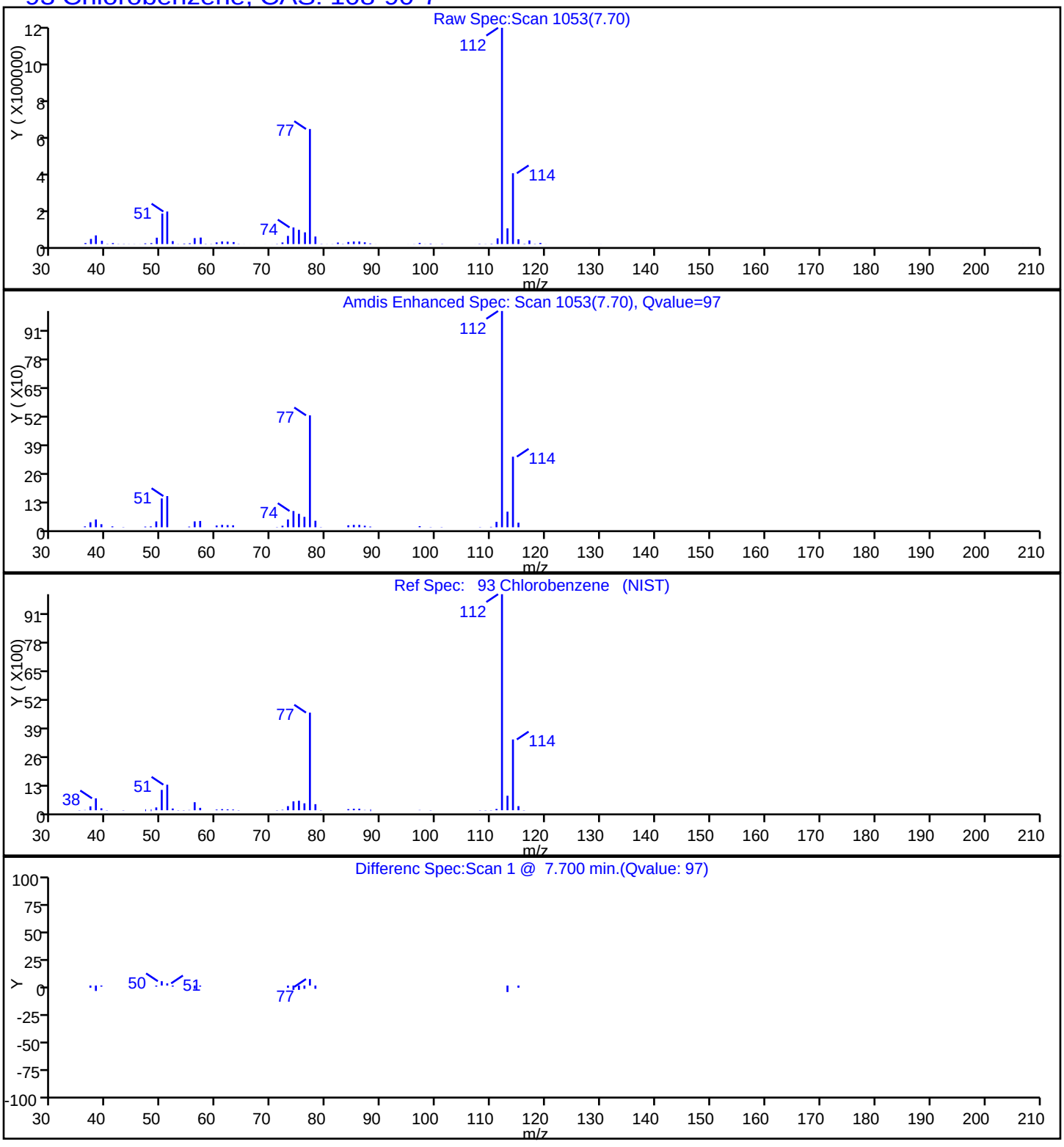
Report Date: 02-Oct-2017 20:17:38 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46594.D

Injection Date:	30-Sep-2017 23:32:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-C-5	Lab Sample ID:	460-141629-5		
Client ID:	MW-31				
Operator ID:	VOA GC/MS1	ALS Bottle#:	42	Worklist Smp#:	43
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

93 Chlorobenzene, CAS: 108-90-7



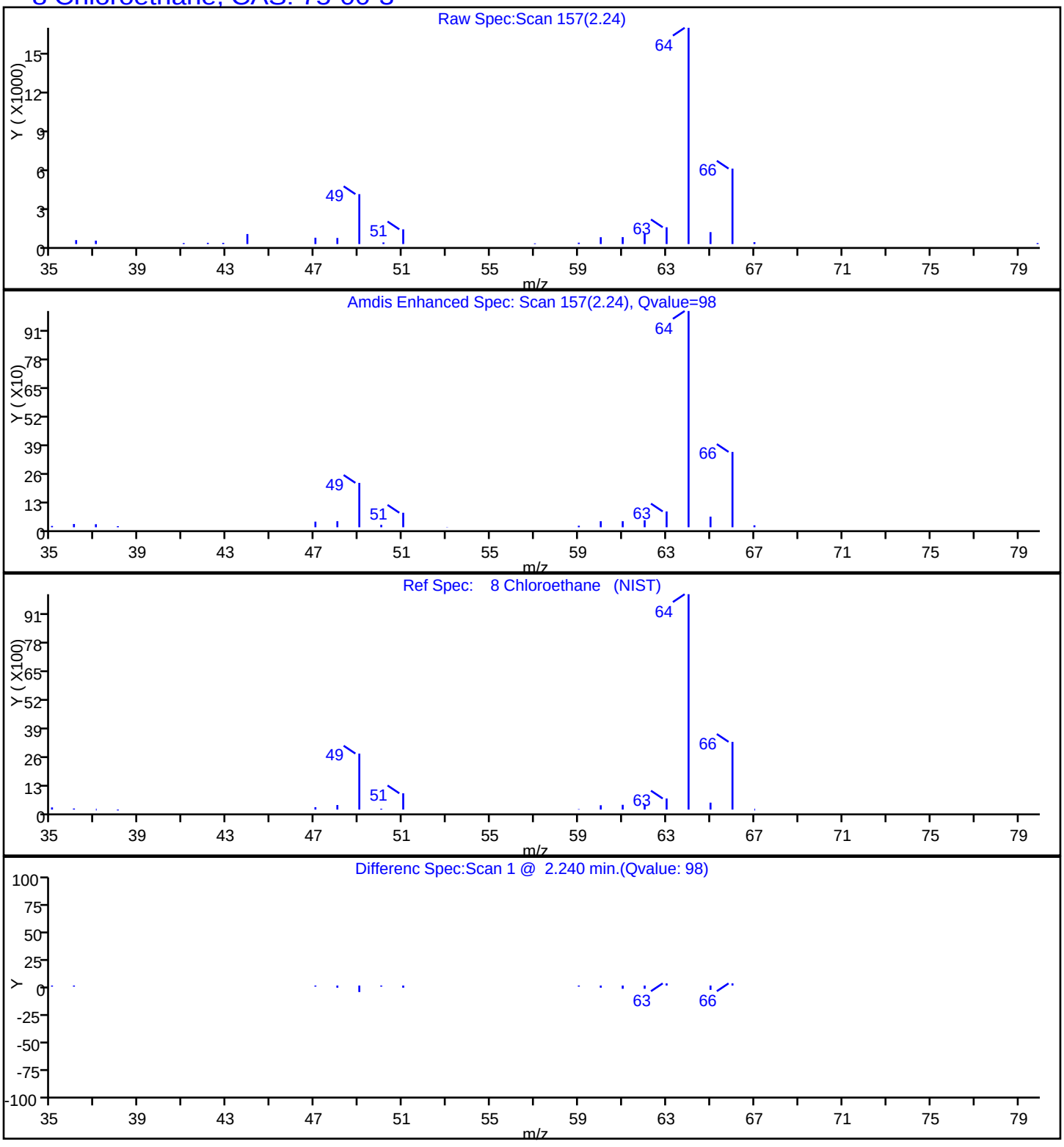
Report Date: 02-Oct-2017 20:17:37 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46594.D

Injection Date:	30-Sep-2017 23:32:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-C-5	Lab Sample ID:	460-141629-5		
Client ID:	MW-31				
Operator ID:	VOA GC/MS1	ALS Bottle#:	42	Worklist Smp#:	43
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

8 Chloroethane, CAS: 75-00-3



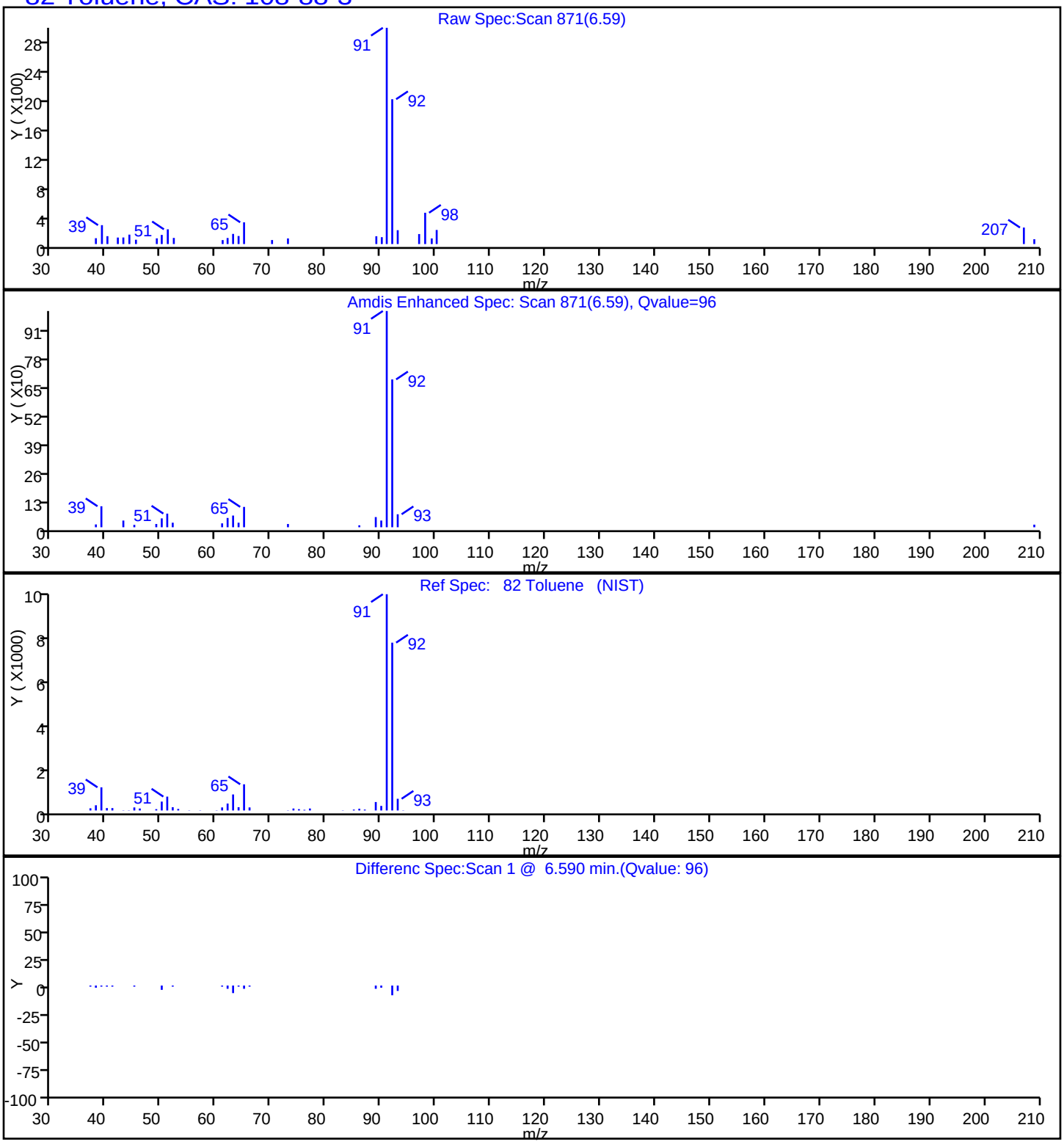
Report Date: 02-Oct-2017 20:17:38 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46594.D

Injection Date:	30-Sep-2017 23:32:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-C-5	Lab Sample ID:	460-141629-5		
Client ID:	MW-31				
Operator ID:	VOA GC/MS1	ALS Bottle#:	42	Worklist Smp#:	43
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

82 Toluene, CAS: 108-88-3



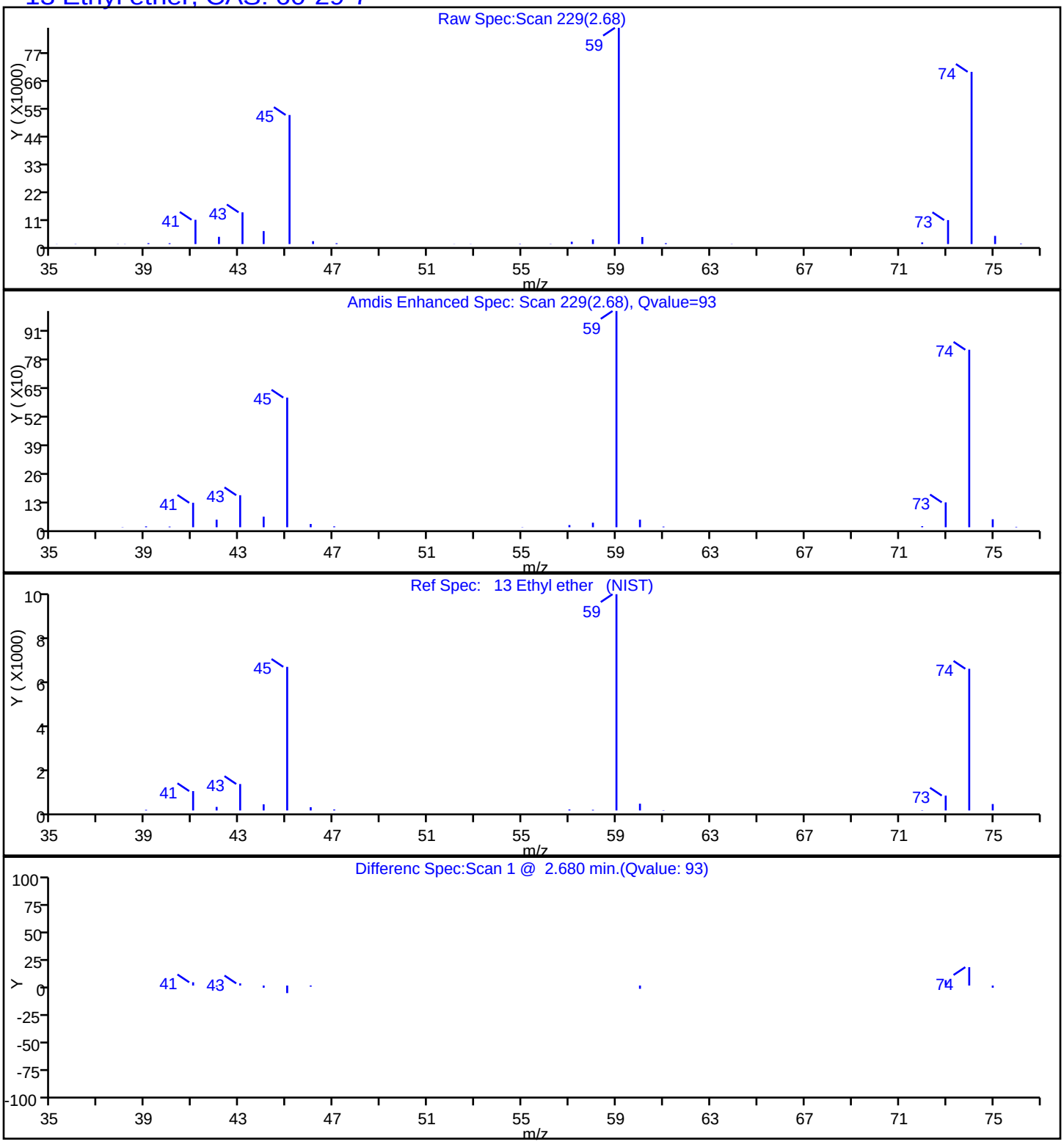
Report Date: 02-Oct-2017 20:17:37 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46594.D

Injection Date:	30-Sep-2017 23:32:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-C-5	Lab Sample ID:	460-141629-5		
Client ID:	MW-31				
Operator ID:	VOA GC/MS1	ALS Bottle#:	42	Worklist Smp#:	43
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

13 Ethyl ether, CAS: 60-29-7



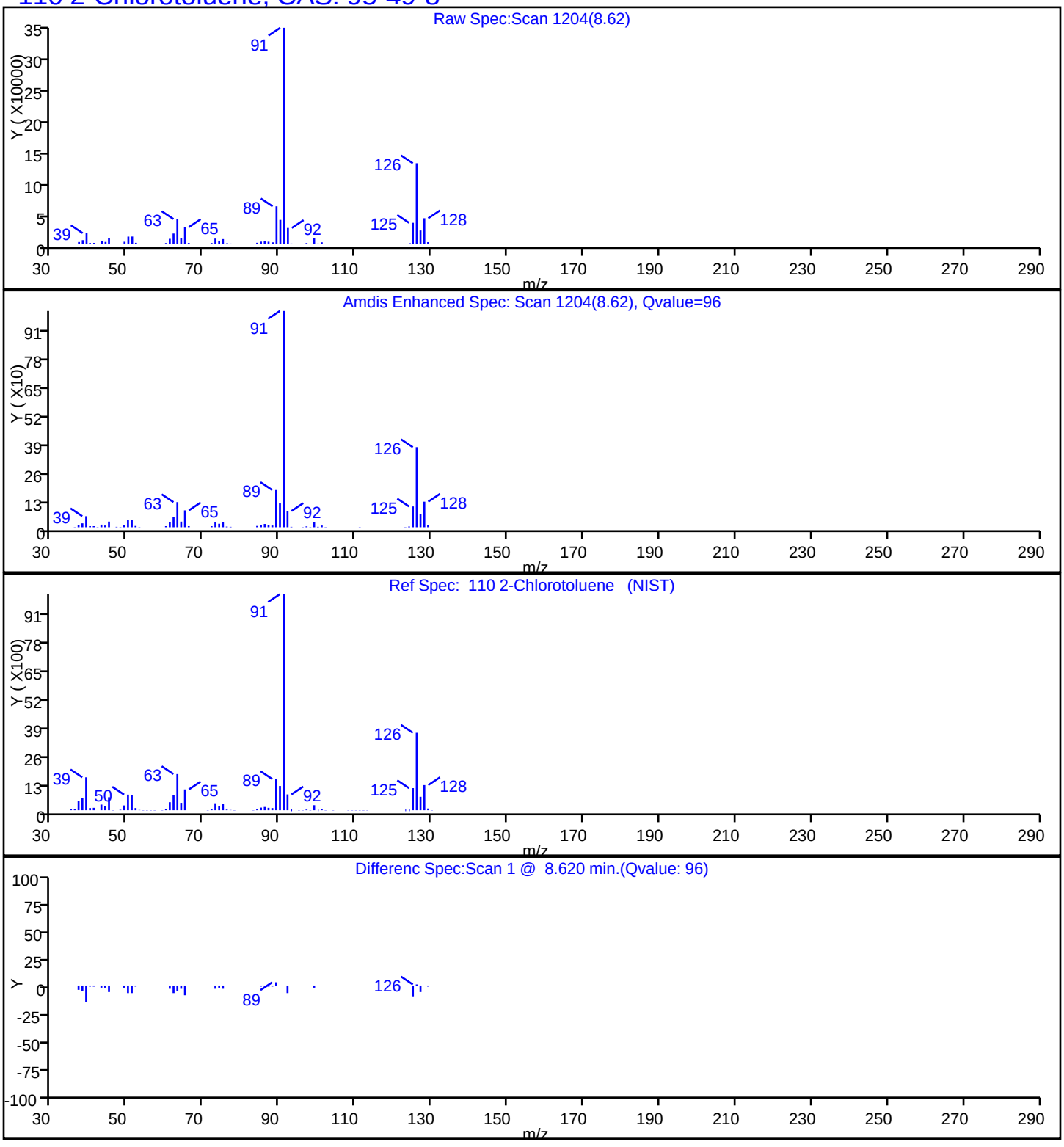
Report Date: 02-Oct-2017 20:17:38 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46594.D

Injection Date:	30-Sep-2017 23:32:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-C-5	Lab Sample ID:	460-141629-5		
Client ID:	MW-31				
Operator ID:	VOA GC/MS1	ALS Bottle#:	42	Worklist Smp#:	43
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

110 2-Chlorotoluene, CAS: 95-49-8



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: MW-24 | Lab Sample ID: 460-141629-6

Matrix: Water | Lab File ID: A46748.D

Analysis Method: 624 | Date Collected: 09/20/2017 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/03/2017 21:10

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.: 466535 | 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	0.39	J	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	3.4		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	150		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	30		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	21		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.81	J	1.0	0.22
75-01-4	Vinyl chloride	26		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.: 460-141629-1

SDG No.:

Client Sample ID: MW-24 Lab Sample ID: 460-141629-6

Matrix: Water Lab File ID: A46748.D

Analysis Method: 624 Date Collected: 09/20/2017 12:00

Sample wt/vol: 5(mL) Date Analyzed: 10/03/2017 21:10

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.: 466535 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		48-130
460-00-4	Bromofluorobenzene	104		71-131
2037-26-5	Toluene-d8 (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	116		80-120

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

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: MW-24 | Lab Sample ID: 460-141629-6

Matrix: Water | Lab File ID: A46748.D

Analysis Method: 624 | Date Collected: 09/20/2017 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/03/2017 21:10

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.: 466535 | 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\CVOAMS1\20171003-61236.b\A46748.D				
Lims ID:	460-141629-A-6				
Client ID:	MW-24				
Sample Type:	Client				
Inject. Date:	03-Oct-2017 21:10:30	ALS Bottle#:	34	Worklist Smp#:	40
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-141629-A-6				
Misc. Info.:	460-0061236-040				
Operator ID:	VOA GC/MS1	Instrument ID:	CVOAMS1		
Method:	\\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\8260624W_1.m				
Limit Group:	VOA 624 ICAL				
Last Update:	04-Oct-2017 16:29:07	Calib Date:	07-Aug-2017 08:54:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK007				
First Level Reviewer: moroneyc		Date:	04-Oct-2017 06:41:59		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Vinyl chloride	62	1.860	1.860	0.000	97	46562	26.2	
* 28 TBA-d9 (IS)	65	3.372	3.359	0.013	98	101349	1000.0	
31 trans-1,2-Dichloroethene	96	3.530	3.530	0.000	91	37631	20.6	
35 1,1-Dichloroethane	63	3.908	3.902	0.006	97	1247	0.3937	
* 39 2-Butanone-d5	46	4.329	4.323	0.006	95	114131	250.0	
41 cis-1,2-Dichloroethene	96	4.359	4.353	0.006	97	62564	29.9	
$ 52 Dibromofluoromethane (Surr	113	4.713	4.713	0.000	98	90480	58.2	
58 Benzene	78	4.981	4.975	0.006	95	23389	3.41	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.993	4.987	0.006	97	87524	51.5	
* 64 Fluorobenzene	96	5.201	5.194	0.007	99	293032	50.0	
66 Trichloroethene	95	5.463	5.457	0.006	94	1446	0.8114	
* 71 1,4-Dioxane-d8	96	5.725	5.719	0.006	89	11927	1000.0	
$ 81 Toluene-d8 (Surr)	98	6.530	6.523	0.007	100	273705	48.9	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	82	204587	50.0	
93 Chlorobenzene	112	7.700	7.700	0.000	97	675400	148.2	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	96	102894	52.0	
* 119 1,4-Dichlorobenzene-d4	152	9.084	9.090	-0.006	94	133244	50.0	

Reagents:

8260SURR250_00159	Amount Added:	1.00	Units: uL	Run Reagent
8260ISNEW_00118	Amount Added:	1.00	Units: uL	Run Reagent

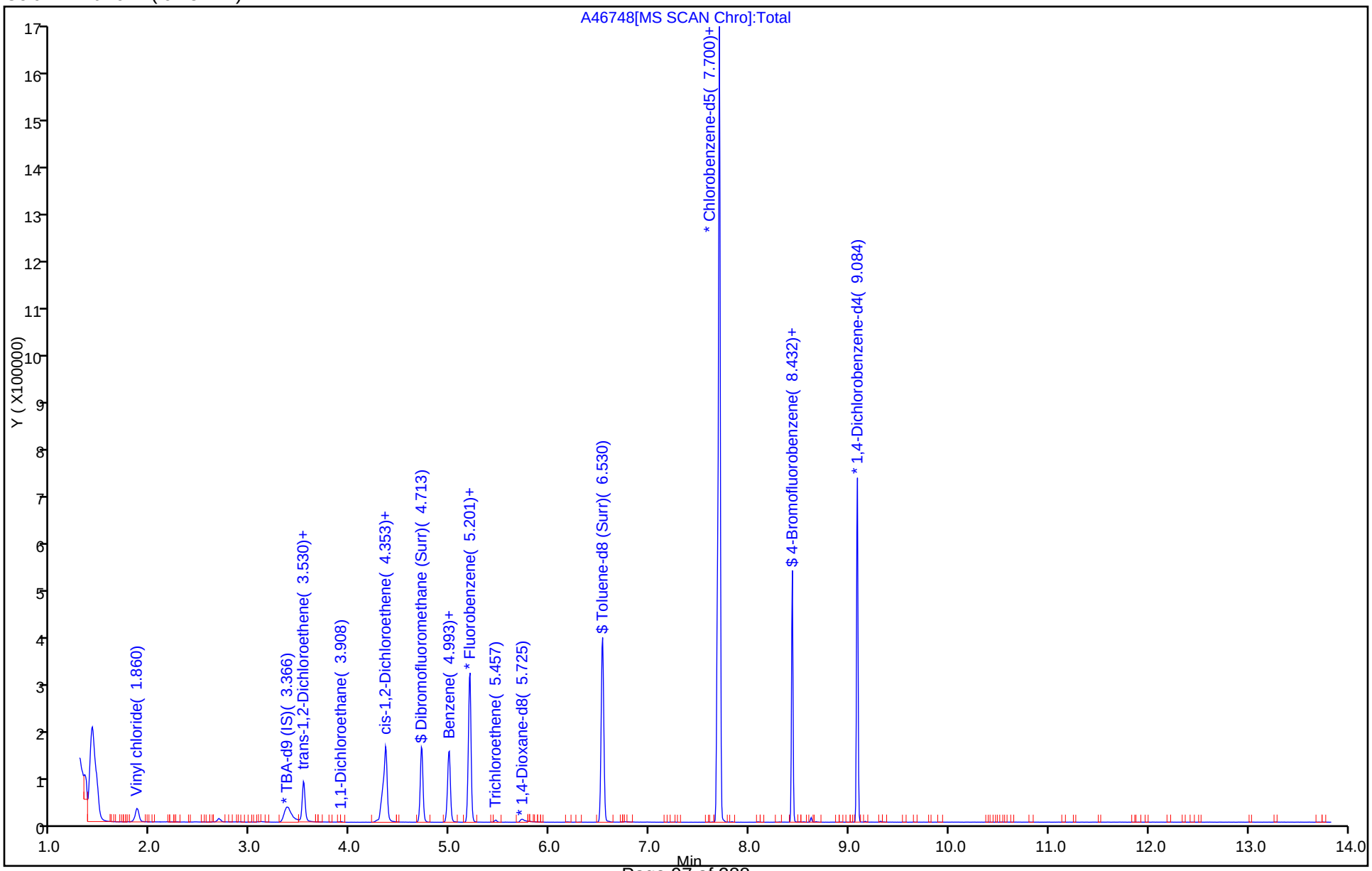
Report Date: 04-Oct-2017 16:29:08 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\A46748.D

Injection Date:	03-Oct-2017 21:10:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	460-141629-A-6	Lab Sample ID:	460-141629-6	Worklist Smp#:	40
Client ID:	MW-24				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	34
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



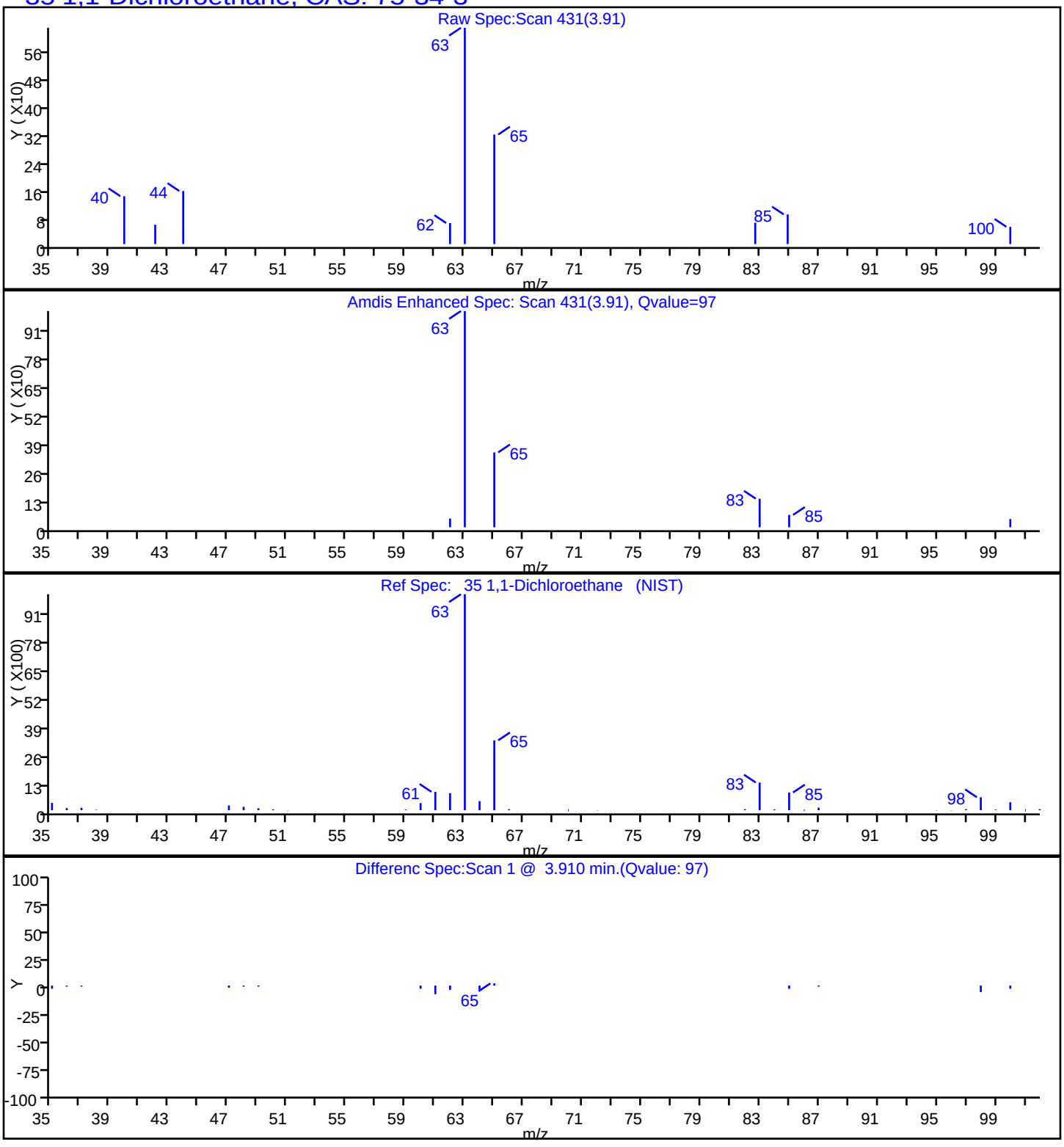
Report Date: 04-Oct-2017 16:29:08 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\A46748.D

Injection Date:	03-Oct-2017 21:10:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-A-6	Lab Sample ID:	460-141629-6		
Client ID:	MW-24				
Operator ID:	VOA GC/MS1	ALS Bottle#:	34	Worklist Smp#:	40
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

35 1,1-Dichloroethane, CAS: 75-34-3



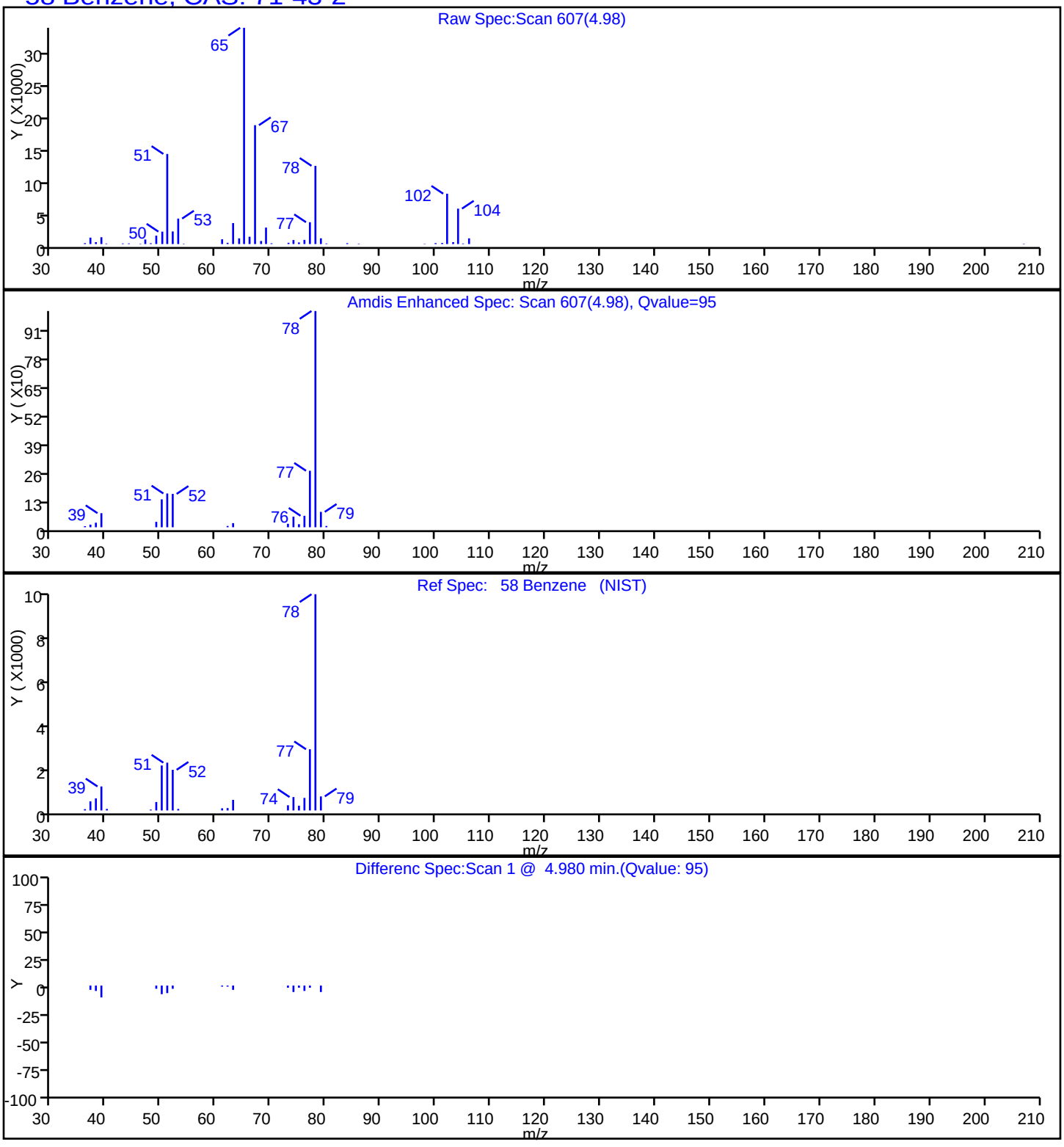
Report Date: 04-Oct-2017 16:29:08 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\A46748.D

Injection Date:	03-Oct-2017 21:10:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-A-6	Lab Sample ID:	460-141629-6		
Client ID:	MW-24				
Operator ID:	VOA GC/MS1	ALS Bottle#:	34	Worklist Smp#:	40
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

58 Benzene, CAS: 71-43-2



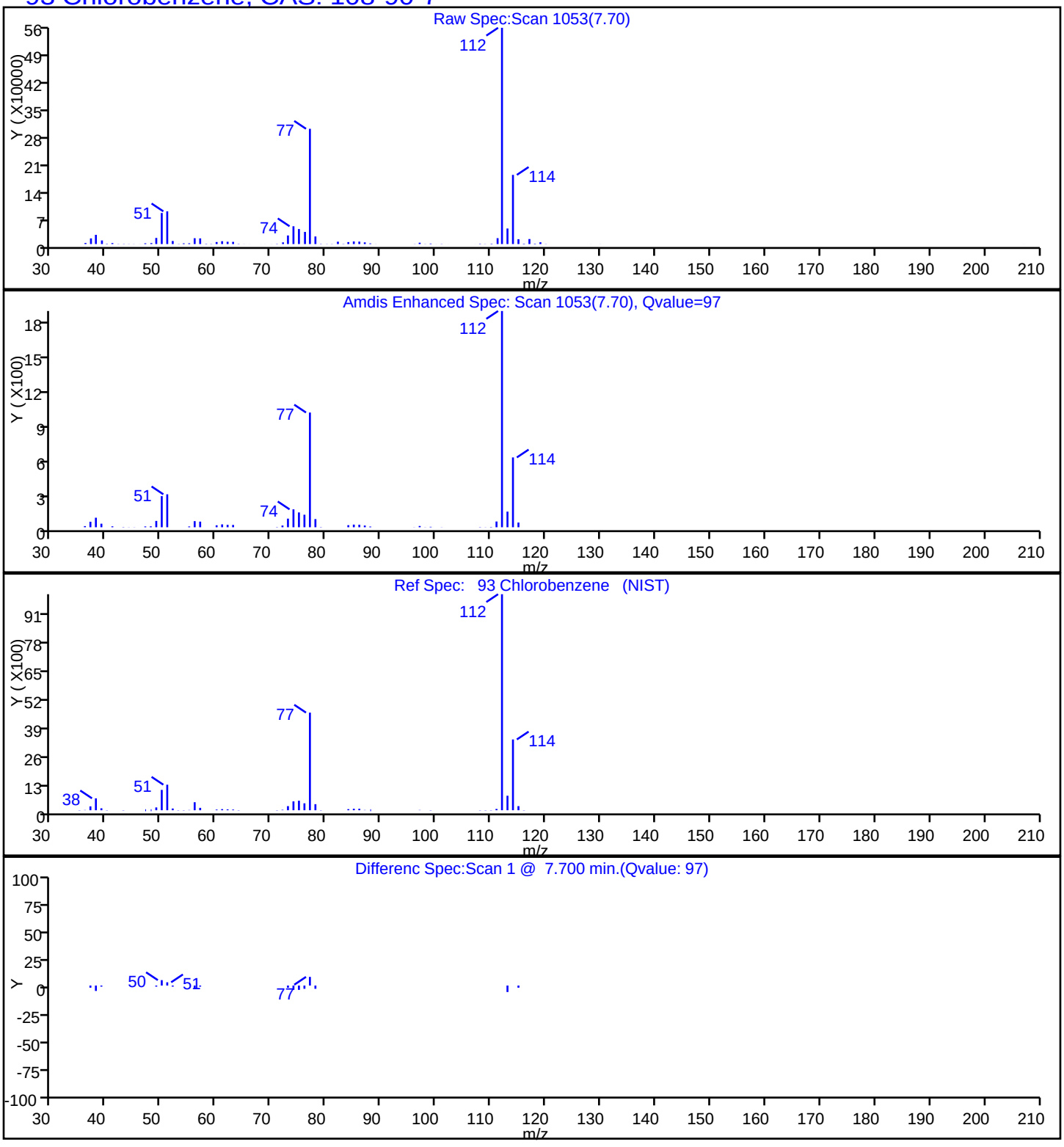
Report Date: 04-Oct-2017 16:29:08 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\A46748.D

Injection Date:	03-Oct-2017 21:10:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-A-6	Lab Sample ID:	460-141629-6		
Client ID:	MW-24				
Operator ID:	VOA GC/MS1	ALS Bottle#:	34	Worklist Smp#:	40
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

93 Chlorobenzene, CAS: 108-90-7



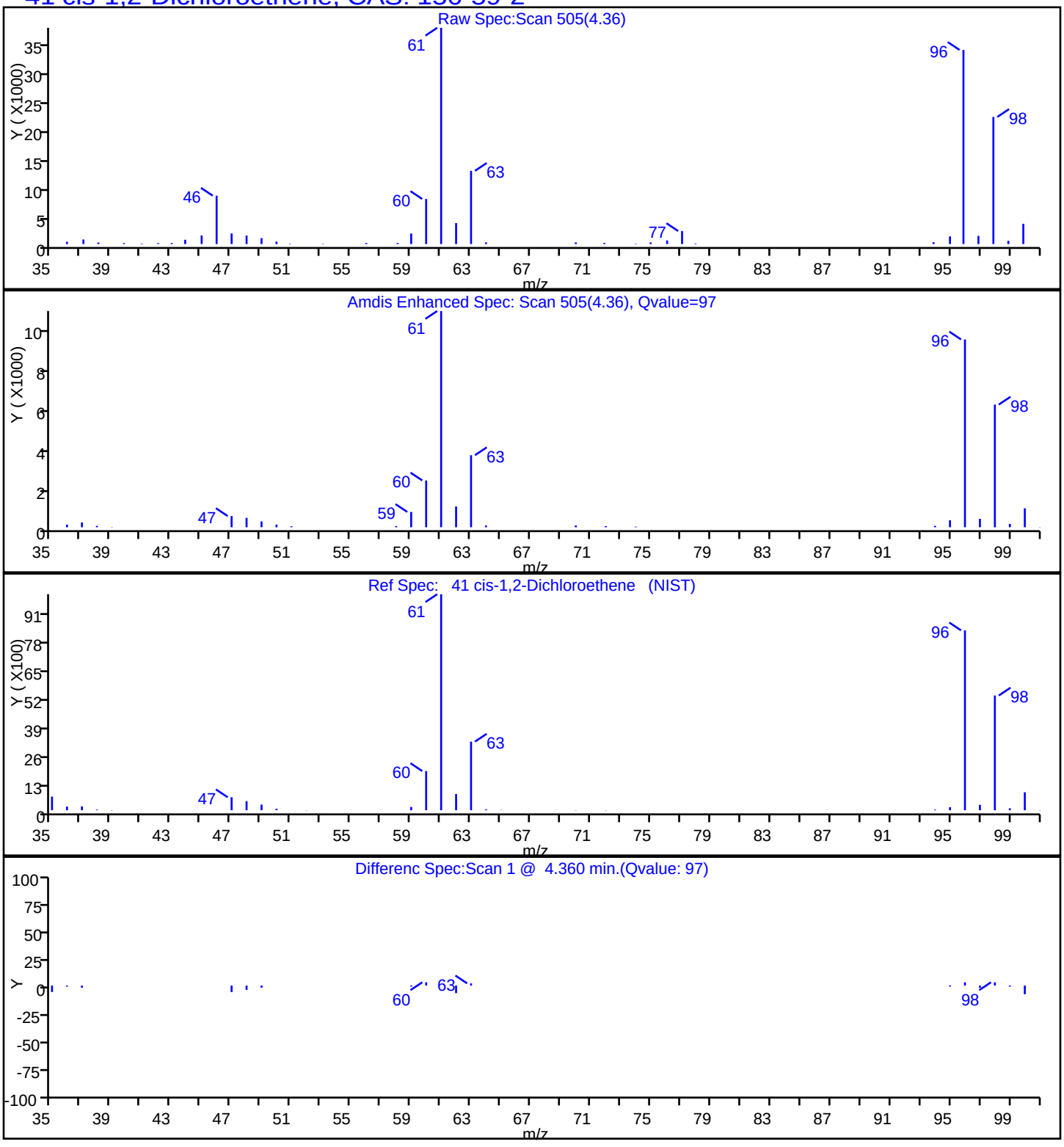
Report Date: 04-Oct-2017 16:29:08 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\A46748.D

Injection Date:	03-Oct-2017 21:10:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-A-6	Lab Sample ID:	460-141629-6		
Client ID:	MW-24				
Operator ID:	VOA GC/MS1	ALS Bottle#:	34	Worklist Smp#:	40
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

41 cis-1,2-Dichloroethene, CAS: 156-59-2



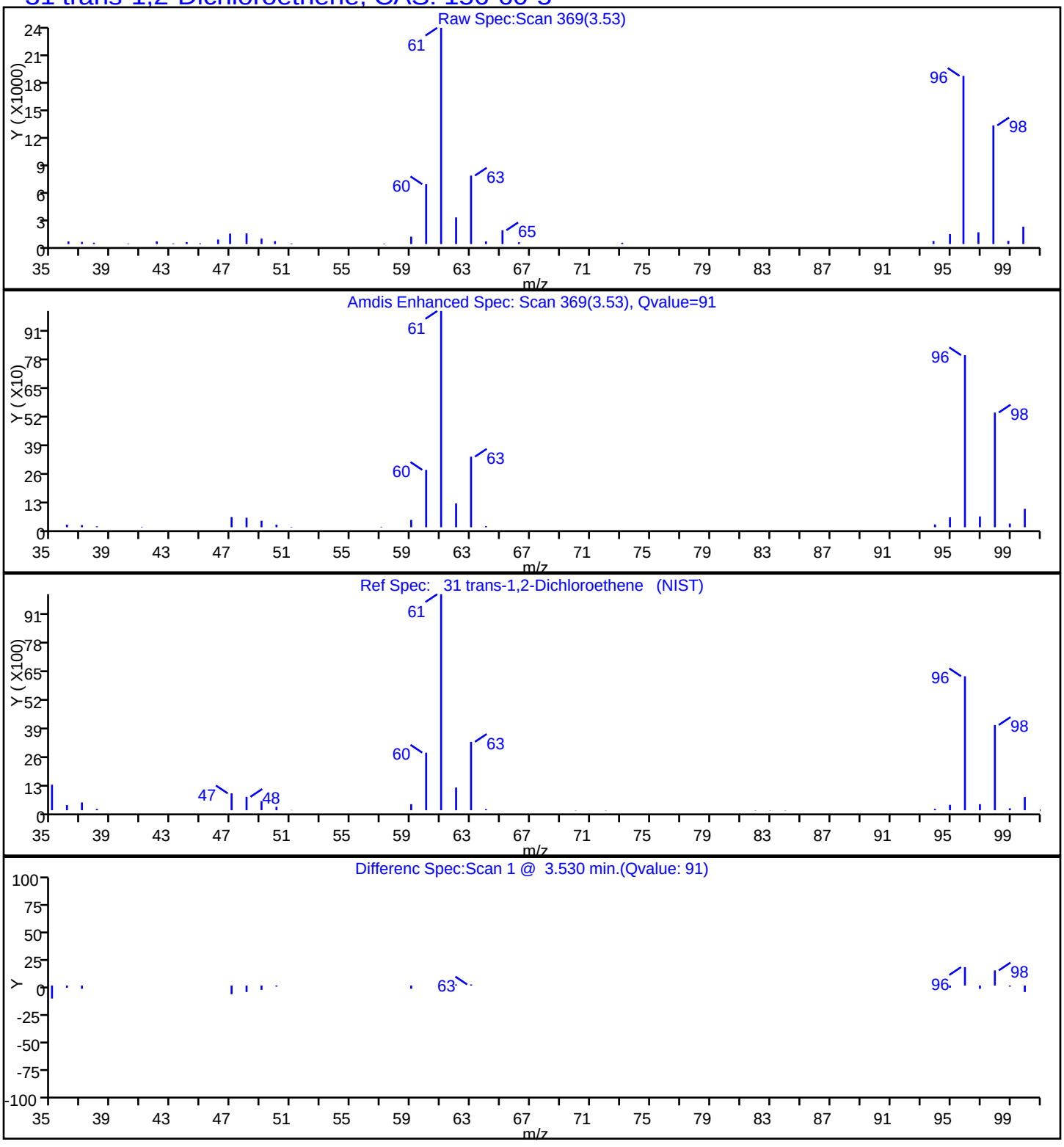
Report Date: 04-Oct-2017 16:29:08 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\A46748.D

Injection Date:	03-Oct-2017 21:10:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-A-6	Lab Sample ID:	460-141629-6		
Client ID:	MW-24				
Operator ID:	VOA GC/MS1	ALS Bottle#:	34	Worklist Smp#:	40
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

31 trans-1,2-Dichloroethene, CAS: 156-60-5



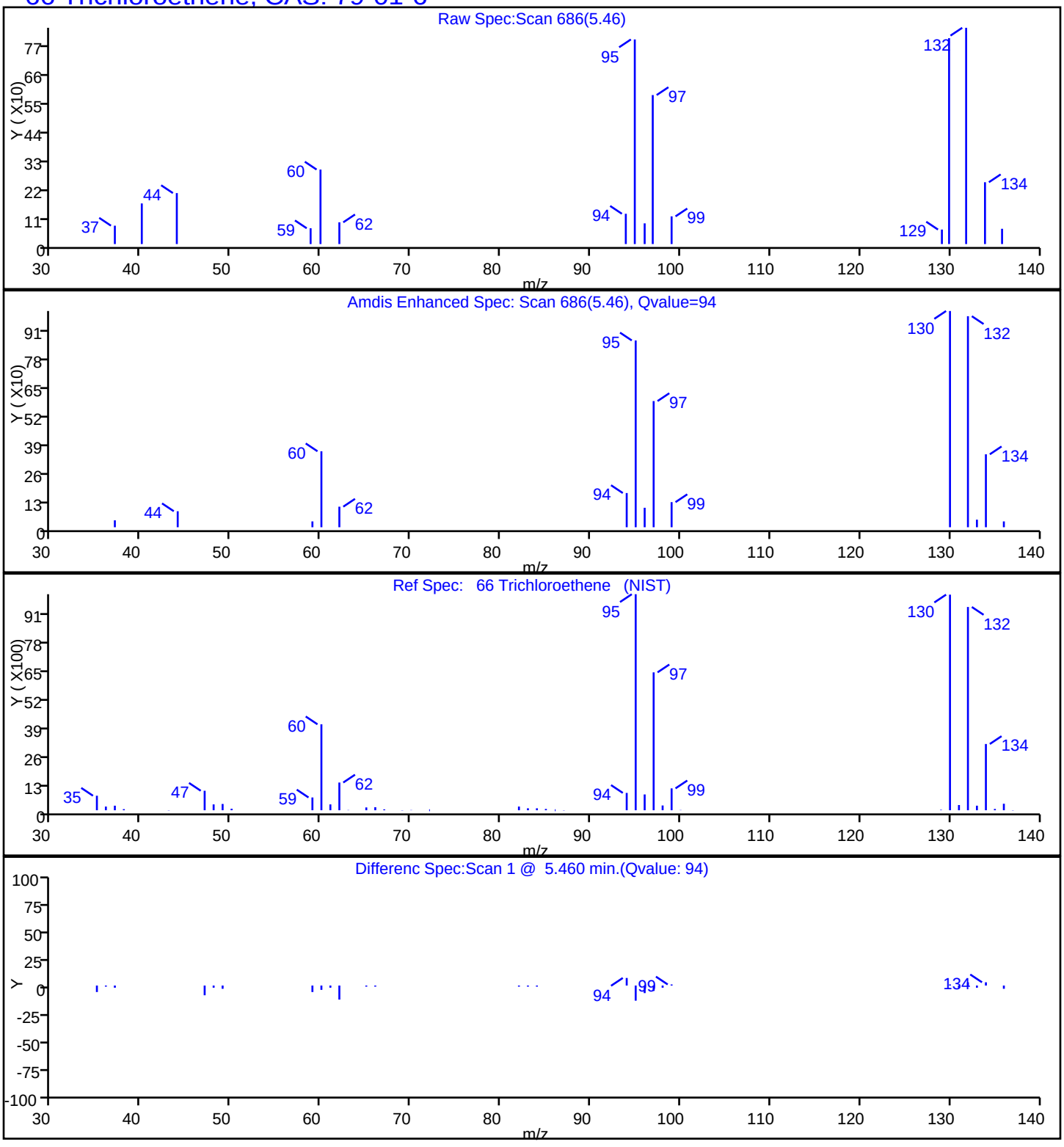
Report Date: 04-Oct-2017 16:29:08 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\A46748.D

Injection Date:	03-Oct-2017 21:10:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-A-6	Lab Sample ID:	460-141629-6		
Client ID:	MW-24				
Operator ID:	VOA GC/MS1	ALS Bottle#:	34	Worklist Smp#:	40
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

66 Trichloroethene, CAS: 79-01-6



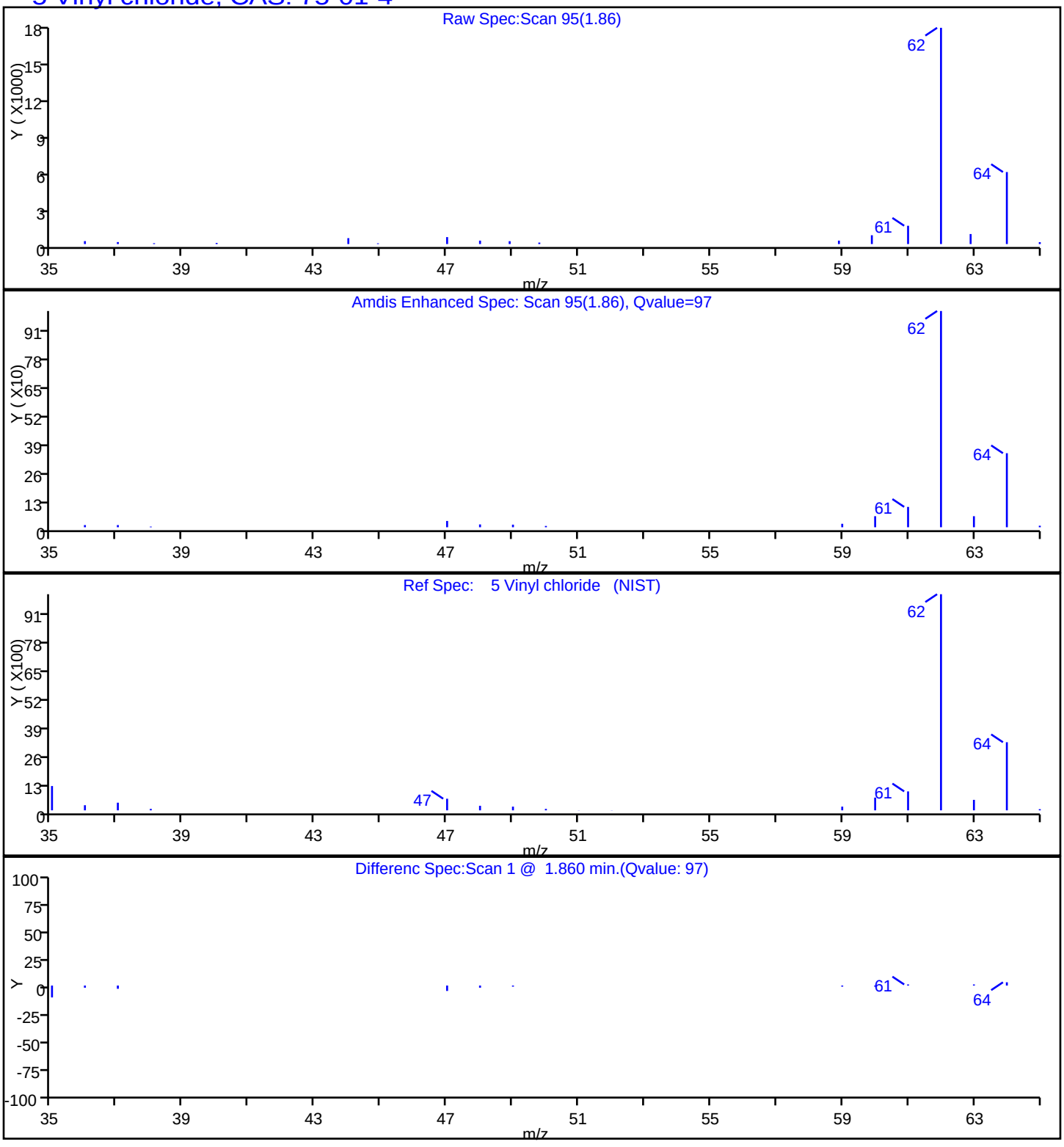
Report Date: 04-Oct-2017 16:29:08 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\A46748.D

Injection Date:	03-Oct-2017 21:10:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-A-6	Lab Sample ID:	460-141629-6		
Client ID:	MW-24				
Operator ID:	VOA GC/MS1	ALS Bottle#:	34	Worklist Smp#:	40
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

5 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: MW-71 | Lab Sample ID: 460-141629-7

Matrix: Water | Lab File ID: A46548.D

Analysis Method: 624 | Date Collected: 09/20/2017 12:35

Sample wt/vol: 5(mL) | Date Analyzed: 09/30/2017 05:01

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.: 465797 | 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	0.91	J	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	5.3		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	84		1.0	0.24
75-00-3	Chloroethane	1.4		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	0.27	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	0.28	U	2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Client Sample ID: MW-71 Lab Sample ID: 460-141629-7

Matrix: Water Lab File ID: A46548.D

Analysis Method: 624 Date Collected: 09/20/2017 12:35

Sample wt/vol: 5(mL) Date Analyzed: 09/30/2017 05:01

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.: 465797 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		48-130
460-00-4	Bromofluorobenzene	104		71-131
2037-26-5	Toluene-d8 (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	108		80-120

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

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: MW-71 | Lab Sample ID: 460-141629-7

Matrix: Water | Lab File ID: A46548.D

Analysis Method: 624 | Date Collected: 09/20/2017 12:35

Sample wt/vol: 5(mL) | Date Analyzed: 09/30/2017 05:01

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.: 465797 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 18

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
60-29-7	Ethyl ether	2.68	18	J N	91%

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46548.D
Lims ID: 460-141629-B-7
Client ID: MW-71
Sample Type: Client
Inject. Date: 30-Sep-2017 05:01:30 ALS Bottle#: 47 Worklist Smp#: 57
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-141629-B-7
Misc. Info.: 460-0061064-057
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 02-Oct-2017 12:21:12 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: delpolitov Date: 02-Oct-2017 12:23:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
8 Chloroethane	64	2.238	2.238	0.000	53	2135	1.44	
* 28 TBA-d9 (IS)	65	3.353	3.366	-0.013	96	146008	1000.0	
35 1,1-Dichloroethane	63	3.902	3.902	0.000	97	4403	0.9146	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	95	168115	250.0	
$ 52 Dibromofluoromethane (Surr	113	4.713	4.713	0.000	98	127335	53.9	
58 Benzene	78	4.975	4.975	0.000	95	58193	5.31	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	96	120856	46.7	
* 64 Fluorobenzene	96	5.194	5.195	-0.001	99	445414	50.0	
* 71 1,4-Dioxane-d8	96	5.713	5.719	-0.006	86	18003	1000.0	
$ 81 Toluene-d8 (Surr)	98	6.530	6.530	0.000	99	437535	48.8	
82 Toluene	91	6.591	6.591	0.000	87	3087	0.2667	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	83	327320	50.0	
93 Chlorobenzene	112	7.700	7.700	0.000	98	614135	84.2	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	97	163982	51.8	
* 119 1,4-Dichlorobenzene-d4	152	9.084	9.084	0.000	93	206807	50.0	

Reagents:

8260ISNEW_00113 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00159 Amount Added: 1.00 Units: uL Run Reagent

TestAmerica Edison
Tentatively Identified Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46548.D				
Lims ID:	460-141629-B-7				
Client ID:	MW-71				
Sample Type:	Client				
Inject. Date:	30-Sep-2017 05:01:30	ALS Bottle#:	47	Worklist Smp#:	57
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-141629-B-7				
Misc. Info.:	460-0061064-057				
Operator ID:	VOA GC/MS1	Instrument ID:	CVOAMS1		
Method:	\\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\8260624W_1.m				
Limit Group:	VOA 624 ICAL				
Last Update:	02-Oct-2017 12:21:12	Calib Date:	07-Aug-2017 08:54:30		
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:	XAWRK025				
First Level Reviewer: delpolitov		Date:	02-Oct-2017 12:23:05		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
60-29-7 Ethyl ether								
2.677	314796	18.1	64	91	824	C4H10O	74	

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 64 Fluorobenzene	5.194	869430	50.0

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00159	Amount Added:	1.00	Units: uL	Run Reagent

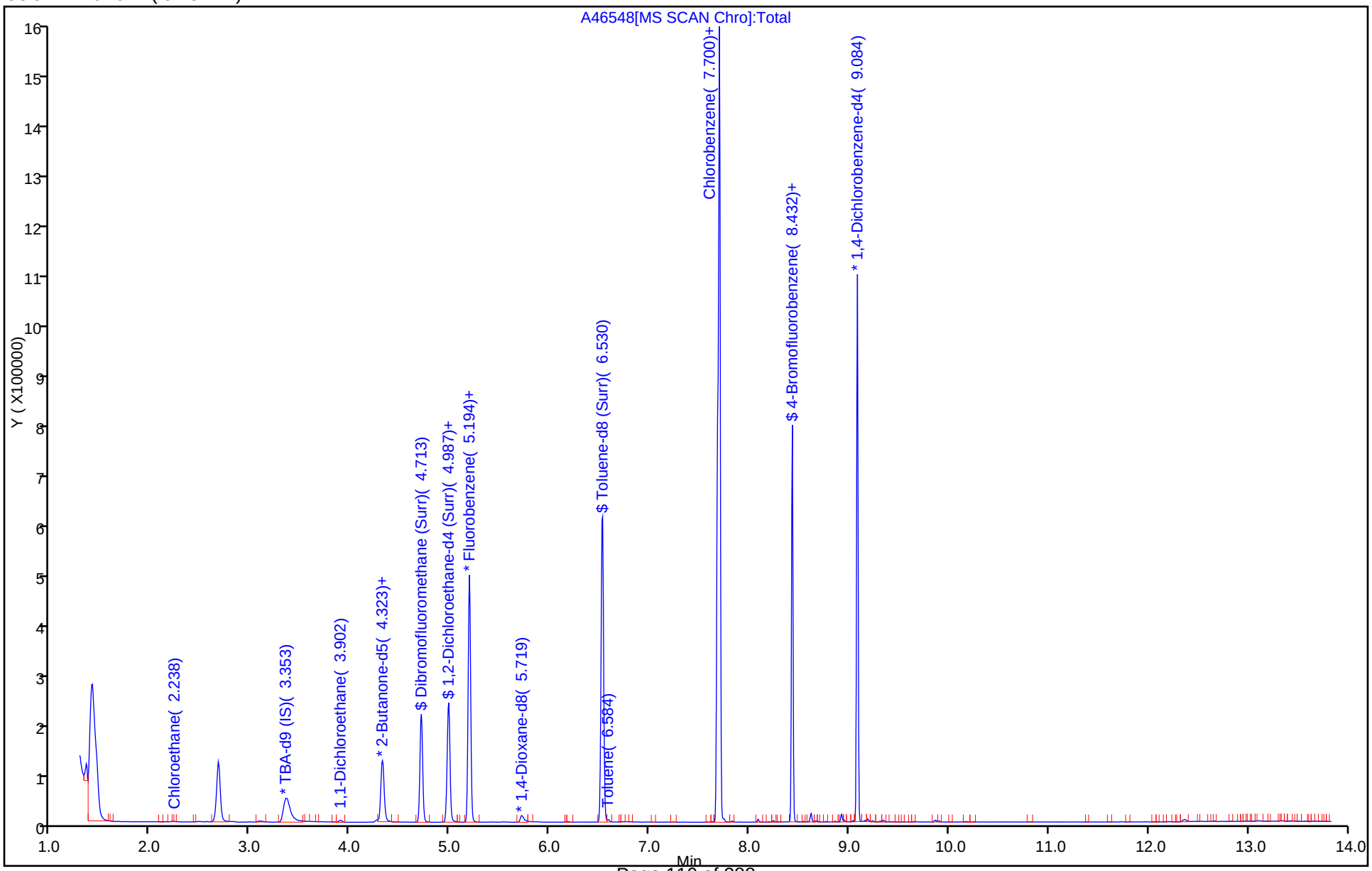
Report Date: 02-Oct-2017 12:23:06 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46548.D

Injection Date:	30-Sep-2017 05:01:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	460-141629-B-7	Lab Sample ID:	460-141629-7	Worklist Smp#:	57
Client ID:	MW-71				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	47
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



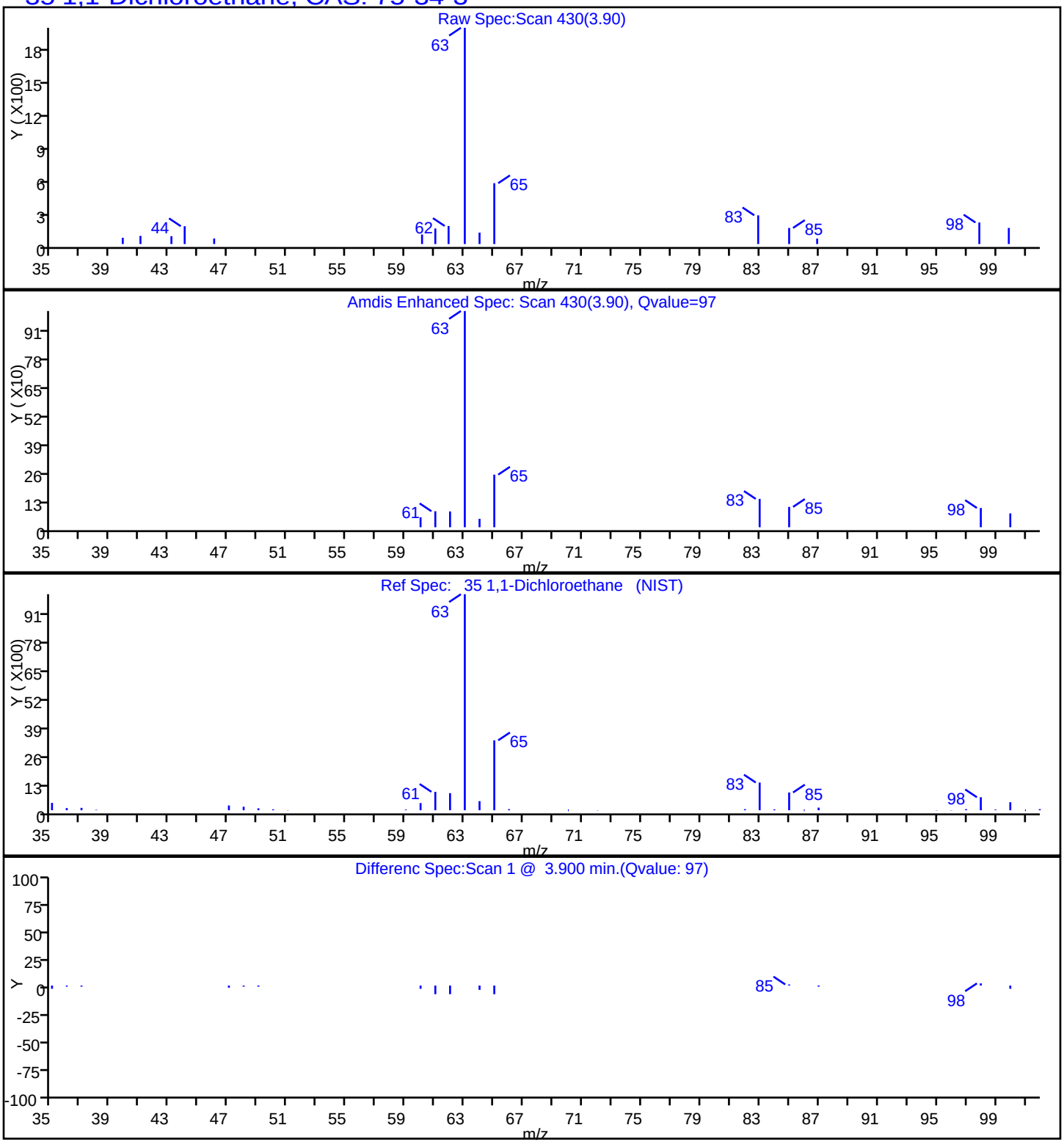
Report Date: 02-Oct-2017 12:23:06 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46548.D

Injection Date:	30-Sep-2017 05:01:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-B-7	Lab Sample ID:	460-141629-7		
Client ID:	MW-71				
Operator ID:	VOA GC/MS1	ALS Bottle#:	47	Worklist Smp#:	57
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

35 1,1-Dichloroethane, CAS: 75-34-3



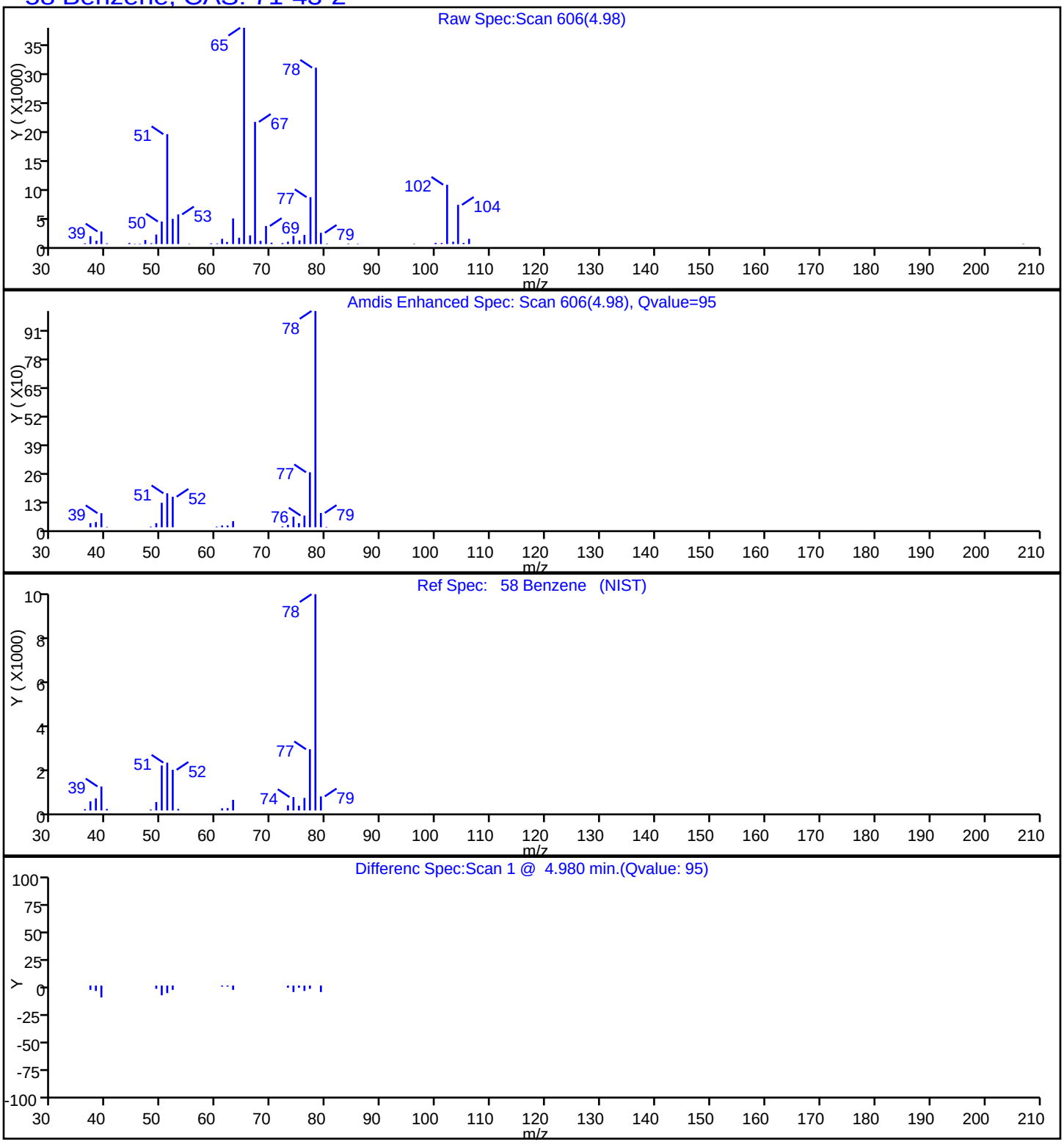
Report Date: 02-Oct-2017 12:23:06 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46548.D

Injection Date:	30-Sep-2017 05:01:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-B-7	Lab Sample ID:	460-141629-7		
Client ID:	MW-71				
Operator ID:	VOA GC/MS1	ALS Bottle#:	47	Worklist Smp#:	57
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

58 Benzene, CAS: 71-43-2



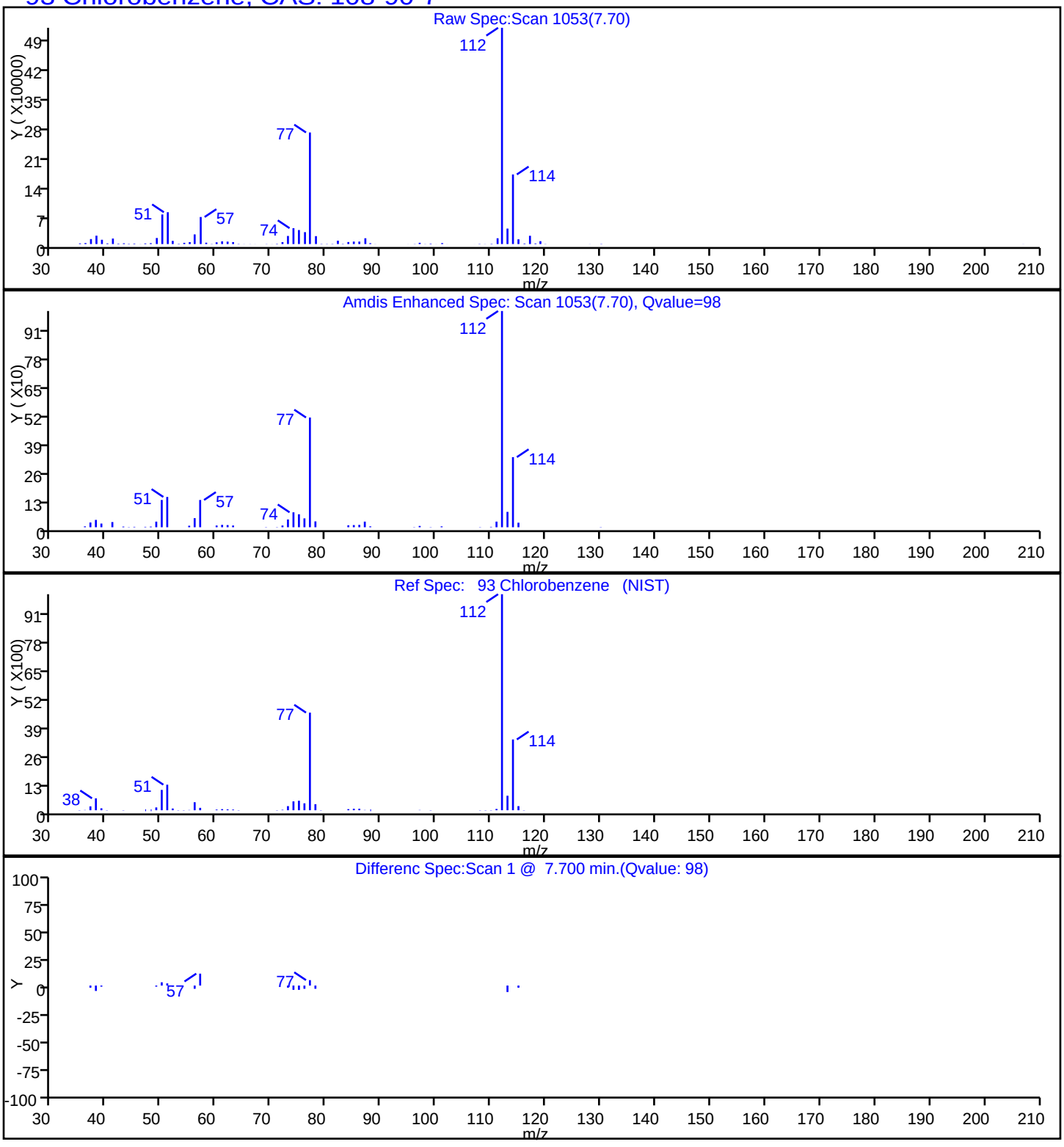
Report Date: 02-Oct-2017 12:23:06 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46548.D

Injection Date:	30-Sep-2017 05:01:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-B-7	Lab Sample ID:	460-141629-7		
Client ID:	MW-71				
Operator ID:	VOA GC/MS1	ALS Bottle#:	47	Worklist Smp#:	57
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

93 Chlorobenzene, CAS: 108-90-7



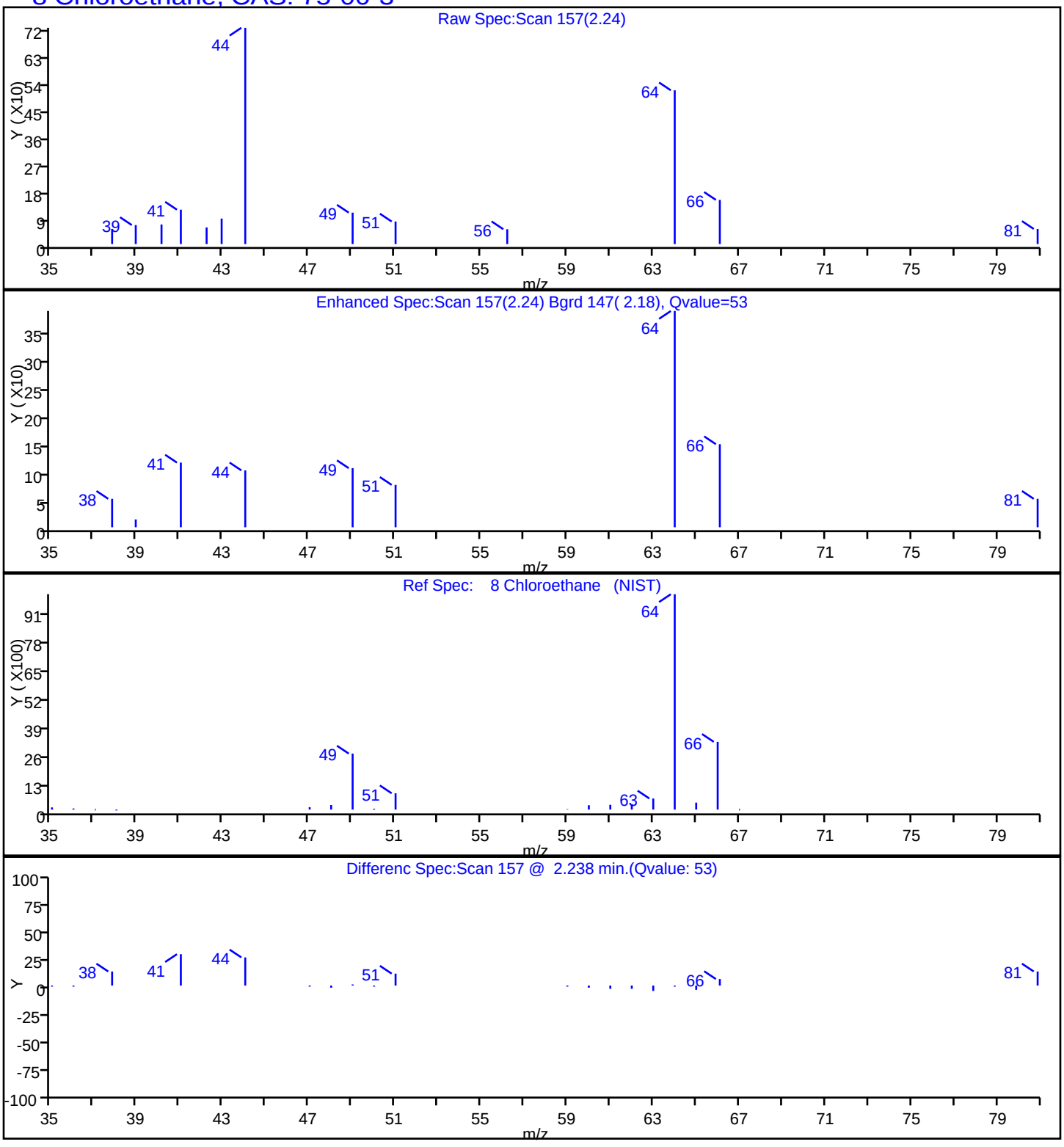
Report Date: 02-Oct-2017 12:23:06 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46548.D

Injection Date:	30-Sep-2017 05:01:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-B-7	Lab Sample ID:	460-141629-7		
Client ID:	MW-71				
Operator ID:	VOA GC/MS1	ALS Bottle#:	47	Worklist Smp#:	57
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

8 Chloroethane, CAS: 75-00-3



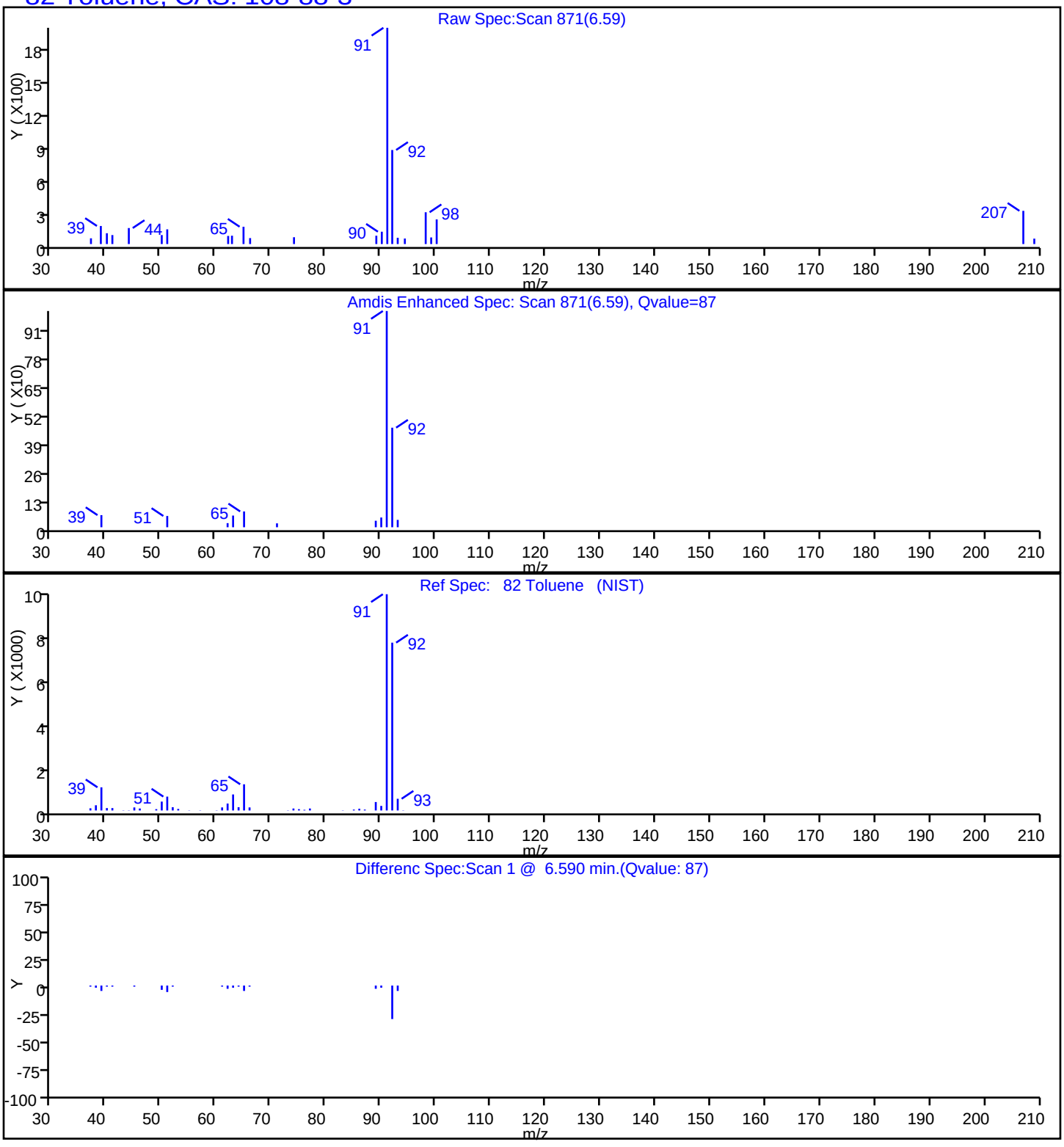
Report Date: 02-Oct-2017 12:23:06 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46548.D

Injection Date:	30-Sep-2017 05:01:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-B-7	Lab Sample ID:	460-141629-7		
Client ID:	MW-71				
Operator ID:	VOA GC/MS1	ALS Bottle#:	47	Worklist Smp#:	57
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

82 Toluene, CAS: 108-88-3



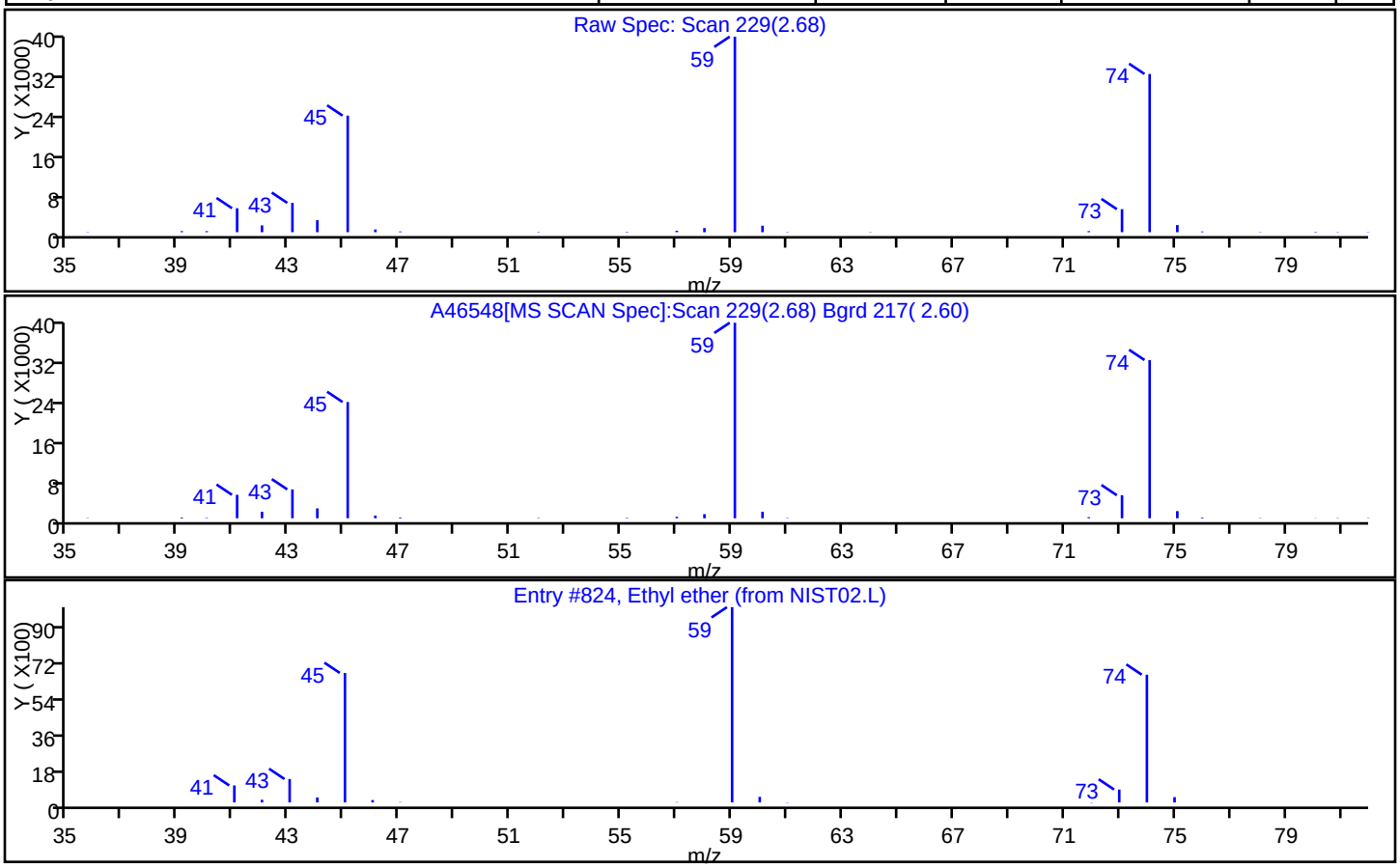
Report Date: 02-Oct-2017 12:23:06 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46548.D

Injection Date:	30-Sep-2017 05:01:30	Instrument ID:	CVOAMS1		
Lims ID:	460-141629-B-7	Lab Sample ID:	460-141629-7		
Client ID:	MW-71				
Operator ID:	VOA GC/MS1	ALS Bottle#:	47	Worklist Smp#:	57
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
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.: 460-141629-1 Analy Batch No.: 454421

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2017 06:15 Calibration End Date: 08/07/2017 08:54 Calibration ID: 63565

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-454421/2	A43574.D
Level 2	STD1 460-454421/4	A43576.D
Level 3	STD5 460-454421/5	A43577.D
Level 4	STD20 460-454421/6	A43578.D
Level 5	STD50 460-454421/7	A43579.D
Level 6	STD200 460-454421/8	A43580.D
Level 7	STD500 460-454421/9	A43581.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								
Dichlorodifluoromethane	+++++ 0.3356	0.3584 0.3495	0.2138	0.2533	0.2961	Ave		0.3011				19.2		35.0			
Chloromethane	+++++ 0.3143	0.3533 0.3160	0.2688	0.2997	0.2801	Ave		0.3054				9.8		35.0			
Butadiene	+++++ 0.2991	0.3589 0.3011	0.2391	0.2726	0.2645	Ave		0.2892				14.2		35.0			
Vinyl chloride	+++++ 0.3125	0.3432 0.3181	0.2674	0.2991	0.2816	Ave		0.3037				8.9		35.0			
Bromomethane	+++++ 0.1862	0.2312 0.1801	0.1668	0.1857	0.1709	Ave		0.1868				12.4		35.0			
Chloroethane	+++++ 0.1677	0.2024 0.1633	0.1442	0.1670	0.1525	Ave		0.1662				12.0		35.0			
Trichlorofluoromethane	+++++ 0.3415	0.3630 0.3417	0.2771	0.3187	0.3062	Ave		0.3247				9.4		35.0			
n-Pentane	+++++ 0.0438	0.0466 0.0439	0.0535	0.0409	0.0442	Ave		0.0455				9.5		35.0			
Ethanol	+++++ 0.0431	0.0917 0.0423	0.0809	0.0619	0.0458	Ave		0.0609				34.8		35.0			
Ethyl ether	+++++ 0.2106	0.2688 0.2093	0.2576	0.2134	0.2159	Ave		0.2293				11.6		35.0			
Isoprene	+++++ 0.2217	0.2376 0.2216	0.2509	0.2208	0.2216	Ave		0.2290				5.5		35.0			
Acrolein	+++++ 0.7321	0.9427 +++++	1.0202	1.1726	0.7389	Ave		0.9213				20.5		35.0			
Freon TF	+++++ 0.2445	0.1913 0.2452	0.2555	0.2298	0.2427	Ave		0.2348				9.7		35.0			
1,1-Dichloroethene	+++++ 0.2404	0.2483 0.2364	0.2720	0.2483	0.2386	Ave		0.2473				5.3		35.0			

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.: 460-141629-1 Analy Batch No.: 454421

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2017 06:15 Calibration End Date: 08/07/2017 08:54 Calibration ID: 63565

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								
Acetone	+++++ 0.2322	0.3371 0.2056	0.3244	0.2251	0.2648	Ave		0.2649				20.6		35.0			
Iodomethane	+++++ 0.4535	0.4760 0.4323	0.5412	0.4521	0.4630	Ave		0.4697				8.1		35.0			
Carbon disulfide	+++++ 0.9381	1.0672 0.9068	1.0313	0.9090	0.9281	Ave		0.9634				7.1		35.0			
Isopropanol	+++++ 0.6655	0.8275 0.6654	0.8322	0.6727	0.6704	Ave		0.7223				11.5		35.0			
Allyl chloride	+++++ 0.1807	0.1973 0.1803	0.2166	0.1881	0.1847	Ave		0.1913				7.3		35.0			
Methyl acetate	+++++ 0.2025	0.2069 0.1961	0.2287	0.2052	0.2046	Ave		0.2073				5.4		35.0			
Acetonitrile	+++++ 1.8541	1.4052 1.7987	1.4434	1.7787	1.6399	Ave		1.6533				11.6		35.0			
Methylene Chloride	+++++ 0.2973	0.3199 0.2900	0.3745	0.3126	0.3081	Ave		0.3171				9.5		35.0			
TBA	+++++ 1.3008	1.6047 1.2805	1.4265	1.2818	1.2368	Ave		1.3552				10.2		35.0			
MTBE	+++++ 0.7471	0.8374 0.7407	0.8897	0.7765	0.7577	Ave		0.7915				7.5		35.0			
trans-1,2-Dichloroethene	+++++ 0.2930	0.3162 0.2901	0.3661	0.3045	0.2984	Ave		0.3114				9.1		35.0			
Acrylonitrile	0.1859 0.1113	0.1146 0.1096	0.1264	0.1175	0.1148	Lin2	0.1416	0.1130							0.9960		0.9900
Hexane	+++++ 0.2581	0.2116 0.2539	0.2782	0.2554	0.2587	Ave		0.2527				8.7		35.0			
DIPE	+++++ 0.8773	1.0737 0.8586	1.1044	0.9570	0.9138	Ave		0.9641				10.7		35.0			
1,1-Dichloroethane	+++++ 0.5104	0.5473 0.4981	0.6328	0.5325	0.5213	Ave		0.5404				8.9		35.0			
Vinyl acetate	+++++ 0.0630	0.0650 0.0646	0.0645	0.0586	0.0602	Ave		0.0627				4.2		35.0			
2,2-Dichloropropane	+++++ 0.0972	0.1449 +++++	0.1244	0.1012	0.0986	Ave		0.1133				18.5		35.0			
cis-1,2-Dichloroethene	+++++ 0.3368	0.3623 0.3334	0.4199	0.3522	0.3401	Ave		0.3574				9.1		35.0			
2-Butanone	+++++ 0.2993	0.3604 0.2819	0.3437	0.2918	0.2980	Ave		0.3125				10.1		35.0			
Ethyl acetate	+++++ 0.2657	0.4820 0.2613	0.3331	0.2492	0.2674	Lin2	0.4479	0.2621							0.9960		0.9900

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.: 460-141629-1 Analy Batch No.: 454421

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2017 06:15 Calibration End Date: 08/07/2017 08:54 Calibration ID: 63565

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								
Bromochloromethane	+++++ 0.1541	0.1751 0.1493	0.1883	0.1629	0.1555	Ave		0.1642				9.0		35.0			
Tetrahydrofuran	+++++ 0.3363	0.3899 0.3062	0.4098	0.3634	0.3331	Ave		0.3564				10.9		35.0			
Chloroform	+++++ 0.4924	0.5299 0.4552	0.6171	0.5141	0.4950	Ave		0.5173				10.6		35.0			
Cyclohexane	+++++ 0.5265	0.4833 0.4984	0.5662	0.5346	0.5290	Ave		0.5230				5.6		35.0			
1,1,1-Trichloroethane	+++++ 0.3945	0.4265 0.3726	0.4593	0.3986	0.3914	Ave		0.4072				7.6		35.0			
Carbon tetrachloride	+++++ 0.3464	0.3574 0.3411	0.3882	0.3396	0.3348	Ave		0.3513				5.6		35.0			
1,1-Dichloropropene	+++++ 0.3910	0.4164 0.3859	0.4504	0.3883	0.3796	Ave		0.4019				6.7		35.0			
Benzene	+++++ 1.6337	1.7121 1.4598	1.9402	1.6742	1.6263	Ave		1.6744				9.3		35.0			
Isopropyl acetate	+++++ 0.8168	0.9221 0.7755	1.0148	0.8819	0.8728	Ave		0.8807				9.5		35.0			
1,2-Dichloroethane	+++++ 0.3407	0.3824 0.3222	0.4087	0.3499	0.3413	Ave		0.3575				8.9		35.0			
n-Heptane	+++++ 0.2423	0.2592 0.2265	0.3272	0.2495	0.2622	Ave		0.2612				13.3		35.0			
n-Butanol	+++++ 0.3435	0.3770 0.3685	0.3582	0.3176	0.3334	Ave		0.3497				6.4		35.0			
Trichloroethene	+++++ 0.2938	0.3183 0.2986	0.3498	0.2800	0.2840	Ave		0.3041				8.6		35.0			
Ethyl acrylate	+++++ 0.1851	0.1626 0.1847	0.1972	0.1876	0.1841	Ave		0.1835				6.2		35.0			
Methylcyclohexane	+++++ 0.4995	0.4729 0.4886	0.5498	0.5142	0.5037	Ave		0.5048				5.2		35.0			
1,2-Dichloropropane	+++++ 0.2949	0.3192 0.2894	0.3810	0.2957	0.2896	Ave		0.3116				11.5		35.0			
Methyl methacrylate	+++++ 0.0738	0.0798 0.0791	0.0869	0.0694	0.0716	Ave		0.0768				8.4		35.0			
1,4-Dioxane	+++++ 0.9311	1.3675 +++++	1.2545	1.2426	1.1622	Ave		1.1916				13.7		35.0			
Propyl acetate	+++++ 0.3639	0.4411 0.3877	0.4175	0.3581	0.3702	Ave		0.3897				8.5		35.0			
Dibromomethane	+++++ 0.1795	0.1993 0.1775	0.2160	0.1766	0.1766	Ave		0.1876				8.8		35.0			

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.: 460-141629-1 Analy Batch No.: 454421

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2017 06:15 Calibration End Date: 08/07/2017 08:54 Calibration ID: 63565

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								
Bromodichloromethane	+++++ 0.3714	0.3991 0.3736	0.4224	0.3482	0.3511	Ave		0.3776				7.6		35.0			
2-Chloroethyl vinyl ether	+++++ 0.1691	0.1657 0.1901	0.1890	0.1589	0.1671	Ave		0.1733				7.5		35.0			
Epichlorohydrin	0.2643 0.2454	0.2391 0.2419	0.2982	0.2582	0.2460	Ave		0.2562				8.0		35.0			
cis-1,3-Dichloropropene	+++++ 0.6611	0.6090 0.6609	0.7697	0.6192	0.6387	Ave		0.6598				8.8		35.0			
MIBK	+++++ 2.6153	2.6937 2.3829	2.9660	2.6769	2.6200	Ave		2.6591				7.0		35.0			
Toluene	+++++ 1.7179	1.8525 1.6629	2.0129	1.6952	1.6687	Ave		1.7683				7.8		35.0			
trans-1,3-Dichloropropene	+++++ 0.5636	0.5224 0.5824	0.6521	0.5289	0.5527	Ave		0.5670				8.3		35.0			
1,1,2-Trichloroethane	+++++ 0.3020	0.3370 0.3011	0.3701	0.3093	0.2998	Ave		0.3199				8.8		35.0			
Tetrachloroethene	+++++ 0.4215	0.4280 0.4039	0.4651	0.4120	0.4092	Ave		0.4233				5.3		35.0			
1,3-Dichloropropane	+++++ 0.5801	0.5807 0.5906	0.6485	0.5628	0.5723	Ave		0.5892				5.2		35.0			
2-Hexanone	+++++ 1.6140	1.8449 1.5320	1.9613	1.6742	1.6689	Ave		1.7159				9.2		35.0			
Butyl acetate	+++++ 0.1011	0.1303 0.1036	0.1303	0.1118	0.1043	Ave		0.1136				11.8		35.0			
Dibromochloromethane	+++++ 0.4037	0.3688 0.3910	0.4456	0.3769	0.3868	Ave		0.3955				6.9		35.0			
1,2-Dibromoethane	+++++ 0.3543	0.3487 0.3574	0.4071	0.3433	0.3514	Ave		0.3604				6.5		35.0			
Chlorobenzene	+++++ 1.0954	1.0763 1.0747	1.2976	1.0632	1.0742	Ave		1.1136				8.1		35.0			
Ethylbenzene	+++++ 0.5995	0.6291 0.5534	0.7102	0.6048	0.5932	Ave		0.6150				8.6		35.0			
1,1,1,2-Tetrachloroethane	+++++ 0.4122	0.3690 0.3642	0.4649	0.4099	0.4031	Ave		0.4039				9.0		35.0			
m-Xylene & p-Xylene	+++++ 0.7617	0.7686 0.6772	0.8967	0.7669	0.7549	Ave		0.7710				9.2		35.0			
n-Butyl acrylate	+++++ 0.3339	0.4005 0.3312	0.4136	0.3550	0.3483	Ave		0.3638				9.6		35.0			
o-Xylene	+++++ 0.7625	0.7887 0.6667	0.9167	0.7935	0.7635	Ave		0.7819				10.3		35.0			

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.: 460-141629-1 Analy Batch No.: 454421

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2017 06:15 Calibration End Date: 08/07/2017 08:54 Calibration ID: 63565

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								
Styrene	+++++ 1.3158	1.3488 1.1574	1.6032	1.3627	1.3201	Ave		1.3513				10.6		35.0			
Amyl acetate	+++++ 1.3933	1.4235 1.7167	1.5913	1.3338	1.3354	Ave		1.4657				10.6		35.0			
Bromoform	+++++ 0.3012	0.2880 0.2731	0.3163	0.2911	0.2957	Ave		0.2942				4.9		35.0			
Isopropylbenzene	+++++ 2.0431	2.0280 1.7549	2.3229	2.1094	2.0571	Ave		2.0526				8.9		35.0			
Bromobenzene	+++++ 0.8693	0.8199 1.0547	0.9761	0.7903	0.7963	Ave		0.8845				12.2		35.0			
1,1,2,2-Tetrachloroethane	+++++ 0.9352	0.8934 1.0978	1.0117	0.8730	0.8988	Ave		0.9517				9.1		35.0			
N-Propylbenzene	+++++ 4.2108	3.8726 4.8059	4.5943	3.8180	3.8838	Ave		4.1976				10.0		35.0			
1,2,3-Trichloropropane	+++++ 0.2496	0.2597 0.2763	0.2943	0.2341	0.2383	Ave		0.2587				8.9		35.0			
2-Chlorotoluene	+++++ 2.8338	2.6776 2.9616	3.2188	2.6940	2.7147	Ave		2.8501				7.4		35.0			
1,3,5-Trimethylbenzene	+++++ 2.9166	2.7484 2.9701	3.2108	2.7578	2.7792	Ave		2.8971				6.2		35.0			
4-Chlorotoluene	+++++ 2.5086	2.3433 2.4239	2.9094	2.3483	2.3998	Ave		2.4889				8.6		35.0			
Butyl Methacrylate	+++++ 1.1242	1.1304 1.0670	1.2469	1.0784	1.1045	Ave		1.1252				5.7		35.0			
tert-Butylbenzene	+++++ 2.4521	2.0780 2.6121	2.5703	2.1587	2.2501	Ave		2.3535				9.5		35.0			
1,2,4-Trimethylbenzene	+++++ 3.0540	2.8544 3.0049	3.3942	2.9142	2.9275	Ave		3.0249				6.4		35.0			
sec-Butylbenzene	+++++ 3.5988	3.3818 3.6042	3.8438	3.3158	3.3957	Ave		3.5234				5.6		35.0			
p-Isopropyltoluene	+++++ 3.0904	3.0089 3.1325	3.4438	2.8989	2.9775	Ave		3.0920				6.2		35.0			
1,3-Dichlorobenzene	+++++ 1.7199	1.6979 1.6033	2.0158	1.6871	1.6787	Ave		1.7338				8.3		35.0			
1,4-Dichlorobenzene	+++++ 1.7224	1.6885 1.5613	2.0667	1.6928	1.7222	Ave		1.7423				9.7		35.0			
1,2,3-Trimethylbenzene	+++++ 2.9893	3.0404 2.6679	3.6093	3.0530	3.0050	Ave		3.0608				10.0		35.0			
Benzyl chloride	+++++ 1.9149	1.9081 1.9031	2.1186	1.8744	1.9124	Ave		1.9386				4.6		35.0			

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.: 460-141629-1 Analy Batch No.: 454421

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2017 06:15 Calibration End Date: 08/07/2017 08:54 Calibration ID: 63565

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-Butylbenzene	+++++ 1.5451	1.6821 1.2745	1.8198	1.5668	1.5746	Ave		1.5771				11.4		35.0			
1,2-Dichlorobenzene	+++++ 1.6323	1.6014 1.4102	1.9315	1.6516	1.6525	Ave		1.6466				10.1		35.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1714	0.1878 0.1937	0.1748	0.1600	0.1621	Ave		0.1750				7.8		35.0			
1,2,4-Trichlorobenzene	+++++ 1.1712	1.0567 1.2788	1.2043	1.0584	1.0775	Ave		1.1411				8.0		35.0			
Hexachlorobutadiene	+++++ 0.5254	0.5546 0.5402	0.5533	0.4935	0.4993	Ave		0.5277				5.0		35.0			
Naphthalene	+++++ 2.7951	2.3989 3.1456	2.7343	2.4616	2.5629	Ave		2.6831				10.2		35.0			
1,2,3-Trichlorobenzene	+++++ 0.9416	0.8207 1.0166	0.9752	0.8693	0.8790	Ave		0.9171				8.0		35.0			
Dibromofluoromethane (Surr)	0.2539 0.2621	0.2739 0.2504	0.2698	0.2779	0.2676	Ave		0.2651				3.8		35.0			
1,2-Dichloroethane-d4 (Surr)	0.2840 0.2959	0.2850 0.3017	0.2879	0.2903	0.2868	Ave		0.2902				2.2		35.0			
Toluene-d8 (Surr)	1.3078 1.3881	1.3692 1.3420	1.3753	1.4049	1.3913	Ave		1.3684				2.4		35.0			
Bromofluorobenzene	0.4710 0.4703	0.5119 0.4318	0.4965	0.5092	0.4913	Ave		0.4831				5.8		35.0			

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.: 460-141629-1 Analy Batch No.: 454421

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2017 06:15 Calibration End Date: 08/07/2017 08:54 Calibration ID: 63565

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-454421/2	A43574.D
Level 2	STD1 460-454421/4	A43576.D
Level 3	STD5 460-454421/5	A43577.D
Level 4	STD20 460-454421/6	A43578.D
Level 5	STD50 460-454421/7	A43579.D
Level 6	STD200 460-454421/8	A43580.D
Level 7	STD500 460-454421/9	A43581.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
Dichlorodifluoromethane	FB	Ave	+++++ 589766	2861 1512654	8683	39408	122580	+++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	FB	Ave	+++++ 552389	2820 1367531	10920	46628	115954	+++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Ave	+++++ 525574	2865 1303202	9713	42415	109512	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	+++++ 549136	2740 1376864	10862	46541	116604	+++++ 200	1.00 500	5.00	20.0	50.0
Bromomethane	FB	Ave	+++++ 327237	1846 779683	6774	28888	70738	+++++ 200	1.00 500	5.00	20.0	50.0
Chloroethane	FB	Ave	+++++ 294723	1616 706912	5856	25980	63124	+++++ 200	1.00 500	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	+++++ 600182	2898 1478979	11257	49593	126777	+++++ 200	1.00 500	5.00	20.0	50.0
n-Pentane	FB	Ave	+++++ 154007	744 380137	4347	12721	36638	+++++ 400	2.00 1000	10.0	40.0	100
Ethanol	TBAd 9	Ave	+++++ 63593	686 161946	3093	8875	17398	+++++ 8000	40.0 20000	200	800	2000
Ethyl ether	FB	Ave	+++++ 370134	2146 906039	10462	33207	89376	+++++ 200	1.00 500	5.00	20.0	50.0
Isoprene	FB	Ave	+++++ 389497	1897 959227	10193	34360	91734	+++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBAd 9	Ave	+++++ 26976	705 +++++	3902	8411	14047	+++++ 200	4.00 +++++	20.0	40.0	100
Freon TF	FB	Ave	+++++ 429562	1527 1061363	10379	35753	100496	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethene	FB	Ave	+++++ 422373	1982 1023220	11047	38642	98788	+++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Ave	+++++ 217028	1390 526410	6935	18111	58842	+++++ 1000	5.00 2500	25.0	100	250

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

Lab Name: TestAmerica Edison Job No.: 460-141629-1 Analy Batch No.: 454421

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2017 06:15 Calibration End Date: 08/07/2017 08:54 Calibration ID: 63565

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
Iodomethane	FB	Ave	+++++ 796851	3800 1870932	21984	70352	191683	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon disulfide	FB	Ave	+++++ 1648450	8519 3924958	41891	141439	384263	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropanol	TBAd9	Ave	+++++ 245225	1547 637488	7957	24126	63728	+++++ 2000	10.0 5000	50.0	200	500
Allyl chloride	FB	Ave	+++++ 317546	1575 780181	8797	29271	76457	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	FB	Ave	+++++ 1779044	8259 4244451	46442	159607	423593	+++++ 1000	5.00 2500	25.0	100	250
Acetonitrile	TBAd9	Ave	+++++ 683223	2627 1723137	13802	63792	155879	+++++ 2000	10.0 5000	50.0	200	500
Methylene Chloride	FB	Ave	+++++ 522490	2554 1255292	15214	48647	127553	+++++ 200	1.00 500	5.00	20.0	50.0
TBA	TBAd9	Ave	+++++ 479306	3000 1226685	13640	45969	117559	+++++ 2000	10.0 5000	50.0	200	500
MTBE	FB	Ave	+++++ 1312895	6685 3206020	36141	120820	313705	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 514812	2524 1255620	14869	47386	123555	+++++ 200	1.00 500	5.00	20.0	50.0
Acrylonitrile	FB	Lin2	3779 1955763	9151 4745739	51350	182769	475506	2.00 2000	10.0 5000	50.0	200	500
Hexane	FB	Ave	+++++ 453462	1689 1099010	11302	39740	107120	+++++ 200	1.00 500	5.00	20.0	50.0
DIPE	FB	Ave	+++++ 1541649	8571 3716186	44859	148911	378329	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethane	FB	Ave	+++++ 896979	4369 2156003	25703	82852	215853	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	FB	Ave	+++++ 221542	1038 559164	5240	18241	49873	+++++ 400	2.00 1000	10.0	40.0	100
2,2-Dichloropropane	FB	Ave	+++++ 170788	1157 +++++	5054	15751	40804	+++++ 200	1.00 +++++	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 591764	2892 1443151	17057	54803	140796	+++++ 200	1.00 500	5.00	20.0	50.0
2-Butanone	BUT	Ave	+++++ 279735	1486 721728	7349	23475	66226	+++++ 1000	5.00 2500	25.0	100	250
Ethyl acetate	BUT	Lin2	+++++ 99330	795 267545	2849	8021	23773	+++++ 400	2.00 1000	10.0	40.0	100
Bromochloromethane	FB	Ave	+++++ 270811	1398 646389	7648	25347	64365	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrahydrofuran	BUT	Ave	+++++ 125705	643 313582	3505	11695	29611	+++++ 400	2.00 1000	10.0	40.0	100

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

Lab Name: TestAmerica Edison Job No.: 460-141629-1 Analy Batch No.: 454421

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2017 06:15 Calibration End Date: 08/07/2017 08:54 Calibration ID: 63565

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
Chloroform	FB	Ave	+++++ 865324	4230 1970216	25066	79993	204942	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	+++++ 925118	3858 2157280	23000	83175	219026	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	+++++ 693321	3405 1612687	18657	62024	162061	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	+++++ 608747	2853 1476341	15769	52845	138629	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	+++++ 687108	3324 1670395	18294	60421	157183	+++++ 200	1.00 500	5.00	20.0	50.0
Benzene	CBNZ d5	Ave	+++++ 2021254	9632 4754925	55810	177968	467562	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl acetate	FB	Ave	+++++ 1435387	7361 3356753	41221	137222	361347	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	+++++ 598726	3053 1394473	16601	54445	141320	+++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	Ave	+++++ 425851	2069 980448	13291	38825	108550	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butanol	TBAd 9	Ave	+++++ 316400	1762 882508	8562	28476	79231	+++++ 5000	25.0 12500	125	500	1250
Trichloroethene	FB	Ave	+++++ 516199	2541 1292283	14209	43567	117569	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acrylate	FB	Ave	+++++ 325261	1298 799279	8010	29183	76228	+++++ 200	1.00 500	5.00	20.0	50.0
Methylcyclohexane	FB	Ave	+++++ 877829	3775 2114615	22331	80008	208554	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	+++++ 518232	2548 1252533	15477	46011	119896	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl methacrylate	FB	Ave	+++++ 259252	1274 684857	7056	21597	59299	+++++ 400	2.00 1000	10.0	40.0	100
1,4-Dioxane	DXE	Ave	+++++ 96489	1357 +++++	2479	9564	24332	+++++ 4000	50.0 +++++	100	400	1000
Propyl acetate	FB	Ave	+++++ 639426	3521 1678102	16958	55717	153266	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromomethane	FB	Ave	+++++ 315447	1591 768106	8775	27479	73121	+++++ 200	1.00 500	5.00	20.0	50.0
Bromodichloromethane	FB	Ave	+++++ 652708	3186 1616929	17157	54173	145350	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 297234	1323 822627	7679	24726	69195	+++++ 200	1.00 500	5.00	20.0	50.0
Epichlorohydrin	BUT	Ave	1524 917476	3943 2477555	25501	83109	218664	5.00 4000	20.0 10000	100	400	1000

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

Lab Name: TestAmerica Edison Job No.: 460-141629-1 Analy Batch No.: 454421

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2017 06:15 Calibration End Date: 08/07/2017 08:54 Calibration ID: 63565

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-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 817958	3426 2152746	22139	65822	183622	+++++ 200	1.00 500	5.00	20.0	50.0
MIBK	BUT	Ave	+++++ 2444291	11107 6100344	63416	215371	582241	+++++ 1000	5.00 2500	25.0	100	250
Toluene	CBNZ d5	Ave	+++++ 2125508	10422 5416467	57900	180196	479756	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 697302	2939 1897123	18759	56216	158893	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 373614	1896 980760	10645	32883	86201	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 521512	2408 1315591	13378	43792	117639	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZ d5	Ave	+++++ 717773	3267 1923730	18654	59826	164538	+++++ 200	1.00 500	5.00	20.0	50.0
2-Hexanone	BUT	Ave	+++++ 1508435	7607 3921880	41934	134699	370876	+++++ 1000	5.00 2500	25.0	100	250
Butyl acetate	CBNZ d5	Ave	+++++ 125062	733 337481	3748	11882	29982	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromochloromethane	CBNZ d5	Ave	+++++ 499456	2075 1273473	12817	40064	111209	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromoethane	CBNZ d5	Ave	+++++ 438353	1962 1164063	11710	36493	101021	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorobenzene	CBNZ d5	Ave	+++++ 1355296	6055 3500769	37325	113019	308847	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZ d5	Ave	+++++ 741797	3539 1802530	20429	64288	170548	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 509997	2076 1186393	13373	43571	115890	+++++ 200	1.00 500	5.00	20.0	50.0
m-Xylene & p-Xylene	CBNZ d5	Ave	+++++ 942461	4324 2205803	25794	81517	217024	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBNZ d5	Ave	+++++ 413111	2253 1078957	11898	37741	100129	+++++ 200	1.00 500	5.00	20.0	50.0
o-Xylene	CBNZ d5	Ave	+++++ 943466	4437 2171688	26370	84343	219500	+++++ 200	1.00 500	5.00	20.0	50.0
Styrene	CBNZ d5	Ave	+++++ 1627973	7588 3770025	46116	144856	379536	+++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate	DCBd 4	Ave	+++++ 1013837	5328 2412236	29663	96871	250738	+++++ 200	1.00 500	5.00	20.0	50.0
Bromoform	CBNZ d5	Ave	+++++ 372601	1620 889662	9099	30941	85005	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropylbenzene	CBNZ d5	Ave	+++++ 2527826	11409 5716173	66819	224220	591432	+++++ 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.: 460-141629-1 Analy Batch No.: 454421

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2017 06:15 Calibration End Date: 08/07/2017 08:54 Calibration ID: 63565

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
Bromobenzene	DCBd 4	Ave	+++++ 632587	3069 1482002	18195	57400	149517	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 680522	3344 1542551	18858	63406	168758	+++++ 200	1.00 500	5.00	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	+++++ 3064001	14495 6752947	85639	277295	729226	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 181598	972 388211	5485	17002	44745	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chlorotoluene	DCBd 4	Ave	+++++ 2062009	10022 4161497	59999	195662	509726	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++ 2122283	10287 4173387	59850	200297	521822	+++++ 200	1.00 500	5.00	20.0	50.0
4-Chlorotoluene	DCBd 4	Ave	+++++ 1825413	8771 3405944	54232	170552	450589	+++++ 200	1.00 500	5.00	20.0	50.0
Butyl Methacrylate	DCBd 4	Ave	+++++ 818048	4231 1499300	23242	78321	207377	+++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 1784276	7778 3670316	47912	156780	422479	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 2222259	10684 4222327	63270	211653	549674	+++++ 200	1.00 500	5.00	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 2618723	12658 5064414	71650	240819	637581	+++++ 200	1.00 500	5.00	20.0	50.0
p-Isopropyltoluene	DCBd 4	Ave	+++++ 2248727	11262 4401597	64194	210542	559060	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 1251523	6355 2252796	37575	122531	315207	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 1253310	6320 2193828	38525	122945	323363	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	+++++ 2175174	11380 3748825	67279	221733	564232	+++++ 200	1.00 500	5.00	20.0	50.0
Benzyl chloride	DCBd 4	Ave	+++++ 1393373	7142 2674137	39491	136136	359073	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	+++++ 1124311	6296 1790862	33921	113792	295655	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 1187722	5994 1981497	36004	119951	310273	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 124738	703 272173	3259	11620	30429	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 852216	3955 1796866	22448	76869	202323	+++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 382317	2076 759017	10313	35842	93745	+++++ 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.: 460-141629-1 Analy Batch No.: 454421

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2017 06:15 Calibration End Date: 08/07/2017 08:54 Calibration ID: 63565

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
Naphthalene	DCBd 4	Ave	+++++ 2033869	8979 4420033	50968	178785	481225	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++ 685182	3072 1428451	18178	63137	165040	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	129005 115140	109325 108370	109575	108110	110781	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	144336 130000	113754 130574	116934	112930	118763	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	472865 429370	385152 437134	395593	373342	399995	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Bromofluorobenzene	CBNZ d5	Ave	170319 145466	144000 140637	142813	135322	141260	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43574.D
Lims ID: STD8
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 07-Aug-2017 06:15:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD8
Misc. Info.: 460-0058730-002
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 09-Aug-2017 10:27:59 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: desais Date: 07-Aug-2017 11:58:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 28 TBA-d9 (IS)	65	3.347	3.347	0.000	95	249241	1000.0	1000.0	
32 Acrylonitrile	53	3.603	3.597	0.006	97	3779	2.00	2.04	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	97	288357	250.0	250.0	
$ 52 Dibromofluoromethane (Surr	113	4.707	4.707	0.000	97	129005	50.0	47.9	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	98	144336	50.0	48.9	
* 64 Fluorobenzene	96	5.194	5.195	0.000	98	508139	50.0	50.0	
* 71 1,4-Dioxane-d8	96	5.719	5.719	0.000	87	25666	1000.0	1000.0	
78 Epichlorohydrin	57	6.274	6.261	0.013	98	1524	5.00	5.16	
$ 81 Toluene-d8 (Surr)	98	6.530	6.530	0.000	99	472865	50.0	47.8	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	86	361574	50.0	50.0	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	90	170319	50.0	48.7	
* 119 1,4-Dichlorobenzene-d4	152	9.084	9.090	-0.006	95	227914	50.0	50.0	

Reagents:

GAS Hi_00212	Amount Added:	0.00	Units: uL	
MIX I Hi_00076	Amount Added:	0.00	Units: uL	
MIX 2 Hi_00058	Amount Added:	0.00	Units: uL	
Ethanol mix_00003	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00036	Amount Added:	2.00	Units: uL	
ACROLEIN W_00067	Amount Added:	0.00	Units: uL	
14DIOXINTER_00071	Amount Added:	0.00	Units: uL	
8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00158	Amount Added:	1.00	Units: uL	Run Reagent

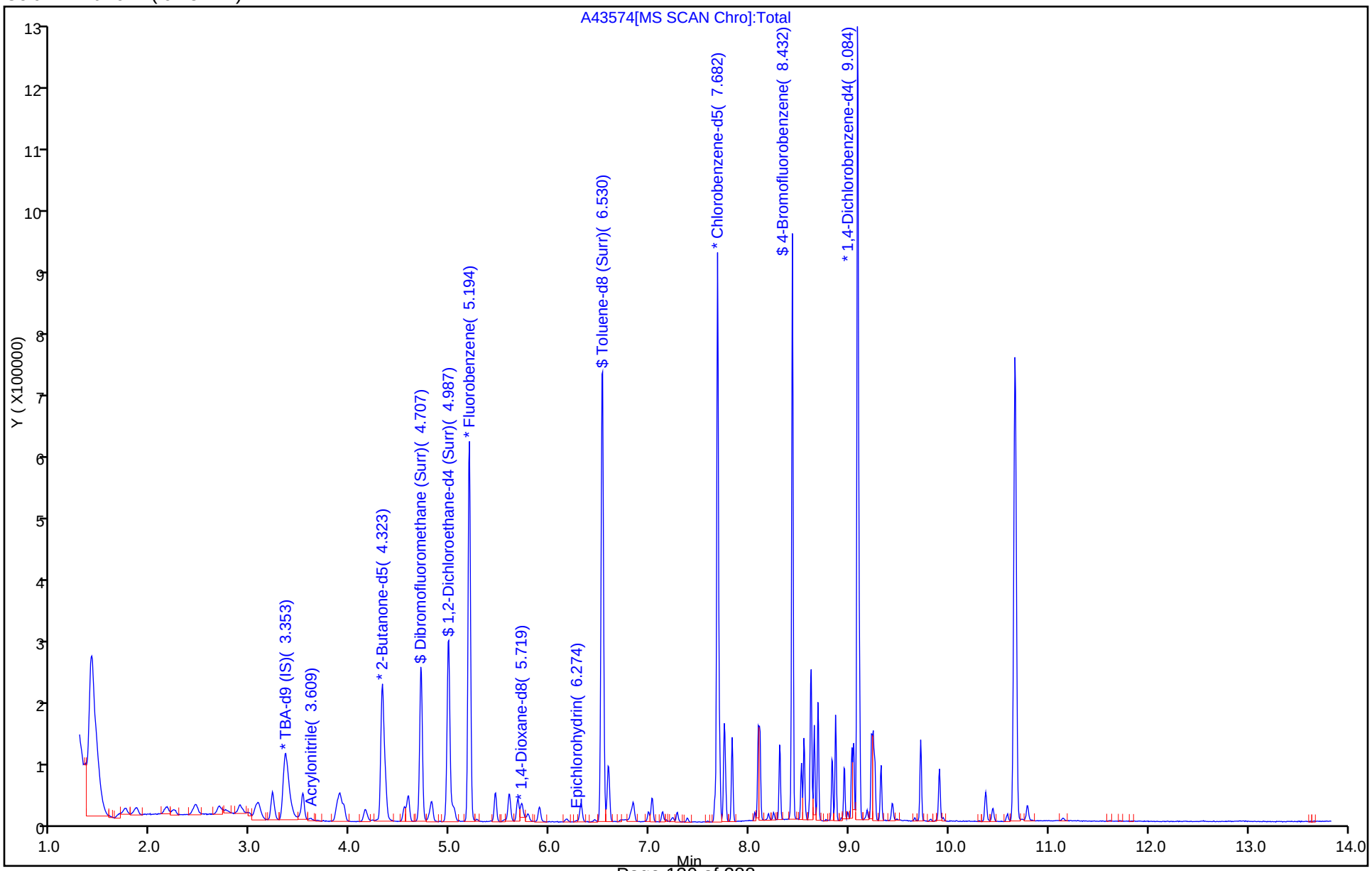
Report Date: 09-Aug-2017 10:28:02 Chrom Revision: 2.2 20-Jun-2017 07:42:38

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43574.D

Injection Date:	07-Aug-2017 06:15:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	STD8			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43576.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-Aug-2017 07:01:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0058730-004
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 09-Aug-2017 10:27:30 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: desais Date: 07-Aug-2017 12:05:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.537	1.543	-0.006	35	339	NC	NC	
3 Dichlorodifluoromethane	85	1.592	1.579	0.013	58	2861	1.00	1.19	
4 Chloromethane	50	1.738	1.732	0.006	71	2820	1.00	1.16	M
5 Vinyl chloride	62	1.841	1.842	-0.001	93	2740	1.00	1.13	
6 Butadiene	54	1.829	1.842	-0.013	95	2865	1.00	1.24	
7 Bromomethane	94	2.146	2.140	0.006	91	1846	1.00	1.24	
8 Chloroethane	64	2.213	2.213	0.000	51	1616	1.00	1.22	M
10 Dichlorofluoromethane	67	2.433	2.439	-0.006	86	3607	NC	NC	
9 Trichlorofluoromethane	101	2.451	2.451	0.000	71	2898	1.00	1.12	
11 Pentane	72	2.457	2.451	0.006	72	744	2.00	2.05	M
12 Ethanol	46	2.652	2.658	-0.006	85	686	40.0	60.2	
13 Ethyl ether	59	2.671	2.658	0.013	93	2146	1.00	1.17	
14 2-Methyl-1,3-butadiene	53	2.689	2.683	0.006	94	1897	1.00	1.04	
15 1,2-Dichloro-1,1,2-trifluo	117	2.732	2.738	-0.006	70	2105	NC	NC	M
16 Acrolein	56	2.853	2.847	0.006	47	705	4.00	4.09	M
17 1,1,2-Trichloro-1,2,2-trif	101	2.878	2.872	0.006	49	1527	1.00	0.8146	
18 1,1-Dichloroethene	96	2.890	2.884	0.006	95	1982	1.00	1.00	
19 Acetone	58	2.994	2.988	0.006	84	1390	5.00	6.36	M
20 Iodomethane	142	3.042	3.042	0.000	97	3800	1.00	1.01	
21 Carbon disulfide	76	3.079	3.073	0.006	99	8519	1.00	1.11	
22 Isopropyl alcohol	45	3.116	3.079	0.037	25	1547	10.0	11.5	
23 3-Chloro-1-propene	76	3.213	3.207	0.006	90	1575	1.00	1.03	
25 Cyclopentene	67	3.238	3.225	0.013	76	5751	NC	NC	
24 Methyl acetate	43	3.231	3.225	0.006	98	8259	5.00	4.99	
26 Acetonitrile	41	3.305	3.292	0.013	75	2627	10.0	8.50	M
27 Methylene Chloride	84	3.341	3.341	0.000	32	2554	1.00	1.01	
* 28 TBA-d9 (IS)	65	3.347	3.347	0.000	96	186953	1000.0	1000.0	
29 2-Methyl-2-propanol	59	3.427	3.427	0.000	97	3000	10.0	11.8	
30 Methyl tert-butyl ether	73	3.506	3.494	0.012	96	6685	1.00	1.06	
31 trans-1,2-Dichloroethene	96	3.518	3.518	0.000	97	2524	1.00	1.02	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Acrylonitrile	53	3.603	3.597	0.006	93	9151	10.0	8.89	M
33 Hexane	43	3.676	3.664	0.012	90	1689	1.00	0.8374	
34 Isopropyl ether	45	3.872	3.865	0.007	88	8571	1.00	1.11	
35 1,1-Dichloroethane	63	3.902	3.890	0.012	69	4369	1.00	1.01	
36 Vinyl acetate	86	3.920	3.914	0.006	100	1038	2.00	2.07	
37 2-Chloro-1,3-butadiene	88	3.933	3.933	0.000	88	2461	NC	NC	
38 Tert-butyl ethyl ether	59	4.146	4.146	0.000	88	7701	NC	NC	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	98	206167	250.0	250.0	
41 cis-1,2-Dichloroethene	96	4.347	4.347	0.000	96	2892	1.00	1.01	
40 2,2-Dichloropropane	97	4.335	4.347	-0.012	51	1157	1.00	1.28	
42 Ethyl acetate	70	4.378	4.365	0.013	93	795	2.00	1.97	
43 2-Butanone (MEK)	72	4.365	4.371	-0.006	96	1486	5.00	5.77	
44 Methyl acrylate	55	4.414	4.408	0.006	22	2281	NC	NC	
45 Propionitrile	54	4.481	4.481	0.000	99	3537	NC	NC	
46 Chlorobromomethane	128	4.536	4.536	0.000	91	1398	1.00	1.07	
47 Tetrahydrofuran	72	4.542	4.536	0.006	60	643	2.00	2.19	
48 Methacrylonitrile	67	4.560	4.560	0.000	92	10035	NC	NC	
49 Chloroform	83	4.585	4.579	0.006	98	4230	1.00	1.02	
50 Cyclohexane	56	4.695	4.689	0.007	39	3858	1.00	0.9241	
51 1,1,1-Trichloroethane	97	4.695	4.701	-0.006	42	3405	1.00	1.05	
$ 52 Dibromofluoromethane (Surr	113	4.707	4.707	0.000	97	109325	50.0	51.7	
54 Carbon tetrachloride	117	4.792	4.798	-0.006	96	2853	1.00	1.02	
55 1,1-Dichloropropene	75	4.817	4.817	-0.001	96	3324	1.00	1.04	
56 Isobutyl alcohol	43	4.938	4.920	0.018	35	3877	NC	NC	
57 Isooctane	57	4.938	4.945	-0.007	98	6716	NC	NC	
58 Benzene	78	4.975	4.975	0.000	46	9632	1.00	1.02	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	97	113754	50.0	49.1	
60 Isopropyl acetate	43	5.012	5.012	0.000	89	7361	1.00	1.05	
61 Tert-amyl methyl ether	73	5.018	5.018	0.000	85	8895	NC	NC	
62 1,2-Dichloroethane	62	5.048	5.042	0.006	96	3053	1.00	1.07	
63 n-Heptane	71	5.073	5.085	-0.012	89	2069	1.00	0.99	
* 64 Fluorobenzene	96	5.194	5.195	0.000	98	399142	50.0	50.0	
65 n-Butanol	56	5.402	5.408	-0.006	84	1762	25.0	27.0	
66 Trichloroethene	95	5.451	5.457	-0.006	94	2541	1.00	1.05	
67 Ethyl acrylate	56	5.536	5.548	-0.012	97	1298	1.00	0.8859	
68 Methylcyclohexane	83	5.560	5.554	0.006	91	3775	1.00	0.9368	
69 1,2-Dichloropropane	63	5.682	5.676	0.006	89	2548	1.00	1.02	
* 71 1,4-Dioxane-d8	96	5.719	5.719	0.000	87	19847	1000.0	1000.0	
70 Methyl methacrylate	100	5.725	5.725	0.000	61	1274	2.00	2.08	
72 n-Propyl acetate	43	5.768	5.768	0.000	98	3521	1.00	1.13	
73 1,4-Dioxane	88	5.761	5.768	-0.007	34	1357	50.0	57.4	
74 Dibromomethane	93	5.780	5.780	0.000	95	1591	1.00	1.06	
75 Dichlorobromomethane	83	5.896	5.896	0.000	99	3186	1.00	1.06	
76 2-Chloroethyl vinyl ether	63	6.158	6.164	-0.006	83	1323	1.00	0.9561	
77 2-Nitropropane	41	6.176	6.170	0.006	81	1335	NC	NC	
78 Epichlorohydrin	57	6.267	6.261	0.006	99	3943	20.0	18.7	
79 cis-1,3-Dichloropropene	75	6.316	6.310	0.006	92	3426	1.00	0.9230	
80 4-Methyl-2-pentanone (MIBK	43	6.450	6.450	0.000	96	11107	5.00	5.06	
$ 81 Toluene-d8 (Surr)	98	6.530	6.530	0.000	99	385152	50.0	50.0	
82 Toluene	91	6.591	6.591	0.000	93	10422	1.00	1.05	
83 trans-1,3-Dichloropropene	75	6.841	6.834	0.006	97	2939	1.00	0.9213	
84 Ethyl methacrylate	69	6.847	6.847	0.000	88	2916	NC	NC	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 1,1,2-Trichloroethane	83	6.993	6.993	0.000	95	1896	1.00	1.05	
86 Tetrachloroethene	166	7.023	7.023	0.000	95	2408	1.00	1.01	
87 1,3-Dichloropropane	76	7.127	7.133	-0.006	97	3267	1.00	0.9856	
88 2-Hexanone	43	7.158	7.158	0.000	95	7607	5.00	5.38	
89 n-Butyl acetate	73	7.231	7.219	0.013	98	733	1.00	1.15	
90 Chlorodibromomethane	129	7.279	7.279	0.000	98	2075	1.00	0.9327	
91 Ethylene Dibromide	107	7.377	7.377	0.000	99	1962	1.00	0.9678	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	86	281293	50.0	50.0	
93 Chlorobenzene	112	7.706	7.700	0.006	96	6055	1.00	0.9665	
94 Ethylbenzene	106	7.749	7.749	0.000	98	3539	1.00	1.02	
95 1,1,1,2-Tetrachloroethane	131	7.761	7.761	0.000	96	2076	1.00	0.9136	
96 m-Xylene & p-Xylene	106	7.828	7.828	0.000	98	4324	1.00	1.00	
97 n-Butyl acrylate	73	8.060	8.054	0.006	96	2253	1.00	1.10	
98 o-Xylene	106	8.090	8.090	0.000	95	4437	1.00	1.01	
99 Styrene	104	8.109	8.109	0.000	93	7588	1.00	1.00	
100 Amyl acetate (mixed isomer	43	8.194	8.194	0.000	90	5328	1.00	0.9712	
101 Bromoform	173	8.249	8.249	0.000	94	1620	1.00	0.9787	
102 Isopropylbenzene	105	8.310	8.310	0.000	95	11409	1.00	0.9880	
$ 103 4-Bromofluorobenzene	174	8.438	8.432	0.006	94	144000	50.0	53.0	
104 Bromobenzene	156	8.529	8.523	0.006	98	3069	1.00	0.9271	
105 1,1,2,2-Tetrachloroethane	83	8.529	8.529	0.000	97	3344	1.00	0.9388	
106 N-Propylbenzene	91	8.554	8.548	0.006	99	14495	1.00	0.9226	
108 trans-1,4-Dichloro-2-buten	53	8.566	8.566	0.000	72	1069	NC	NC	
107 1,2,3-Trichloropropane	110	8.572	8.566	0.006	94	972	1.00	1.00	
109 4-Ethyltoluene	105	8.621	8.615	0.006	98	12646	NC	NC	
110 2-Chlorotoluene	91	8.627	8.627	0.000	96	10022	1.00	0.9395	
111 1,3,5-Trimethylbenzene	105	8.657	8.651	0.006	92	10287	1.00	0.9487	
113 4-Chlorotoluene	91	8.694	8.688	0.006	95	8771	1.00	0.9415	
112 Butyl Methacrylate	87	8.694	8.694	0.000	65	4231	1.00	1.00	
114 tert-Butylbenzene	119	8.834	8.834	0.000	93	7778	1.00	0.8829	
115 1,2,4-Trimethylbenzene	105	8.871	8.871	0.000	97	10684	1.00	0.9437	
116 sec-Butylbenzene	105	8.962	8.956	0.006	99	12658	1.00	0.9598	
117 4-Isopropyltoluene	119	9.035	9.029	0.006	98	11262	1.00	0.9731	
118 1,3-Dichlorobenzene	146	9.053	9.047	0.006	94	6355	1.00	0.9793	
* 119 1,4-Dichlorobenzene-d4	152	9.096	9.090	0.006	95	187147	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.108	9.102	0.006	91	6320	1.00	0.9691	
136 1,2,3-Trimethylbenzene	105	9.114	9.108	0.006	0	11380	1.00	0.99	
121 Benzyl chloride	91	9.188	9.182	0.006	98	7142	1.00	0.9843	
122 2,3-Dihydroindene	117	9.236	9.230	0.006	94	12612	NC	NC	
123 p-Diethylbenzene	119	9.249	9.242	0.007	92	7317	NC	NC	
124 n-Butylbenzene	92	9.267	9.261	0.006	98	6296	1.00	1.07	
125 1,2-Dichlorobenzene	146	9.328	9.322	0.006	95	5994	1.00	0.9726	
126 1,2,4,5-Tetramethylbenzene	119	9.724	9.718	0.006	98	11316	NC	NC	
127 1,2-Dibromo-3-Chloropropan	75	9.822	9.816	0.006	90	703	1.00	1.07	
128 1,3,5-Trichlorobenzene	180	9.913	9.907	0.006	97	4532	NC	NC	
129 1,2,4-Trichlorobenzene	180	10.382	10.370	0.012	94	3955	1.00	0.9260	
130 Hexachlorobutadiene	225	10.456	10.443	0.013	94	2076	1.00	1.05	
131 Naphthalene	128	10.596	10.590	0.006	98	8979	1.00	0.8941	
132 1,2,3-Trichlorobenzene	180	10.797	10.791	0.006	94	3072	1.00	0.8950	
S 133 1,2-Dichloroethene, Total	100				0		2.00	2.03	
S 134 Xylenes, Total	100				0		2.00	2.01	
S 135 Total BTEX	1				0		5.00	5.10	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

GAS Hi_00212	Amount Added:	1.00	Units: uL	
MIX I Hi_00076	Amount Added:	1.00	Units: uL	
MIX 2 Hi_00058	Amount Added:	1.00	Units: uL	
Ethanol mix_00003	Amount Added:	1.00	Units: uL	
ACROLEIN W_00067	Amount Added:	4.00	Units: uL	
14DIOXINTER_00071	Amount Added:	30.00	Units: uL	
8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00158	Amount Added:	1.00	Units: uL	Run Reagent

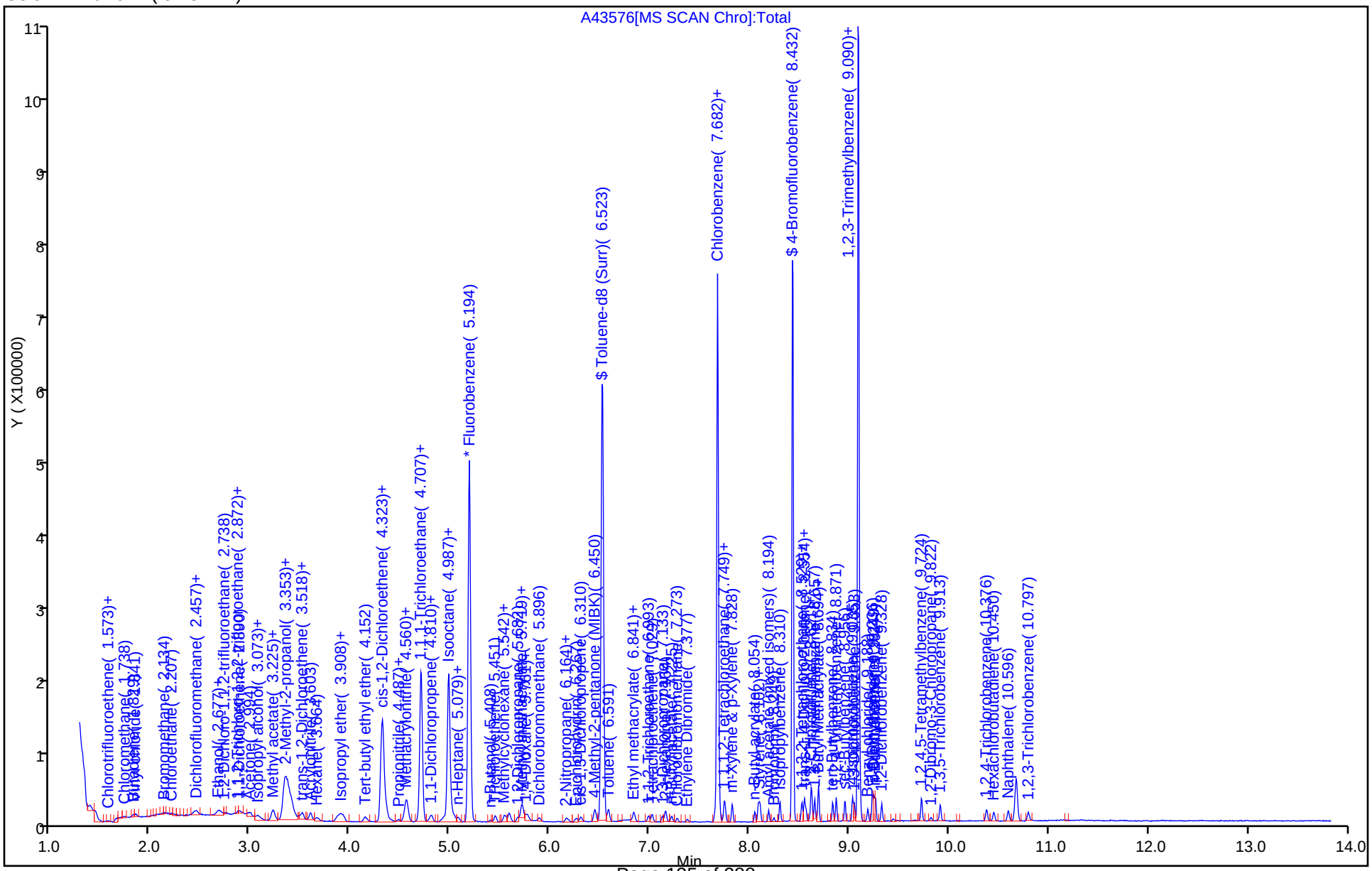
Report Date: 09-Aug-2017 10:27:32 Chrom Revision: 2.2 20-Jun-2017 07:42:38

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43576.D

Injection Date:	07-Aug-2017 07:01:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	STD1			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

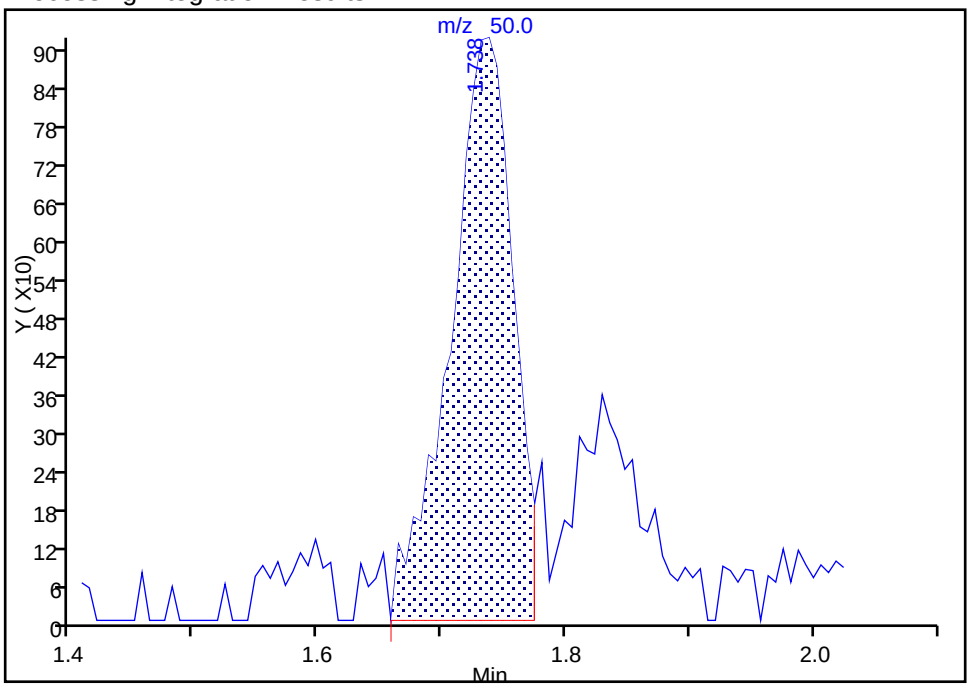
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43576.D
Injection Date: 07-Aug-2017 07:01:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA 624 ICAL
Column: Rtx-624 (0.25 mm) Detector MS SCAN

4 Chloromethane, CAS: 74-87-3

Signal: 1

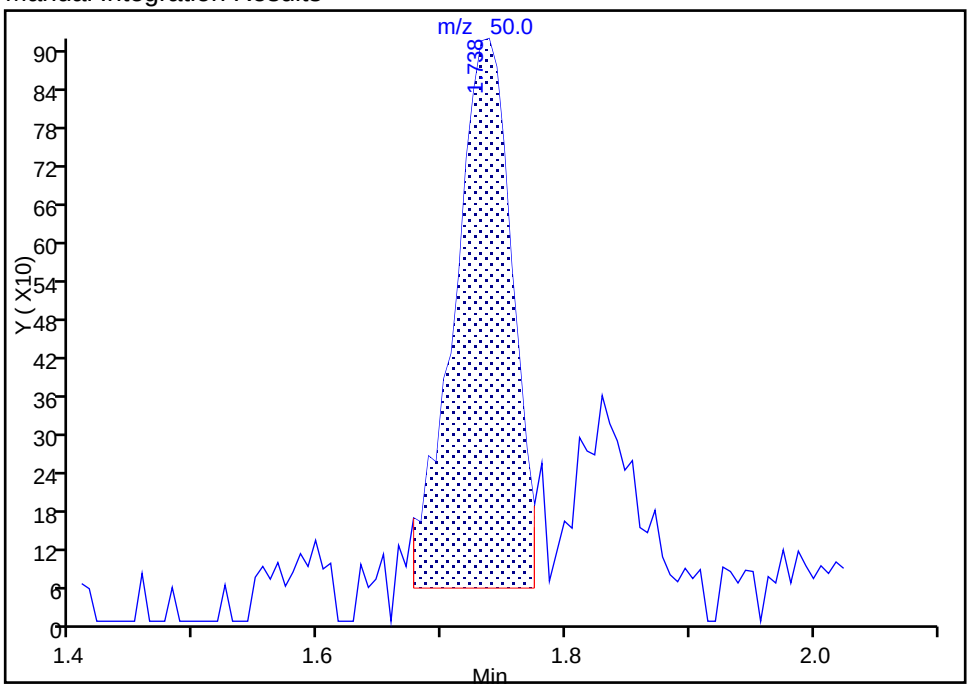
Processing Integration Results

RT: 1.74
Area: 3219
Amount: 1.285491
Amount Units: ug/l



Manual Integration Results

RT: 1.74
Area: 2820
Amount: 1.156875
Amount Units: ug/l



Reviewer: delpolitov, 09-Aug-2017 09:22:24
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Edison

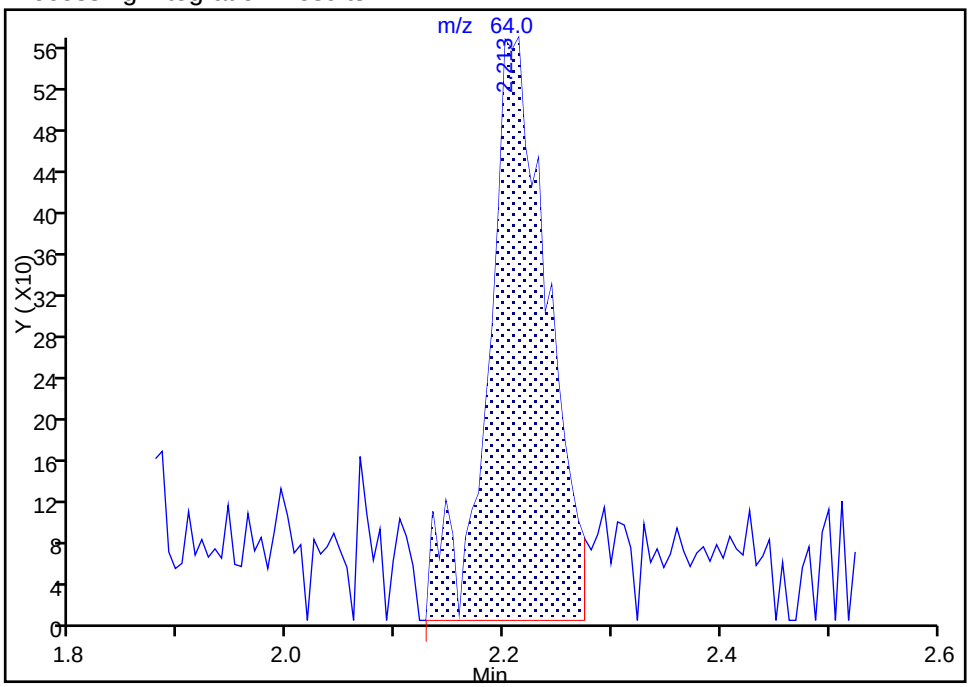
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43576.D
Injection Date: 07-Aug-2017 07:01:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA 624 ICAL
Column: Rtx-624 (0.25 mm) Detector MS SCAN

8 Chloroethane, CAS: 75-00-3

Signal: 1

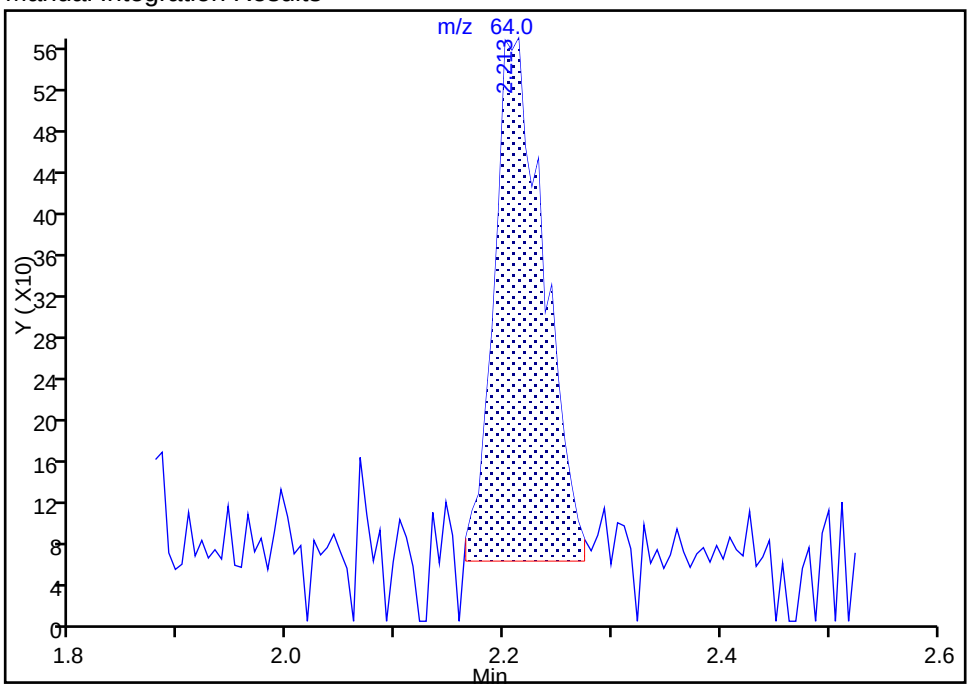
Processing Integration Results

RT: 2.21
Area: 2151
Amount: 1.600441
Amount Units: ug/l



Manual Integration Results

RT: 2.21
Area: 1616
Amount: 1.218166
Amount Units: ug/l



Reviewer: delpolitov, 09-Aug-2017 09:23:02
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Edison

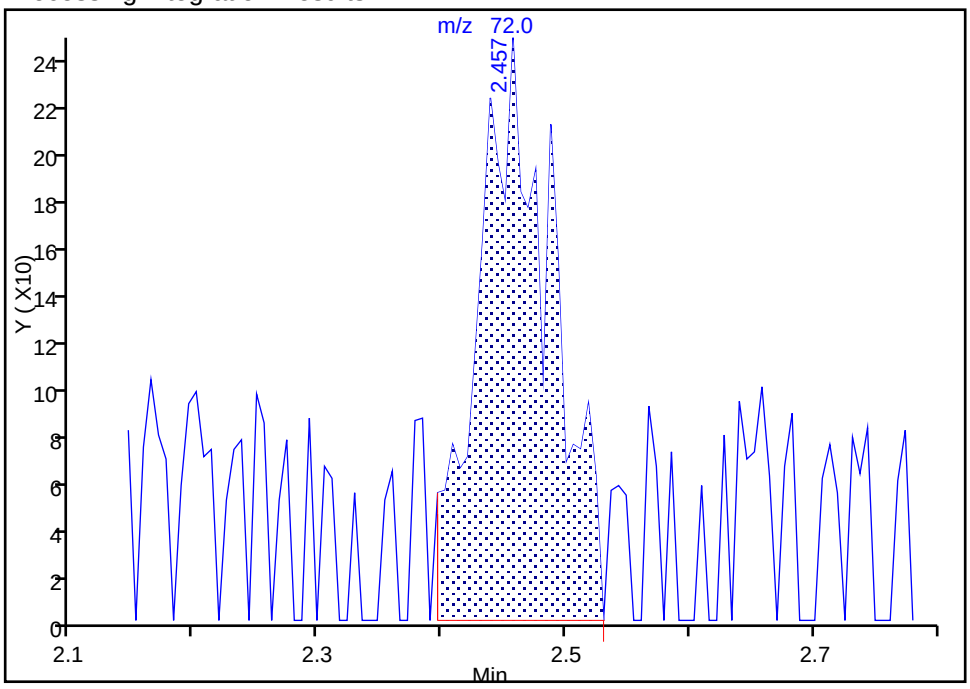
Data File:	\\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43576.D				
Injection Date:	07-Aug-2017 07:01:30	Instrument ID:	CVOAMS1		
Lims ID:	STD1				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

11 Pentane, CAS: 109-66-0

Signal: 1

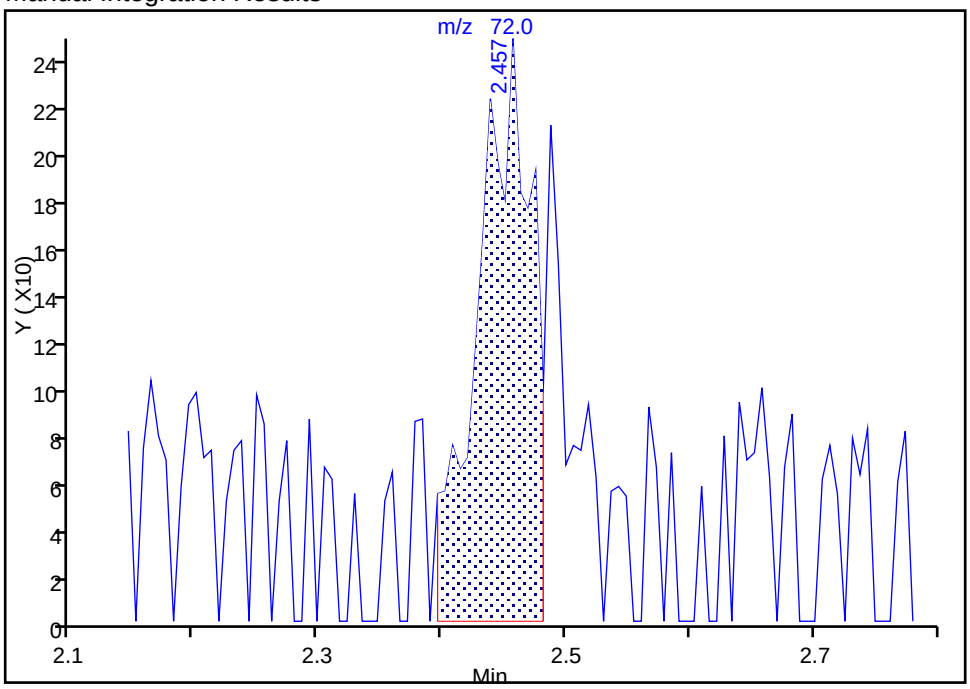
Processing Integration Results

RT: 2.46
Area: 1006
Amount: 2.612935
Amount Units: ug/l



Manual Integration Results

RT: 2.46
Area: 744
Amount: 2.048603
Amount Units: ug/l



Reviewer: delpolitov, 09-Aug-2017 09:23:32
Audit Action: Assigned Compound ID Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

TestAmerica Edison

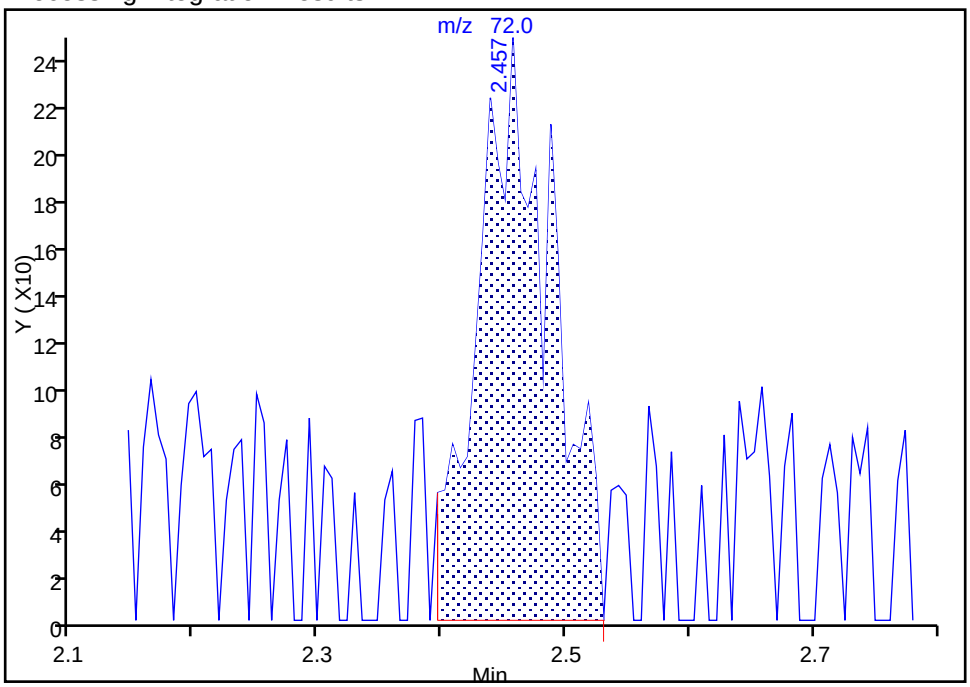
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43576.D
Injection Date: 07-Aug-2017 07:01:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA 624 ICAL
Column: Rtx-624 (0.25 mm) Detector MS SCAN

11 Pentane, CAS: 109-66-0

Signal: 1

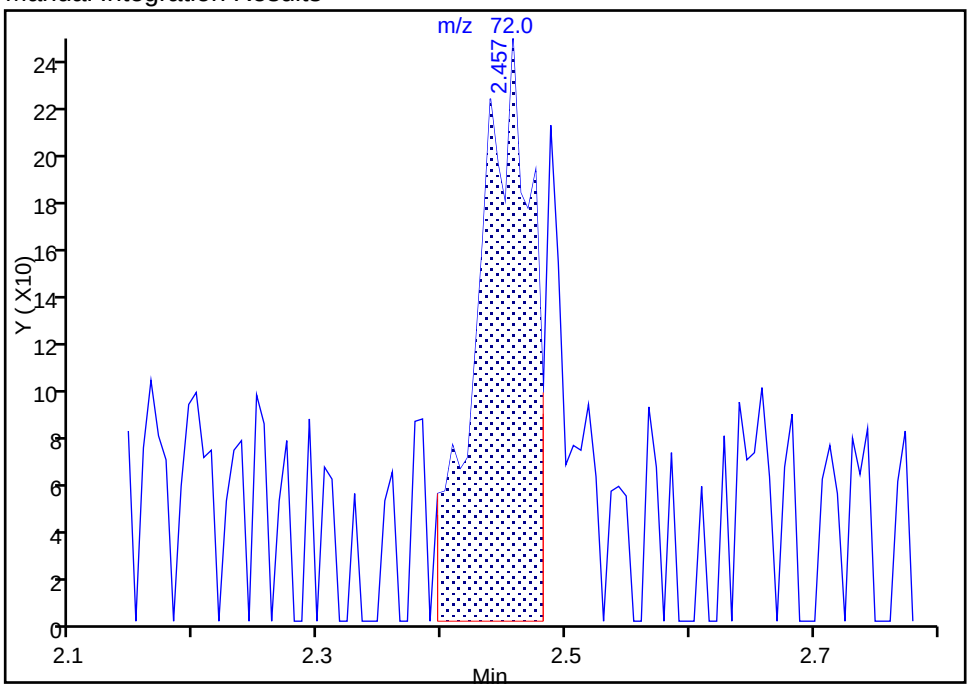
Processing Integration Results

RT: 2.46
Area: 1006
Amount: 2.612935
Amount Units: ug/l



Manual Integration Results

RT: 2.46
Area: 744
Amount: 2.048603
Amount Units: ug/l



Reviewer: delpolitov, 09-Aug-2017 09:23:41
Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

TestAmerica Edison

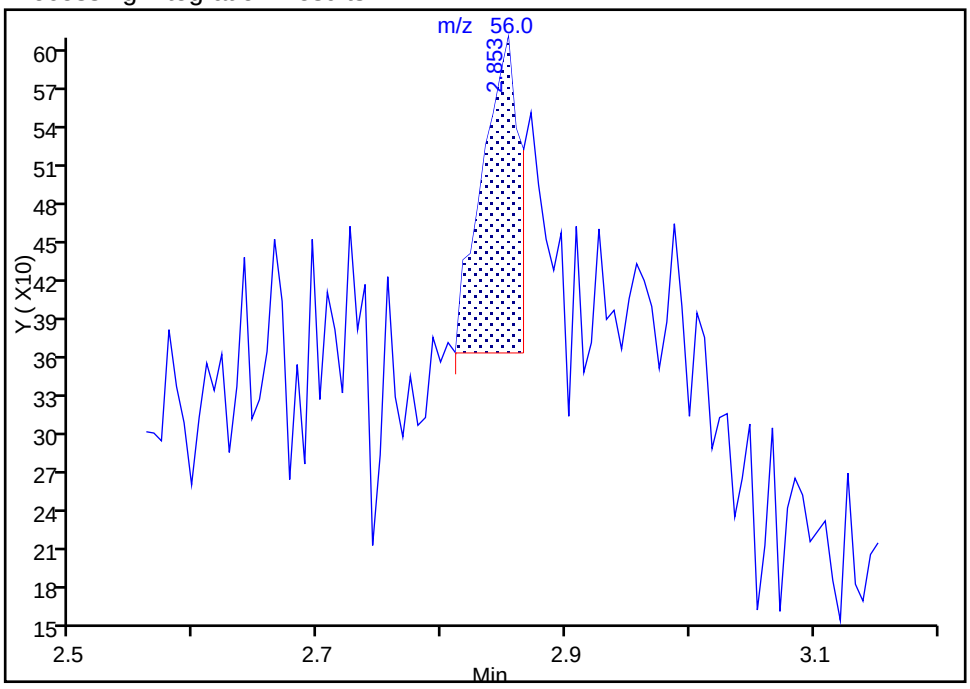
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43576.D
Injection Date: 07-Aug-2017 07:01:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA 624 ICAL
Column: Rtx-624 (0.25 mm) Detector MS SCAN

16 Acrolein, CAS: 107-02-8

Signal: 1

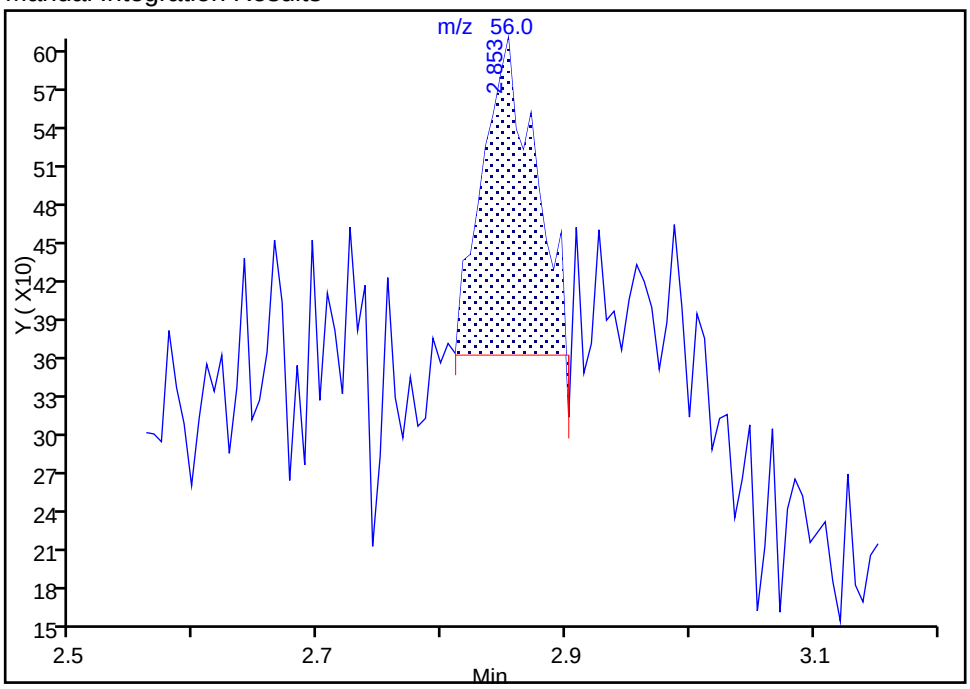
Processing Integration Results

RT: 2.85
Area: 512
Amount: 2.992604
Amount Units: ug/l



Manual Integration Results

RT: 2.85
Area: 705
Amount: 4.093104
Amount Units: ug/l



Reviewer: delpolitov, 09-Aug-2017 09:13:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

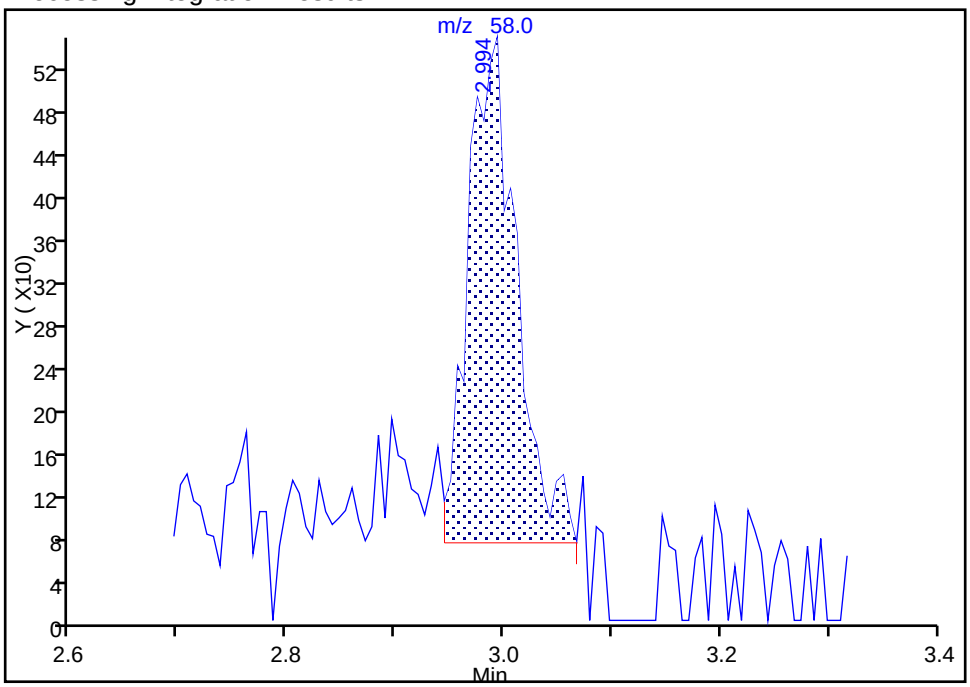
Data File:	\\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43576.D				
Injection Date:	07-Aug-2017 07:01:30	Instrument ID:	CVOAMS1		
Lims ID:	STD1				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

19 Acetone, CAS: 67-64-1

Signal: 1

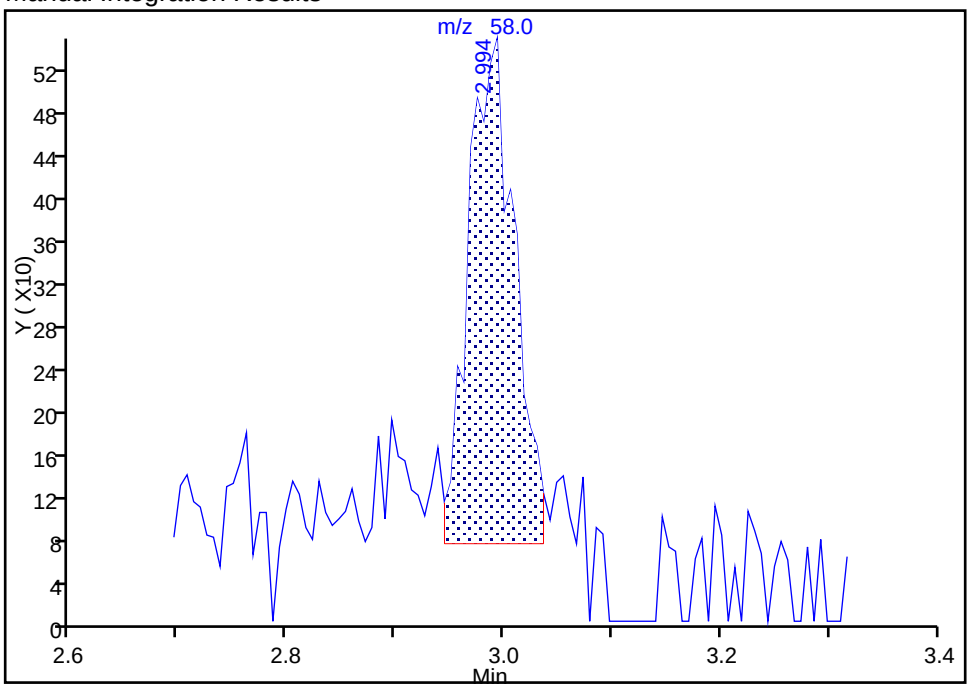
Processing Integration Results

RT: 2.99
Area: 1451
Amount: 6.981641
Amount Units: ug/l



Manual Integration Results

RT: 2.99
Area: 1390
Amount: 6.363748
Amount Units: ug/l



Reviewer: delpolitov, 09-Aug-2017 09:24:39

Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

TestAmerica Edison

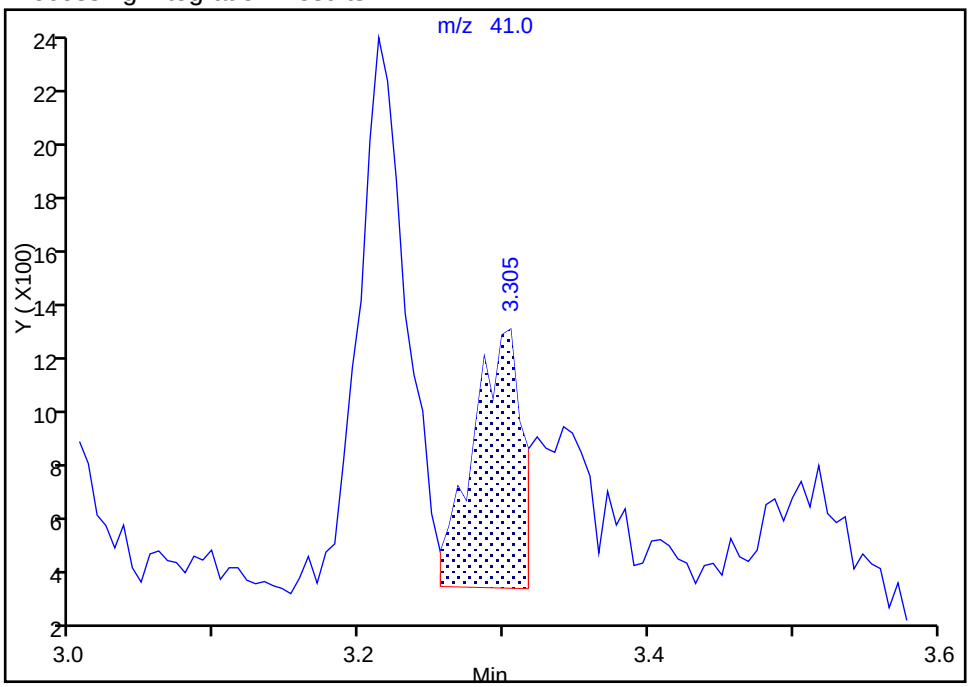
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43576.D
Injection Date: 07-Aug-2017 07:01:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA 624 ICAL
Column: Rtx-624 (0.25 mm) Detector MS SCAN

26 Acetonitrile, CAS: 75-05-8

Signal: 1

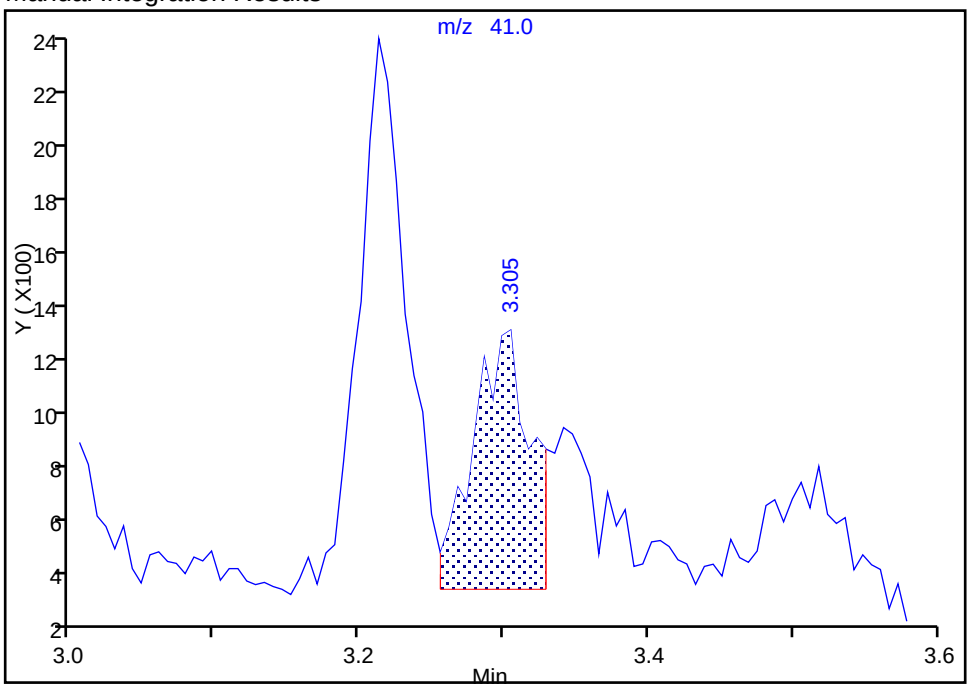
Processing Integration Results

RT: 3.30
Area: 2228
Amount: 7.366561
Amount Units: ug/l



Manual Integration Results

RT: 3.30
Area: 2627
Amount: 8.498929
Amount Units: ug/l



Reviewer: delpolitov, 09-Aug-2017 09:24:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

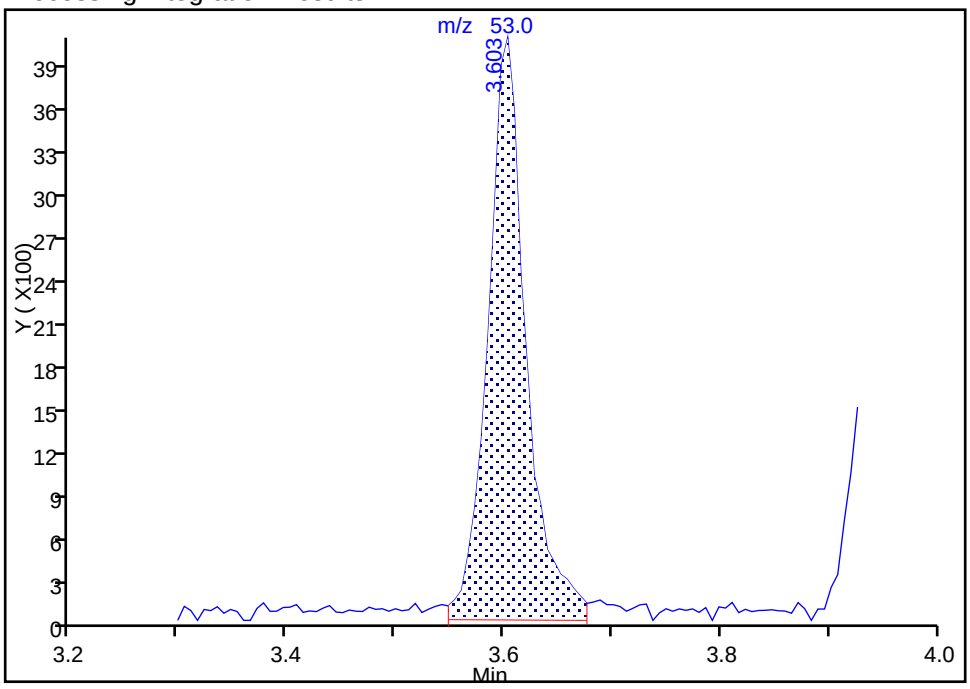
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43576.D
Injection Date: 07-Aug-2017 07:01:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA 624 ICAL
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 Acrylonitrile, CAS: 107-13-1

Signal: 1

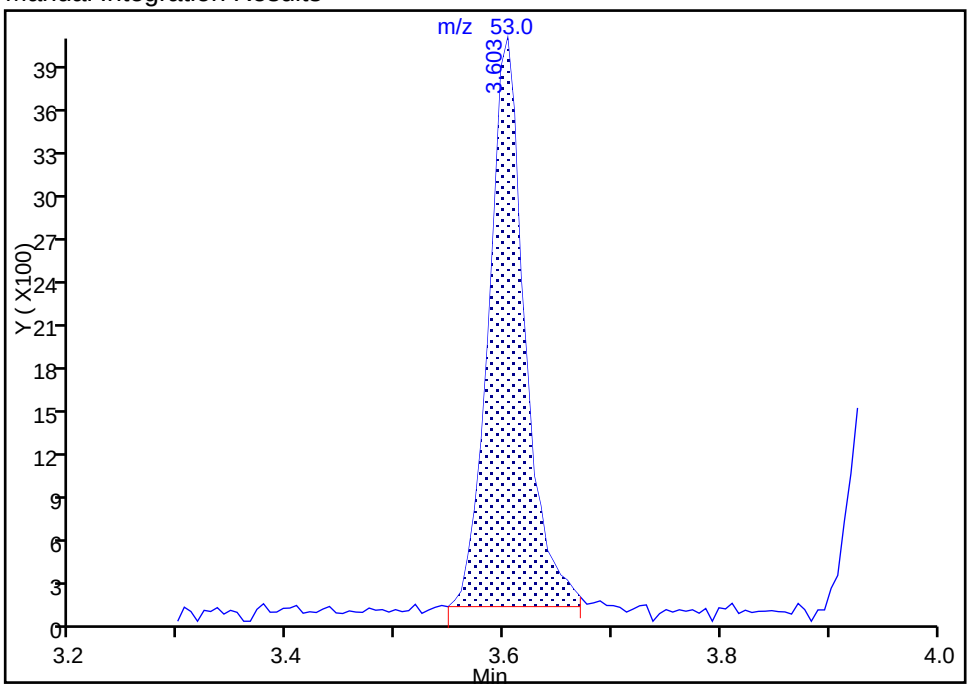
Processing Integration Results

RT: 3.60
Area: 9958
Amount: 11.048249
Amount Units: ug/l



Manual Integration Results

RT: 3.60
Area: 9151
Amount: 8.887481
Amount Units: ug/l



Reviewer: delpolitov, 09-Aug-2017 09:25:19
Audit Action: Manually Integrated Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43577.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-Aug-2017 07:23:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0058730-005
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 09-Aug-2017 10:27:36 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: desais Date: 07-Aug-2017 11:19:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.543	1.543	0.000	86	1551	NC	NC	
3 Dichlorodifluoromethane	85	1.585	1.579	0.006	99	8683	5.00	3.55	
4 Chloromethane	50	1.738	1.732	0.006	99	10920	5.00	4.40	
6 Butadiene	54	1.842	1.842	0.000	88	9713	5.00	4.13	
5 Vinyl chloride	62	1.854	1.842	0.012	98	10862	5.00	4.40	
7 Bromomethane	94	2.146	2.140	0.006	98	6774	5.00	4.46	
8 Chloroethane	64	2.219	2.213	0.006	97	5856	5.00	4.34	
10 Dichlorofluoromethane	67	2.445	2.439	0.006	98	14794	NC	NC	
11 Pentane	72	2.463	2.451	0.012	96	4347	10.0	11.8	
9 Trichlorofluoromethane	101	2.445	2.451	-0.006	58	11257	5.00	4.27	
13 Ethyl ether	59	2.671	2.658	0.013	98	10462	5.00	5.62	
12 Ethanol	46	2.683	2.658	0.025	67	3093	200.0	265.4	
14 2-Methyl-1,3-butadiene	53	2.689	2.683	0.006	94	10193	5.00	5.48	
15 1,2-Dichloro-1,1,2-trifluo	117	2.744	2.738	0.006	91	9128	NC	NC	
16 Acrolein	56	2.854	2.847	0.007	94	3902	20.0	22.1	M
17 1,1,2-Trichloro-1,2,2-trif	101	2.896	2.872	0.024	58	10379	5.00	5.44	
18 1,1-Dichloroethene	96	2.890	2.884	0.006	97	11047	5.00	5.50	
19 Acetone	58	2.994	2.988	0.006	87	6935	25.0	30.6	
20 Iodomethane	142	3.055	3.042	0.013	97	21984	5.00	5.76	
21 Carbon disulfide	76	3.085	3.073	0.012	99	41891	5.00	5.35	
22 Isopropyl alcohol	45	3.103	3.079	0.024	54	7957	50.0	57.6	
23 3-Chloro-1-propene	76	3.219	3.207	0.012	92	8797	5.00	5.66	
24 Methyl acetate	43	3.238	3.225	0.013	99	46442	25.0	27.6	
25 Cyclopentene	67	3.231	3.225	0.006	74	32064	NC	NC	
26 Acetonitrile	41	3.292	3.292	0.000	97	13802	50.0	43.7	
27 Methylene Chloride	84	3.347	3.341	0.006	96	15214	5.00	5.91	
* 28 TBA-d9 (IS)	65	3.353	3.347	0.006	96	191238	1000.0	1000.0	
29 2-Methyl-2-propanol	59	3.427	3.427	0.000	91	13640	50.0	52.6	
30 Methyl tert-butyl ether	73	3.506	3.494	0.012	98	36141	5.00	5.62	
31 trans-1,2-Dichloroethene	96	3.524	3.518	0.006	95	14869	5.00	5.88	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Acrylonitrile	53	3.603	3.597	0.006	96	51350	50.0	54.7	M
33 Hexane	43	3.670	3.664	0.006	92	11302	5.00	5.51	
34 Isopropyl ether	45	3.872	3.865	0.007	96	44859	5.00	5.73	
35 1,1-Dichloroethane	63	3.902	3.890	0.012	99	25703	5.00	5.85	
36 Vinyl acetate	86	3.920	3.914	0.006	100	5240	10.0	10.3	
37 2-Chloro-1,3-butadiene	88	3.939	3.933	0.006	91	12708	NC	NC	
38 Tert-butyl ethyl ether	59	4.152	4.146	0.006	90	41972	NC	NC	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	96	213808	250.0	250.0	
40 2,2-Dichloropropane	97	4.353	4.347	0.006	52	5054	5.00	5.49	
41 cis-1,2-Dichloroethene	96	4.353	4.347	0.006	95	17057	5.00	5.87	
42 Ethyl acetate	70	4.372	4.365	0.007	92	2849	10.0	11.0	
43 2-Butanone (MEK)	72	4.365	4.371	-0.006	96	7349	25.0	27.5	
44 Methyl acrylate	55	4.420	4.408	0.012	98	11351	NC	NC	
45 Propionitrile	54	4.487	4.481	0.006	99	19453	NC	NC	
47 Tetrahydrofuran	72	4.548	4.536	0.012	58	3505	10.0	11.5	
46 Chlorobromomethane	128	4.536	4.536	0.000	92	7648	5.00	5.73	
48 Methacrylonitrile	67	4.567	4.560	0.007	93	54023	NC	NC	
49 Chloroform	83	4.585	4.579	0.006	99	25066	5.00	5.96	
50 Cyclohexane	56	4.695	4.689	0.007	93	23000	5.00	5.41	
51 1,1,1-Trichloroethane	97	4.707	4.701	0.006	95	18657	5.00	5.64	
$ 52 Dibromofluoromethane (Surr	113	4.713	4.707	0.006	98	109575	50.0	50.9	
54 Carbon tetrachloride	117	4.798	4.798	0.000	97	15769	5.00	5.53	
55 1,1-Dichloropropene	75	4.823	4.817	0.006	98	18294	5.00	5.60	
56 Isobutyl alcohol	43	4.926	4.920	0.006	90	21620	NC	NC	
57 Isooctane	57	4.945	4.945	0.000	95	39168	NC	NC	
58 Benzene	78	4.975	4.975	0.000	97	55810	5.00	5.79	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	97	116934	50.0	49.6	
60 Isopropyl acetate	43	5.018	5.012	0.006	86	41221	5.00	5.76	
61 Tert-amyl methyl ether	73	5.018	5.018	0.000	85	49454	NC	NC	
62 1,2-Dichloroethane	62	5.048	5.042	0.006	95	16601	5.00	5.72	
63 n-Heptane	71	5.085	5.085	0.000	91	13291	5.00	6.26	
* 64 Fluorobenzene	96	5.195	5.195	0.001	98	406198	50.0	50.0	
65 n-Butanol	56	5.408	5.408	0.000	95	8562	125.0	128.0	
66 Trichloroethene	95	5.457	5.457	0.000	99	14209	5.00	5.75	
67 Ethyl acrylate	56	5.548	5.548	0.000	97	8010	5.00	5.37	
68 Methylcyclohexane	83	5.554	5.554	0.000	94	22331	5.00	5.45	
69 1,2-Dichloropropane	63	5.682	5.676	0.006	92	15477	5.00	6.11	
* 71 1,4-Dioxane-d8	96	5.719	5.719	0.000	48	19761	1000.0	1000.0	
70 Methyl methacrylate	100	5.725	5.725	0.000	88	7056	10.0	11.3	
73 1,4-Dioxane	88	5.761	5.768	-0.007	31	2479	100.0	105.3	
72 n-Propyl acetate	43	5.768	5.768	0.000	97	16958	5.00	5.36	
74 Dibromomethane	93	5.780	5.780	0.000	97	8775	5.00	5.76	
75 Dichlorobromomethane	83	5.896	5.896	0.000	99	17157	5.00	5.59	
76 2-Chloroethyl vinyl ether	63	6.164	6.164	0.000	81	7679	5.00	5.45	
77 2-Nitropropane	41	6.176	6.170	0.006	81	6543	NC	NC	
78 Epichlorohydrin	57	6.267	6.261	0.006	100	25501	100.0	116.4	
79 cis-1,3-Dichloropropene	75	6.316	6.310	0.006	90	22139	5.00	5.83	
80 4-Methyl-2-pentanone (MIBK	43	6.450	6.450	0.000	96	63416	25.0	27.9	
$ 81 Toluene-d8 (Surr)	98	6.530	6.530	0.000	99	395593	50.0	50.3	
82 Toluene	91	6.591	6.591	0.000	93	57900	5.00	5.69	
83 trans-1,3-Dichloropropene	75	6.841	6.834	0.007	96	18759	5.00	5.75	
84 Ethyl methacrylate	69	6.847	6.847	0.000	89	17317	NC	NC	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 1,1,2-Trichloroethane	83	6.993	6.993	0.000	96	10645	5.00	5.78	
86 Tetrachloroethene	166	7.030	7.023	0.007	95	13378	5.00	5.49	
87 1,3-Dichloropropane	76	7.133	7.133	0.000	93	18654	5.00	5.50	
88 2-Hexanone	43	7.158	7.158	0.000	97	41934	25.0	28.6	
89 n-Butyl acetate	73	7.225	7.219	0.007	99	3748	5.00	5.74	
90 Chlorodibromomethane	129	7.279	7.279	0.000	98	12817	5.00	5.63	
91 Ethylene Dibromide	107	7.377	7.377	0.000	97	11710	5.00	5.65	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	86	287650	50.0	50.0	
93 Chlorobenzene	112	7.700	7.700	0.000	95	37325	5.00	5.83	
94 Ethylbenzene	106	7.749	7.749	0.000	99	20429	5.00	5.77	
95 1,1,1,2-Tetrachloroethane	131	7.761	7.761	0.000	95	13373	5.00	5.76	
96 m-Xylene & p-Xylene	106	7.828	7.828	0.000	100	25794	5.00	5.82	
97 n-Butyl acrylate	73	8.054	8.054	0.000	97	11898	5.00	5.69	
98 o-Xylene	106	8.090	8.090	0.000	94	26370	5.00	5.86	
99 Styrene	104	8.109	8.109	0.000	94	46116	5.00	5.93	
100 Amyl acetate (mixed isomer	43	8.194	8.194	0.000	91	29663	5.00	5.43	
101 Bromoform	173	8.249	8.249	0.000	97	9099	5.00	5.38	
102 Isopropylbenzene	105	8.310	8.310	0.000	96	66819	5.00	5.66	
$ 103 4-Bromofluorobenzene	174	8.438	8.432	0.006	96	142813	50.0	51.4	
104 Bromobenzene	156	8.523	8.523	0.000	98	18195	5.00	5.52	
105 1,1,2,2-Tetrachloroethane	83	8.529	8.529	0.000	99	18858	5.00	5.32	
106 N-Propylbenzene	91	8.554	8.548	0.006	99	85639	5.00	5.47	
107 1,2,3-Trichloropropane	110	8.566	8.566	0.000	98	5485	5.00	5.69	
108 trans-1,4-Dichloro-2-buten	53	8.572	8.566	0.006	85	5060	NC	NC	
109 4-Ethyltoluene	105	8.621	8.615	0.006	98	74677	NC	NC	
110 2-Chlorotoluene	91	8.627	8.627	0.000	97	59999	5.00	5.65	
111 1,3,5-Trimethylbenzene	105	8.657	8.651	0.006	93	59850	5.00	5.54	
113 4-Chlorotoluene	91	8.694	8.688	0.006	96	54232	5.00	5.84	
112 Butyl Methacrylate	87	8.694	8.694	0.000	64	23242	5.00	5.54	
114 tert-Butylbenzene	119	8.834	8.834	0.000	95	47912	5.00	5.46	
115 1,2,4-Trimethylbenzene	105	8.871	8.871	0.000	98	63270	5.00	5.61	
116 sec-Butylbenzene	105	8.956	8.956	0.000	99	71650	5.00	5.45	
117 4-Isopropyltoluene	119	9.035	9.029	0.006	98	64194	5.00	5.57	
118 1,3-Dichlorobenzene	146	9.054	9.047	0.007	97	37575	5.00	5.81	
* 119 1,4-Dichlorobenzene-d4	152	9.090	9.090	0.000	95	186404	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.102	9.102	0.000	95	38525	5.00	5.93	
136 1,2,3-Trimethylbenzene	105	9.108	9.108	0.000	0	67279	5.00	5.90	
121 Benzyl chloride	91	9.188	9.182	0.006	98	39491	5.00	5.46	
122 2,3-Dihydroindene	117	9.230	9.230	0.000	93	73353	NC	NC	
123 p-Diethylbenzene	119	9.249	9.242	0.007	92	42420	NC	NC	
124 n-Butylbenzene	92	9.261	9.261	0.000	97	33921	5.00	5.77	
125 1,2-Dichlorobenzene	146	9.328	9.322	0.006	96	36004	5.00	5.87	
126 1,2,4,5-Tetramethylbenzene	119	9.724	9.718	0.006	97	64366	NC	NC	
127 1,2-Dibromo-3-Chloropropan	75	9.816	9.816	0.000	94	3259	5.00	5.00	
128 1,3,5-Trichlorobenzene	180	9.913	9.907	0.006	97	25952	NC	NC	
129 1,2,4-Trichlorobenzene	180	10.376	10.370	0.006	93	22448	5.00	5.28	
130 Hexachlorobutadiene	225	10.450	10.443	0.007	96	10313	5.00	5.24	
131 Naphthalene	128	10.590	10.590	0.000	99	50968	5.00	5.10	
132 1,2,3-Trichlorobenzene	180	10.797	10.791	0.006	96	18178	5.00	5.32	
S 133 1,2-Dichloroethene, Total	100				0		10.0	11.8	
S 134 Xylenes, Total	100				0		10.0	11.7	
S 135 Total BTEX	1				0		25.0	28.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00067	Amount Added:	4.00	Units: uL	
Ethanol mix_00003	Amount Added:	1.00	Units: uL	
MIX 2 Hi_00058	Amount Added:	1.00	Units: uL	
MIX I Hi_00076	Amount Added:	1.00	Units: uL	
GAS Hi_00212	Amount Added:	1.00	Units: uL	
8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00158	Amount Added:	1.00	Units: uL	Run Reagent

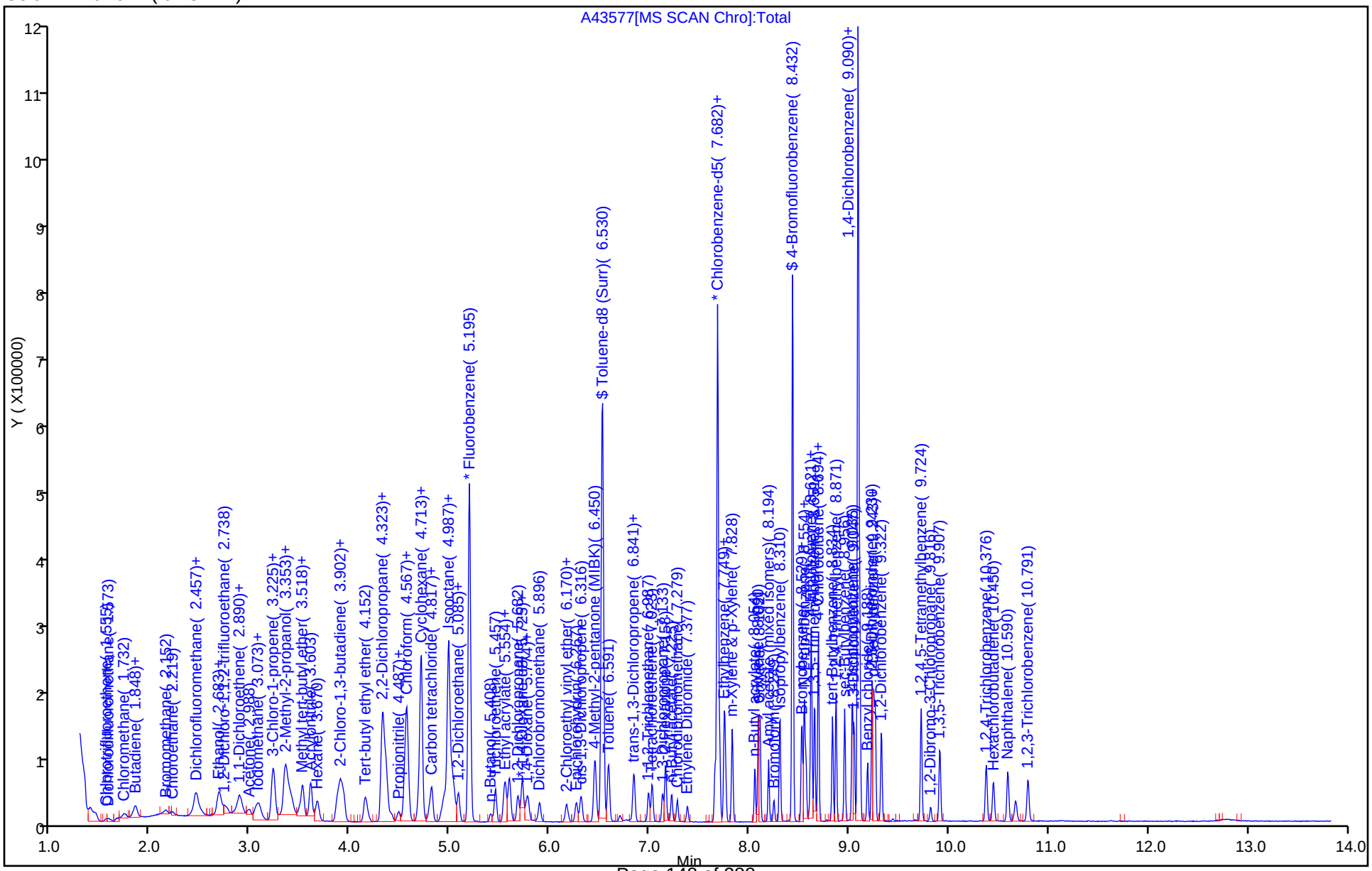
Report Date: 09-Aug-2017 10:27:37 Chrom Revision: 2.2 20-Jun-2017 07:42:38

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43577.D

Injection Date:	07-Aug-2017 07:23:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	STD5			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

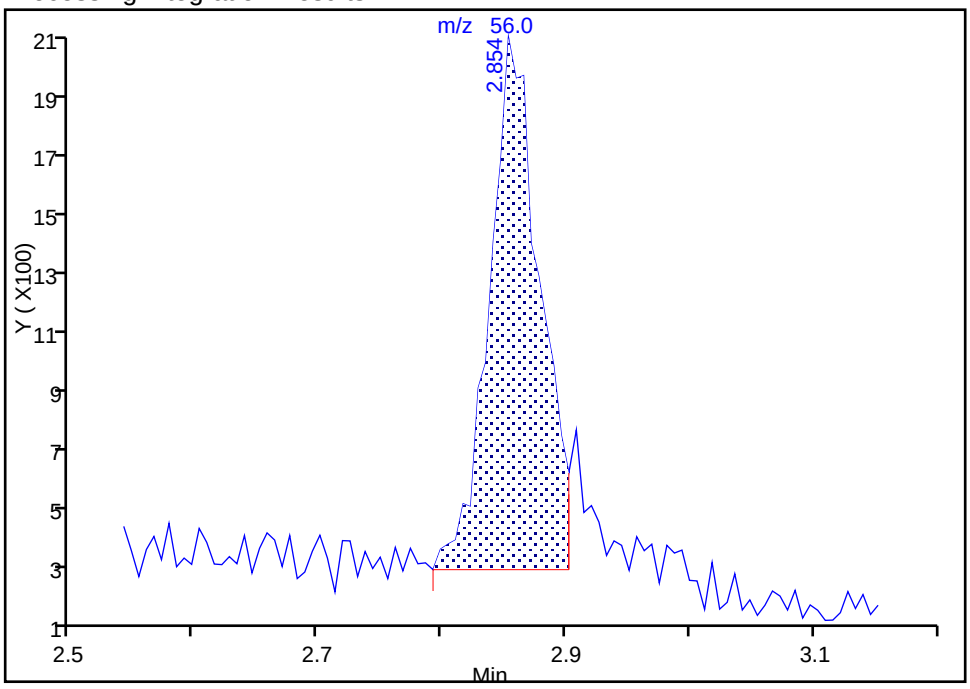
Data File:	\\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43577.D				
Injection Date:	07-Aug-2017 07:23:30	Instrument ID:	CVOAMS1		
Lims ID:	STD5				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

16 Acrolein, CAS: 107-02-8

Signal: 1

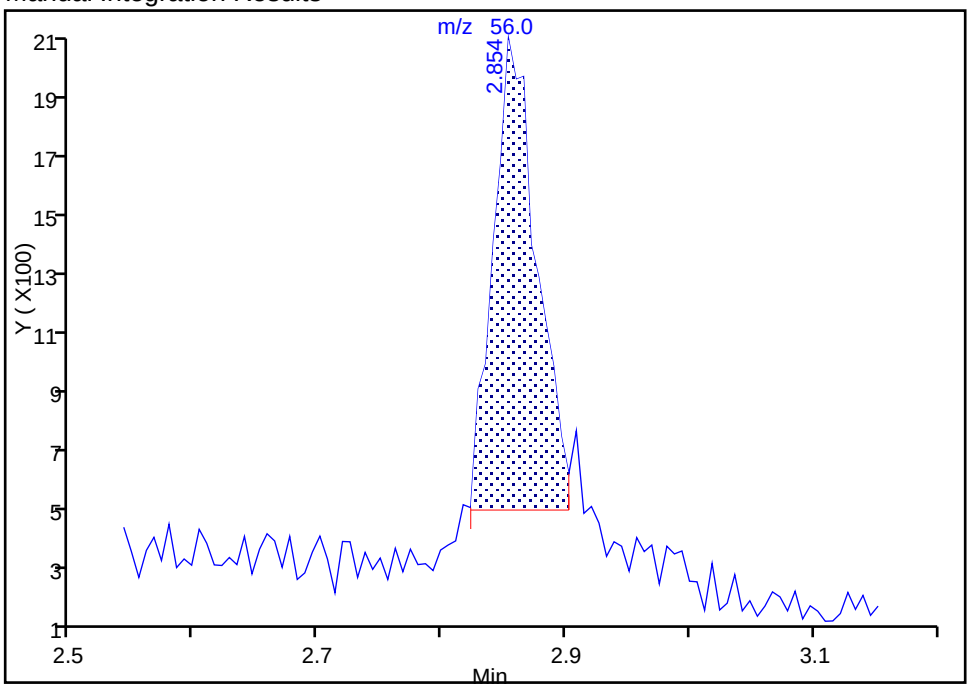
Processing Integration Results

RT: 2.85
Area: 5120
Amount: 11.147584
Amount Units: ug/l



Manual Integration Results

RT: 2.85
Area: 3902
Amount: 22.146710
Amount Units: ug/l



Reviewer: delpolitov, 09-Aug-2017 09:20:30

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Edison

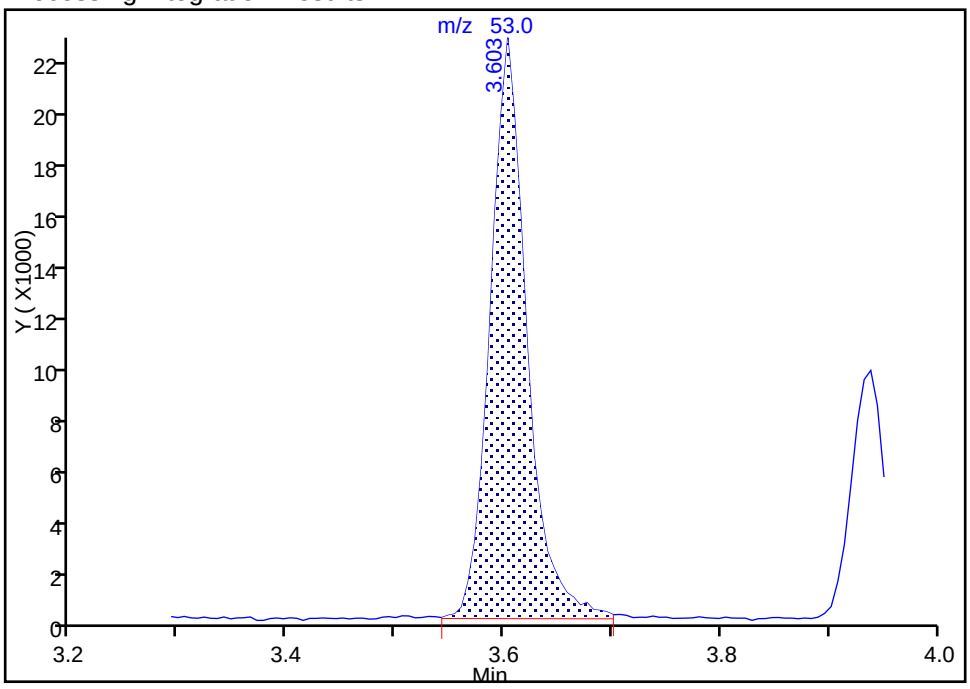
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43577.D
Injection Date: 07-Aug-2017 07:23:30 Instrument ID: CVOAMS1
Lims ID: STD5
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA 624 ICAL
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 Acrylonitrile, CAS: 107-13-1

Signal: 1

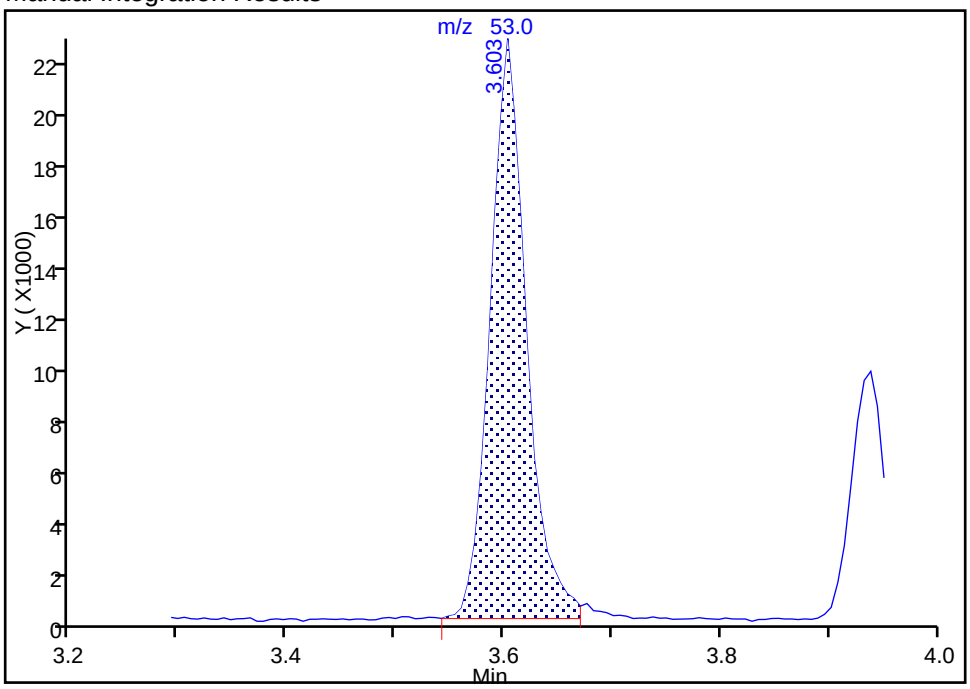
Processing Integration Results

RT: 3.60
Area: 52263
Amount: 56.993295
Amount Units: ug/l



Manual Integration Results

RT: 3.60
Area: 51350
Amount: 54.661120
Amount Units: ug/l



Reviewer: delpolitov, 09-Aug-2017 09:25:55
Audit Action: Manually Integrated Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43578.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 07-Aug-2017 07:46:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0058730-006
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 09-Aug-2017 10:27:40 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: desais Date: 07-Aug-2017 09:48:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.543	1.543	0.000	88	5740	NC	NC	
3 Dichlorodifluoromethane	85	1.579	1.579	0.000	99	39408	20.0	16.8	
4 Chloromethane	50	1.732	1.732	0.000	99	46628	20.0	19.6	
5 Vinyl chloride	62	1.842	1.842	0.000	98	46541	20.0	19.7	
6 Butadiene	54	1.842	1.842	0.000	81	42415	20.0	18.9	
7 Bromomethane	94	2.140	2.140	0.000	98	28888	20.0	19.9	
8 Chloroethane	64	2.213	2.213	0.000	99	25980	20.0	20.1	
10 Dichlorofluoromethane	67	2.439	2.439	0.000	80	62073	NC	NC	
9 Trichlorofluoromethane	101	2.451	2.451	0.000	56	49593	20.0	19.6	
11 Pentane	72	2.451	2.451	0.000	95	12721	40.0	35.9	
12 Ethanol	46	2.658	2.658	0.000	77	8875	800.0	812.2	
13 Ethyl ether	59	2.658	2.658	0.000	94	33207	20.0	18.6	
14 2-Methyl-1,3-butadiene	53	2.683	2.683	0.000	96	34360	20.0	19.3	
15 1,2-Dichloro-1,1,2-trifluo	117	2.738	2.738	0.000	94	29783	NC	NC	
16 Acrolein	56	2.847	2.847	0.000	93	8411	40.0	50.9	M
17 1,1,2-Trichloro-1,2,2-trif	101	2.872	2.872	0.000	97	35753	20.0	19.6	
18 1,1-Dichloroethene	96	2.884	2.884	0.000	99	38642	20.0	20.1	
19 Acetone	58	2.988	2.988	0.000	87	18111	100.0	85.0	
20 Iodomethane	142	3.042	3.042	0.000	98	70352	20.0	19.3	
21 Carbon disulfide	76	3.073	3.073	0.000	100	141439	20.0	18.9	
22 Isopropyl alcohol	45	3.079	3.079	0.000	59	24126	200.0	186.3	
23 3-Chloro-1-propene	76	3.207	3.207	0.000	94	29271	20.0	19.7	
25 Cyclopentene	67	3.225	3.225	0.000	91	112354	NC	NC	
24 Methyl acetate	43	3.225	3.225	0.000	99	159607	100.0	99.0	
26 Acetonitrile	41	3.292	3.292	0.000	99	63792	200.0	215.2	
27 Methylene Chloride	84	3.341	3.341	0.000	92	48647	20.0	19.7	
* 28 TBA-d9 (IS)	65	3.347	3.347	0.000	95	179319	1000.0	1000.0	
29 2-Methyl-2-propanol	59	3.427	3.427	0.000	93	45969	200.0	189.2	
30 Methyl tert-butyl ether	73	3.494	3.494	0.000	97	120820	20.0	19.6	
31 trans-1,2-Dichloroethene	96	3.518	3.518	0.000	95	47386	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
32 Acrylonitrile	53	3.597	3.597	0.000	95	182769	200.0	206.6	
33 Hexane	43	3.664	3.664	0.000	93	39740	20.0	20.2	
34 Isopropyl ether	45	3.865	3.865	0.000	96	148911	20.0	19.9	
35 1,1-Dichloroethane	63	3.890	3.890	0.000	99	82852	20.0	19.7	
36 Vinyl acetate	86	3.914	3.914	0.000	100	18241	40.0	37.4	
37 2-Chloro-1,3-butadiene	88	3.933	3.933	0.000	90	42694	NC	NC	
38 Tert-butyl ethyl ether	59	4.146	4.146	0.000	89	137970	NC	NC	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	98	201142	250.0	250.0	
41 cis-1,2-Dichloroethene	96	4.347	4.347	0.000	96	54803	20.0	19.7	
40 2,2-Dichloropropane	97	4.347	4.347	0.000	81	15751	20.0	17.9	
42 Ethyl acetate	70	4.365	4.365	0.000	95	8021	40.0	36.3	
43 2-Butanone (MEK)	72	4.371	4.371	0.000	96	23475	100.0	93.4	
44 Methyl acrylate	55	4.408	4.408	0.000	80	36652	NC	NC	
45 Propionitrile	54	4.481	4.481	0.000	99	62923	NC	NC	
46 Chlorobromomethane	128	4.536	4.536	0.000	84	25347	20.0	19.8	
47 Tetrahydrofuran	72	4.536	4.536	0.000	59	11695	40.0	40.8	
48 Methacrylonitrile	67	4.560	4.560	0.000	93	179405	NC	NC	
49 Chloroform	83	4.579	4.579	0.000	99	79993	20.0	19.9	
50 Cyclohexane	56	4.689	4.689	0.000	92	83175	20.0	20.4	
51 1,1,1-Trichloroethane	97	4.701	4.701	0.000	96	62024	20.0	19.6	
$ 52 Dibromofluoromethane (Surr	113	4.707	4.707	0.000	97	108110	50.0	52.4	
54 Carbon tetrachloride	117	4.798	4.798	0.000	98	52845	20.0	19.3	
55 1,1-Dichloropropene	75	4.817	4.817	0.000	98	60421	20.0	19.3	
56 Isobutyl alcohol	43	4.920	4.920	0.000	90	66772	NC	NC	
57 Isooctane	57	4.945	4.945	0.000	97	137505	NC	NC	
58 Benzene	78	4.975	4.975	0.000	95	177968	20.0	20.0	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	97	112930	50.0	50.0	
60 Isopropyl acetate	43	5.012	5.012	0.000	94	137222	20.0	20.0	
61 Tert-amyl methyl ether	73	5.018	5.018	0.000	88	162310	NC	NC	
62 1,2-Dichloroethane	62	5.042	5.042	0.000	96	54445	20.0	19.6	
63 n-Heptane	71	5.085	5.085	0.000	92	38825	20.0	19.1	
* 64 Fluorobenzene	96	5.195	5.195	0.000	99	388992	50.0	50.0	
65 n-Butanol	56	5.408	5.408	0.000	89	28476	500.0	454.1	
66 Trichloroethene	95	5.457	5.457	0.000	98	43567	20.0	18.4	
67 Ethyl acrylate	56	5.548	5.548	0.000	97	29183	20.0	20.4	
68 Methylcyclohexane	83	5.554	5.554	0.000	95	80008	20.0	20.4	
69 1,2-Dichloropropane	63	5.676	5.676	0.000	94	46011	20.0	19.0	
* 71 1,4-Dioxane-d8	96	5.719	5.719	0.000	34	19242	1000.0	1000.0	
70 Methyl methacrylate	100	5.725	5.725	0.000	88	21597	40.0	36.2	
72 n-Propyl acetate	43	5.768	5.768	0.000	98	55717	20.0	18.4	
73 1,4-Dioxane	88	5.768	5.768	0.000	30	9564	400.0	417.1	
74 Dibromomethane	93	5.780	5.780	0.000	97	27479	20.0	18.8	
75 Dichlorobromomethane	83	5.896	5.896	0.000	99	54173	20.0	18.4	
76 2-Chloroethyl vinyl ether	63	6.164	6.164	0.000	85	24726	20.0	18.3	
77 2-Nitropropane	41	6.170	6.170	0.000	84	19608	NC	NC	
78 Epichlorohydrin	57	6.261	6.261	0.000	97	83109	400.0	403.3	
79 cis-1,3-Dichloropropene	75	6.310	6.310	0.000	90	65822	20.0	18.8	
80 4-Methyl-2-pentanone (MIBK	43	6.450	6.450	0.000	96	215371	100.0	100.7	
$ 81 Toluene-d8 (Surr)	98	6.530	6.530	0.000	99	373342	50.0	51.3	
82 Toluene	91	6.591	6.591	0.000	93	180196	20.0	19.2	
83 trans-1,3-Dichloropropene	75	6.834	6.834	0.000	98	56216	20.0	18.7	
84 Ethyl methacrylate	69	6.847	6.847	0.000	87	57168	NC	NC	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 1,1,2-Trichloroethane	83	6.993	6.993	0.000	97	32883	20.0	19.3	
86 Tetrachloroethene	166	7.023	7.023	0.000	97	43792	20.0	19.5	
87 1,3-Dichloropropane	76	7.133	7.133	0.000	94	59826	20.0	19.1	
88 2-Hexanone	43	7.158	7.158	0.000	96	134699	100.0	97.6	
89 n-Butyl acetate	73	7.219	7.219	0.000	99	11882	20.0	19.7	
90 Chlorodibromomethane	129	7.279	7.279	0.000	99	40064	20.0	19.1	
91 Ethylene Dibromide	107	7.377	7.377	0.000	98	36493	20.0	19.1	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	86	265745	50.0	50.0	
93 Chlorobenzene	112	7.700	7.700	0.000	95	113019	20.0	19.1	
94 Ethylbenzene	106	7.749	7.749	0.000	98	64288	20.0	19.7	
95 1,1,1,2-Tetrachloroethane	131	7.761	7.761	0.000	96	43571	20.0	20.3	
96 m-Xylene & p-Xylene	106	7.828	7.828	0.000	99	81517	20.0	19.9	
97 n-Butyl acrylate	73	8.054	8.054	0.000	97	37741	20.0	19.5	
98 o-Xylene	106	8.090	8.090	0.000	94	84343	20.0	20.3	
99 Styrene	104	8.109	8.109	0.000	94	144856	20.0	20.2	
100 Amyl acetate (mixed isomer	43	8.194	8.194	0.000	91	96871	20.0	18.2	
101 Bromoform	173	8.249	8.249	0.000	98	30941	20.0	19.8	
102 Isopropylbenzene	105	8.310	8.310	0.000	96	224220	20.0	20.6	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	90	135322	50.0	52.7	
104 Bromobenzene	156	8.523	8.523	0.000	99	57400	20.0	17.9	
105 1,1,2,2-Tetrachloroethane	83	8.529	8.529	0.000	99	63406	20.0	18.3	
106 N-Propylbenzene	91	8.548	8.548	0.000	99	277295	20.0	18.2	
108 trans-1,4-Dichloro-2-buten	53	8.566	8.566	0.000	76	16142	NC	NC	
107 1,2,3-Trichloropropane	110	8.566	8.566	0.000	98	17002	20.0	18.1	
109 4-Ethyltoluene	105	8.615	8.615	0.000	98	235892	NC	NC	
110 2-Chlorotoluene	91	8.627	8.627	0.000	97	195662	20.0	18.9	
111 1,3,5-Trimethylbenzene	105	8.651	8.651	0.000	93	200297	20.0	19.0	
113 4-Chlorotoluene	91	8.688	8.688	0.000	98	170552	20.0	18.9	
112 Butyl Methacrylate	87	8.694	8.694	0.000	90	78321	20.0	19.2	
114 tert-Butylbenzene	119	8.834	8.834	0.000	95	156780	20.0	18.3	
115 1,2,4-Trimethylbenzene	105	8.871	8.871	0.000	97	211653	20.0	19.3	
116 sec-Butylbenzene	105	8.956	8.956	0.000	99	240819	20.0	18.8	
117 4-Isopropyltoluene	119	9.029	9.029	0.000	98	210542	20.0	18.8	
118 1,3-Dichlorobenzene	146	9.047	9.047	0.000	97	122531	20.0	19.5	
* 119 1,4-Dichlorobenzene-d4	152	9.090	9.090	0.000	95	181571	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.102	9.102	0.000	94	122945	20.0	19.4	
136 1,2,3-Trimethylbenzene	105	9.108	9.108	0.000	0	221733	20.0	19.9	
121 Benzyl chloride	91	9.182	9.182	0.000	98	136136	20.0	19.3	
122 2,3-Dihydroindene	117	9.230	9.230	0.000	94	243264	NC	NC	
123 p-Diethylbenzene	119	9.242	9.242	0.000	93	141224	NC	NC	
124 n-Butylbenzene	92	9.261	9.261	0.000	96	113792	20.0	19.9	
125 1,2-Dichlorobenzene	146	9.322	9.322	0.000	96	119951	20.0	20.1	
126 1,2,4,5-Tetramethylbenzene	119	9.718	9.718	0.000	98	212606	NC	NC	
127 1,2-Dibromo-3-Chloropropan	75	9.816	9.816	0.000	97	11620	20.0	18.3	
128 1,3,5-Trichlorobenzene	180	9.907	9.907	0.000	97	87084	NC	NC	
129 1,2,4-Trichlorobenzene	180	10.370	10.370	0.000	94	76869	20.0	18.5	
130 Hexachlorobutadiene	225	10.443	10.443	0.000	97	35842	20.0	18.7	
131 Naphthalene	128	10.590	10.590	0.000	99	178785	20.0	18.3	
132 1,2,3-Trichlorobenzene	180	10.791	10.791	0.000	96	63137	20.0	19.0	
S 133 1,2-Dichloroethene, Total	100				0		40.0	39.3	
S 134 Xylenes, Total	100				0		40.0	40.2	
S 135 Total BTEX	1				0		100.0	99.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00067	Amount Added:	4.00	Units: uL	
Ethanol mix_00003	Amount Added:	2.00	Units: uL	
MIX 2 Hi_00058	Amount Added:	2.00	Units: uL	
MIX I Hi_00076	Amount Added:	2.00	Units: uL	
GAS Hi_00212	Amount Added:	2.00	Units: uL	
8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00158	Amount Added:	1.00	Units: uL	Run Reagent

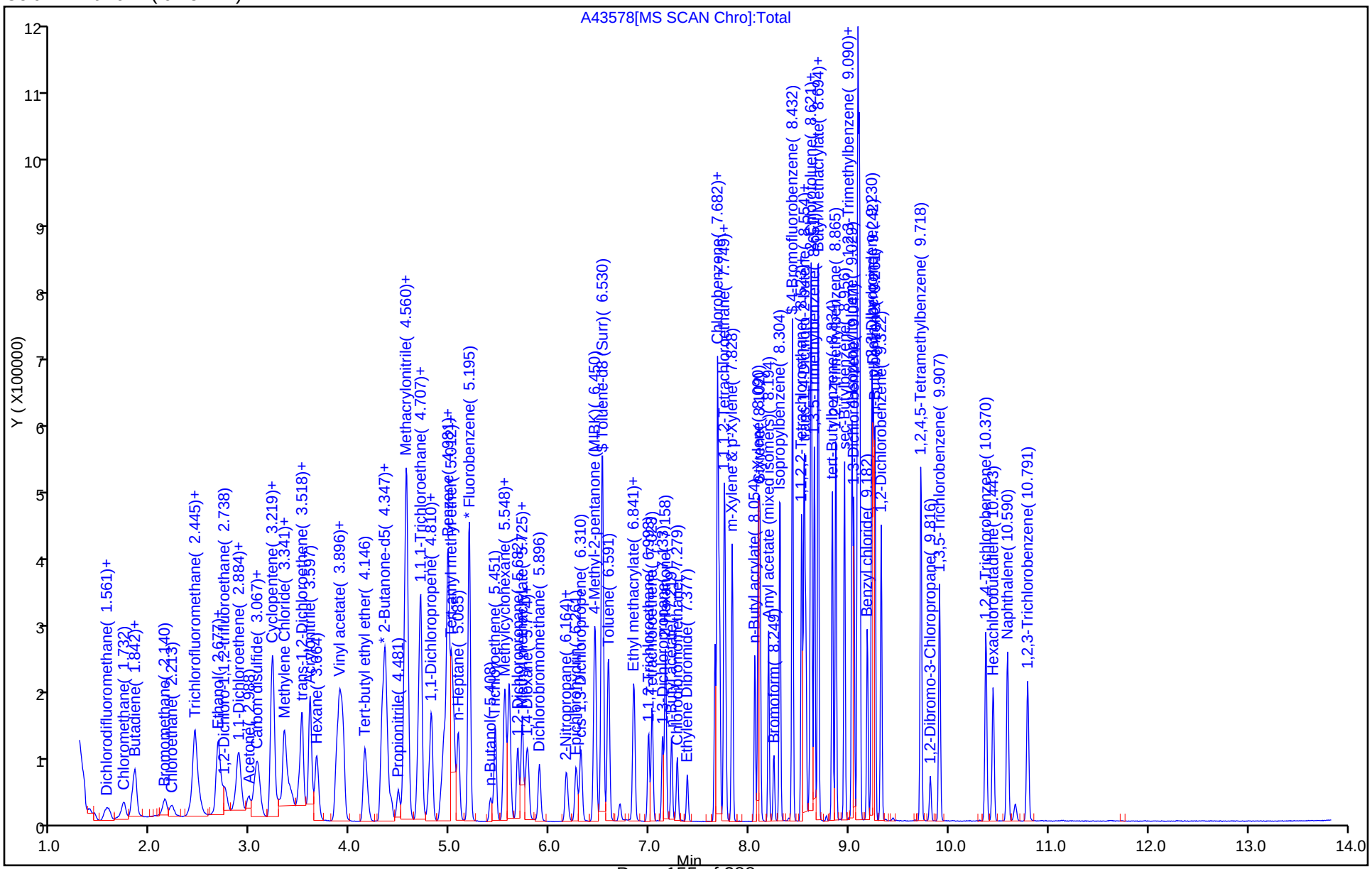
Report Date: 09-Aug-2017 10:27:42 Chrom Revision: 2.2 20-Jun-2017 07:42:38

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43578.D

Injection Date:	07-Aug-2017 07:46:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	STD20			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

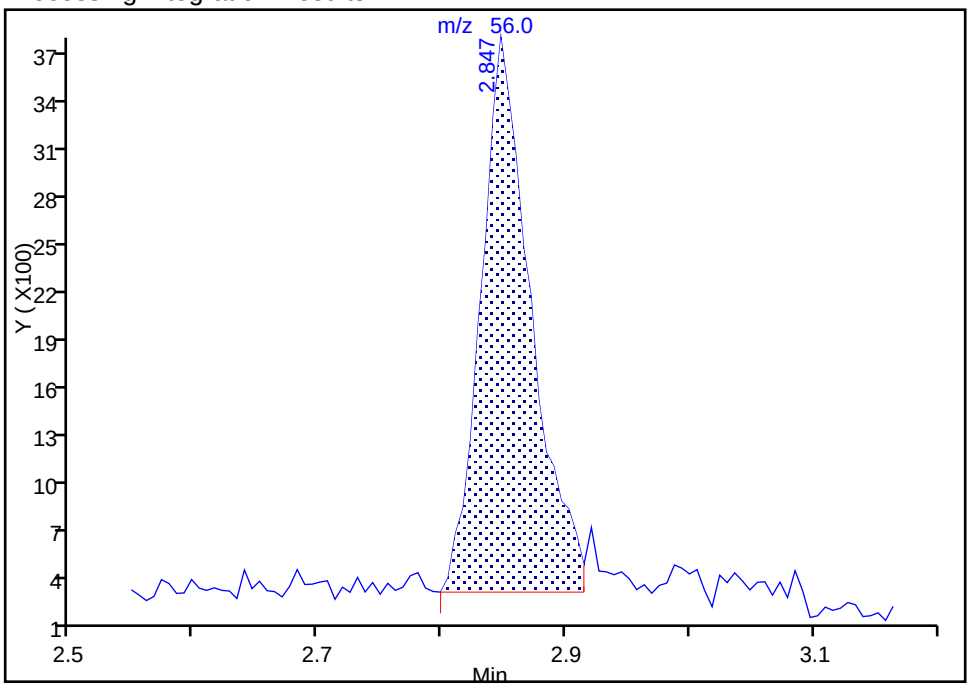
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43578.D
Injection Date: 07-Aug-2017 07:46:30 Instrument ID: CVOAMS1
Lims ID: STD20
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA 624 ICAL
Column: Rtx-624 (0.25 mm) Detector MS SCAN

16 Acrolein, CAS: 107-02-8

Signal: 1

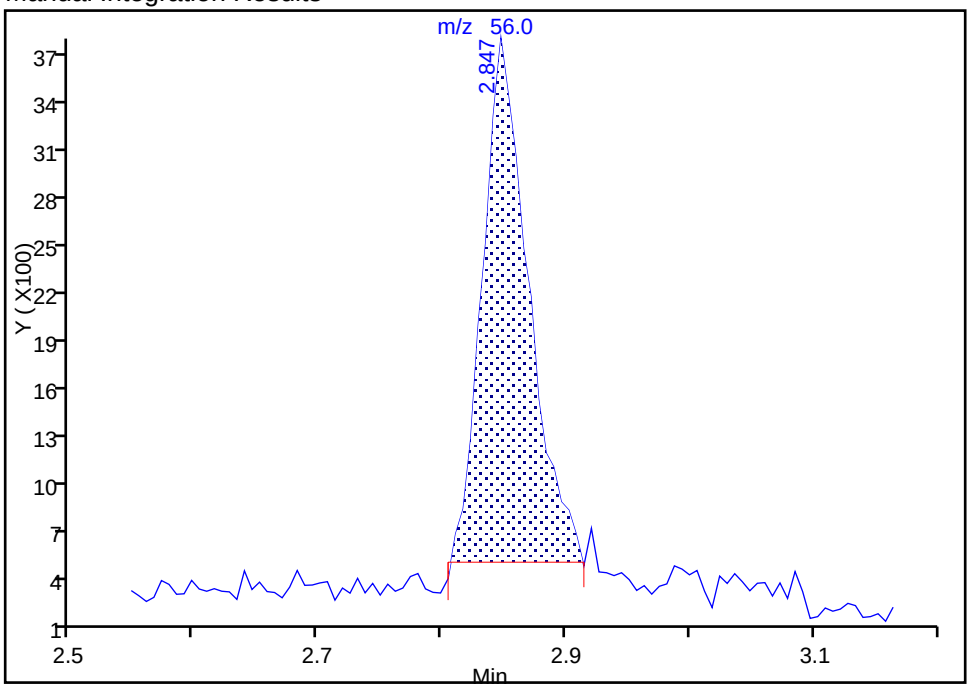
Processing Integration Results

RT: 2.85
Area: 9751
Amount: 59.979065
Amount Units: ug/l



Manual Integration Results

RT: 2.85
Area: 8411
Amount: 50.911684
Amount Units: ug/l



Reviewer: delpolitov, 09-Aug-2017 09:21:09
Audit Action: Manually Integrated Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43579.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 07-Aug-2017 08:09:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0058730-007
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 09-Aug-2017 10:27:47 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: desais Date: 07-Aug-2017 10:59:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.555	1.543	0.012	88	20916	NC	NC	
3 Dichlorodifluoromethane	85	1.579	1.579	0.000	100	122580	50.0	49.2	
4 Chloromethane	50	1.738	1.732	0.006	99	115954	50.0	45.9	
6 Butadiene	54	1.847	1.842	0.005	99	109512	50.0	45.7	
5 Vinyl chloride	62	1.854	1.842	0.012	98	116604	50.0	46.4	
7 Bromomethane	94	2.152	2.140	0.012	99	70738	50.0	45.7	
8 Chloroethane	64	2.219	2.213	0.006	99	63124	50.0	45.9	
10 Dichlorofluoromethane	67	2.445	2.439	0.006	99	152601	NC	NC	
11 Pentane	72	2.457	2.451	0.006	97	36638	100.0	97.3	
9 Trichlorofluoromethane	101	2.451	2.451	0.000	58	126777	50.0	47.1	
13 Ethyl ether	59	2.664	2.658	0.006	94	89376	50.0	47.1	
12 Ethanol	46	2.664	2.658	0.006	75	17398	2000.0	1501.8	
14 2-Methyl-1,3-butadiene	53	2.689	2.683	0.006	95	91734	50.0	48.4	
15 1,2-Dichloro-1,1,2-trifluo	117	2.744	2.738	0.006	95	79517	NC	NC	
16 Acrolein	56	2.853	2.847	0.006	93	14047	100.0	80.2	M
17 1,1,2-Trichloro-1,2,2-trif	101	2.884	2.872	0.012	96	100496	50.0	51.7	
18 1,1-Dichloroethene	96	2.890	2.884	0.006	99	98788	50.0	48.2	
19 Acetone	58	2.988	2.988	0.000	87	58842	250.0	249.9	
20 Iodomethane	142	3.048	3.042	0.006	97	191683	50.0	49.3	
21 Carbon disulfide	76	3.079	3.073	0.006	99	384263	50.0	48.2	
22 Isopropyl alcohol	45	3.097	3.079	0.018	1	63728	500.0	464.1	
23 3-Chloro-1-propene	76	3.213	3.207	0.006	90	76457	50.0	48.3	
24 Methyl acetate	43	3.231	3.225	0.006	99	423593	250.0	246.7	
25 Cyclopentene	67	3.231	3.225	0.006	91	286530	NC	NC	
26 Acetonitrile	41	3.292	3.292	0.000	97	155879	500.0	495.9	
27 Methylene Chloride	84	3.347	3.341	0.006	93	127553	50.0	48.6	
* 28 TBA-d9 (IS)	65	3.353	3.347	0.006	64	190109	1000.0	1000.0	
29 2-Methyl-2-propanol	59	3.420	3.427	-0.007	91	117559	500.0	456.3	
30 Methyl tert-butyl ether	73	3.506	3.494	0.012	97	313705	50.0	47.9	
31 trans-1,2-Dichloroethene	96	3.524	3.518	0.006	96	123555	50.0	47.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Acrylonitrile	53	3.597	3.597	0.000	94	475506	500.0	506.7	
33 Hexane	43	3.670	3.664	0.006	93	107120	50.0	51.2	
34 Isopropyl ether	45	3.871	3.865	0.006	96	378329	50.0	47.4	
35 1,1-Dichloroethane	63	3.896	3.890	0.006	99	215853	50.0	48.2	
36 Vinyl acetate	86	3.914	3.914	0.000	100	49873	100.0	96.1	
37 2-Chloro-1,3-butadiene	88	3.932	3.933	-0.001	90	108508	NC	NC	
38 Tert-butyl ethyl ether	59	4.152	4.146	0.006	89	350548	NC	NC	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	98	222231	250.0	250.0	
40 2,2-Dichloropropane	97	4.347	4.347	0.000	86	40804	50.0	43.5	
41 cis-1,2-Dichloroethene	96	4.353	4.347	0.006	96	140796	50.0	47.6	
42 Ethyl acetate	70	4.365	4.365	0.000	93	23773	100.0	100.3	
43 2-Butanone (MEK)	72	4.365	4.371	-0.006	96	66226	250.0	238.4	
44 Methyl acrylate	55	4.414	4.408	0.006	82	99311	NC	NC	
45 Propionitrile	54	4.481	4.481	0.000	98	170352	NC	NC	
47 Tetrahydrofuran	72	4.536	4.536	0.000	61	29611	100.0	93.5	
46 Chlorobromomethane	128	4.542	4.536	0.006	85	64365	50.0	47.3	
48 Methacrylonitrile	67	4.560	4.560	0.000	92	482694	NC	NC	
49 Chloroform	83	4.585	4.579	0.006	99	204942	50.0	47.8	
50 Cyclohexane	56	4.688	4.689	0.000	93	219026	50.0	50.6	
51 1,1,1-Trichloroethane	97	4.701	4.701	0.000	98	162061	50.0	48.1	
$ 52 Dibromofluoromethane (Surr	113	4.707	4.707	0.000	98	110781	50.0	50.5	
54 Carbon tetrachloride	117	4.798	4.798	0.000	99	138629	50.0	47.7	
55 1,1-Dichloropropene	75	4.816	4.817	-0.001	98	157183	50.0	47.2	
56 Isobutyl alcohol	43	4.914	4.920	-0.006	94	191060	NC	NC	
57 Isooctane	57	4.944	4.945	-0.001	95	343272	NC	NC	
58 Benzene	78	4.975	4.975	0.000	98	467562	50.0	48.6	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	96	118763	50.0	49.4	
60 Isopropyl acetate	43	5.018	5.012	0.006	97	361347	50.0	49.6	
61 Tert-amyl methyl ether	73	5.018	5.018	0.000	90	417645	NC	NC	
62 1,2-Dichloroethane	62	5.042	5.042	0.000	96	141320	50.0	47.7	
63 n-Heptane	71	5.085	5.085	0.000	92	108550	50.0	50.2	
* 64 Fluorobenzene	96	5.194	5.195	0.000	99	414028	50.0	50.0	
65 n-Butanol	56	5.408	5.408	0.000	88	79231	1250.0	1191.8	
66 Trichloroethene	95	5.457	5.457	0.000	99	117569	50.0	46.7	
67 Ethyl acrylate	56	5.548	5.548	0.000	99	76228	50.0	50.2	
68 Methylcyclohexane	83	5.554	5.554	0.000	94	208554	50.0	49.9	
69 1,2-Dichloropropane	63	5.682	5.676	0.006	93	119896	50.0	46.5	
* 71 1,4-Dioxane-d8	96	5.725	5.719	0.006	33	20936	1000.0	1000.0	
70 Methyl methacrylate	100	5.725	5.725	0.000	87	59299	100.0	93.3	
73 1,4-Dioxane	88	5.761	5.768	-0.007	28	24332	1000.0	975.4	
72 n-Propyl acetate	43	5.767	5.768	-0.001	98	153266	50.0	47.5	
74 Dibromomethane	93	5.780	5.780	0.000	97	73121	50.0	47.1	
75 Dichlorobromomethane	83	5.895	5.896	-0.001	100	145350	50.0	46.5	
76 2-Chloroethyl vinyl ether	63	6.164	6.164	0.000	97	69195	50.0	48.2	
77 2-Nitropropane	41	6.176	6.170	0.006	97	52029	NC	NC	
78 Epichlorohydrin	57	6.267	6.261	0.006	98	218664	1000.0	960.3	
79 cis-1,3-Dichloropropene	75	6.316	6.310	0.006	92	183622	50.0	48.4	
80 4-Methyl-2-pentanone (MIBK	43	6.450	6.450	0.000	97	582241	250.0	246.3	
$ 81 Toluene-d8 (Surr)	98	6.530	6.530	0.000	99	399995	50.0	50.8	
82 Toluene	91	6.590	6.591	-0.001	93	479756	50.0	47.2	
83 trans-1,3-Dichloropropene	75	6.840	6.834	0.006	97	158893	50.0	48.7	
84 Ethyl methacrylate	69	6.847	6.847	0.000	86	151437	NC	NC	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 1,1,2-Trichloroethane	83	6.993	6.993	0.000	97	86201	50.0	46.9	
86 Tetrachloroethene	166	7.029	7.023	0.006	97	117639	50.0	48.3	
87 1,3-Dichloropropane	76	7.133	7.133	0.000	95	164538	50.0	48.6	
88 2-Hexanone	43	7.157	7.158	-0.001	96	370876	250.0	243.2	
89 n-Butyl acetate	73	7.218	7.219	0.000	99	29982	50.0	45.9	
90 Chlorodibromomethane	129	7.279	7.279	0.000	98	111209	50.0	48.9	
91 Ethylene Dibromide	107	7.377	7.377	0.000	98	101021	50.0	48.8	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	85	287506	50.0	50.0	
93 Chlorobenzene	112	7.700	7.700	0.000	94	308847	50.0	48.2	
94 Ethylbenzene	106	7.749	7.749	0.000	98	170548	50.0	48.2	
95 1,1,1,2-Tetrachloroethane	131	7.761	7.761	0.000	96	115890	50.0	49.9	
96 m-Xylene & p-Xylene	106	7.828	7.828	0.000	99	217024	50.0	49.0	
97 n-Butyl acrylate	73	8.060	8.054	0.006	98	100129	50.0	47.9	
98 o-Xylene	106	8.090	8.090	0.000	94	219500	50.0	48.8	
99 Styrene	104	8.108	8.109	-0.001	93	379536	50.0	48.8	
100 Amyl acetate (mixed isomer	43	8.194	8.194	0.000	91	250738	50.0	45.6	
101 Bromoform	173	8.249	8.249	0.000	98	85005	50.0	50.2	
102 Isopropylbenzene	105	8.310	8.310	0.000	96	591432	50.0	50.1	
$ 103 4-Bromofluorobenzene	174	8.438	8.432	0.006	92	141260	50.0	50.8	
104 Bromobenzene	156	8.529	8.523	0.006	98	149517	50.0	45.0	
105 1,1,2,2-Tetrachloroethane	83	8.535	8.529	0.006	99	168758	50.0	47.2	
106 N-Propylbenzene	91	8.554	8.548	0.006	99	729226	50.0	46.3	
107 1,2,3-Trichloropropane	110	8.572	8.566	0.006	95	44745	50.0	46.1	
108 trans-1,4-Dichloro-2-buten	53	8.572	8.566	0.006	76	44032	NC	NC	
109 4-Ethyltoluene	105	8.621	8.615	0.006	98	604809	NC	NC	
110 2-Chlorotoluene	91	8.627	8.627	0.000	96	509726	50.0	47.6	
111 1,3,5-Trimethylbenzene	105	8.657	8.651	0.006	93	521822	50.0	48.0	
113 4-Chlorotoluene	91	8.694	8.688	0.006	96	450589	50.0	48.2	
112 Butyl Methacrylate	87	8.700	8.694	0.006	71	207377	50.0	49.1	
114 tert-Butylbenzene	119	8.840	8.834	0.006	94	422479	50.0	47.8	
115 1,2,4-Trimethylbenzene	105	8.877	8.871	0.006	97	549674	50.0	48.4	
116 sec-Butylbenzene	105	8.962	8.956	0.006	99	637581	50.0	48.2	
117 4-Isopropyltoluene	119	9.041	9.029	0.012	98	559060	50.0	48.1	
118 1,3-Dichlorobenzene	146	9.060	9.047	0.013	97	315207	50.0	48.4	
* 119 1,4-Dichlorobenzene-d4	152	9.096	9.090	0.006	97	187763	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.108	9.102	0.006	94	323363	50.0	49.4	
136 1,2,3-Trimethylbenzene	105	9.114	9.108	0.006	0	564232	50.0	49.1	
121 Benzyl chloride	91	9.194	9.182	0.012	99	359073	50.0	49.3	
122 2,3-Dihydroindene	117	9.236	9.230	0.006	94	615359	NC	NC	
123 p-Diethylbenzene	119	9.255	9.242	0.013	92	357275	NC	NC	
124 n-Butylbenzene	92	9.267	9.261	0.006	98	295655	50.0	49.9	
125 1,2-Dichlorobenzene	146	9.334	9.322	0.012	96	310273	50.0	50.2	
126 1,2,4,5-Tetramethylbenzene	119	9.730	9.718	0.012	97	539363	NC	NC	
127 1,2-Dibromo-3-Chloropropan	75	9.828	9.816	0.012	95	30429	50.0	46.3	
128 1,3,5-Trichlorobenzene	180	9.919	9.907	0.012	98	221915	NC	NC	
129 1,2,4-Trichlorobenzene	180	10.382	10.370	0.012	94	202323	50.0	47.2	
130 Hexachlorobutadiene	225	10.456	10.443	0.013	97	93745	50.0	47.3	
131 Naphthalene	128	10.602	10.590	0.012	99	481225	50.0	47.8	
132 1,2,3-Trichlorobenzene	180	10.803	10.791	0.012	96	165040	50.0	47.9	
S 133 1,2-Dichloroethene, Total	100				0		100.0	95.5	
S 134 Xylenes, Total	100				0		100.0	97.8	
S 135 Total BTEX	1				0		250.0	241.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00067	Amount Added:	10.00	Units: uL	
Ethanol mix_00003	Amount Added:	5.00	Units: uL	
MIX 2 Hi_00058	Amount Added:	5.00	Units: uL	
MIX I Hi_00076	Amount Added:	5.00	Units: uL	
GAS Hi_00212	Amount Added:	5.00	Units: uL	
8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00158	Amount Added:	1.00	Units: uL	Run Reagent

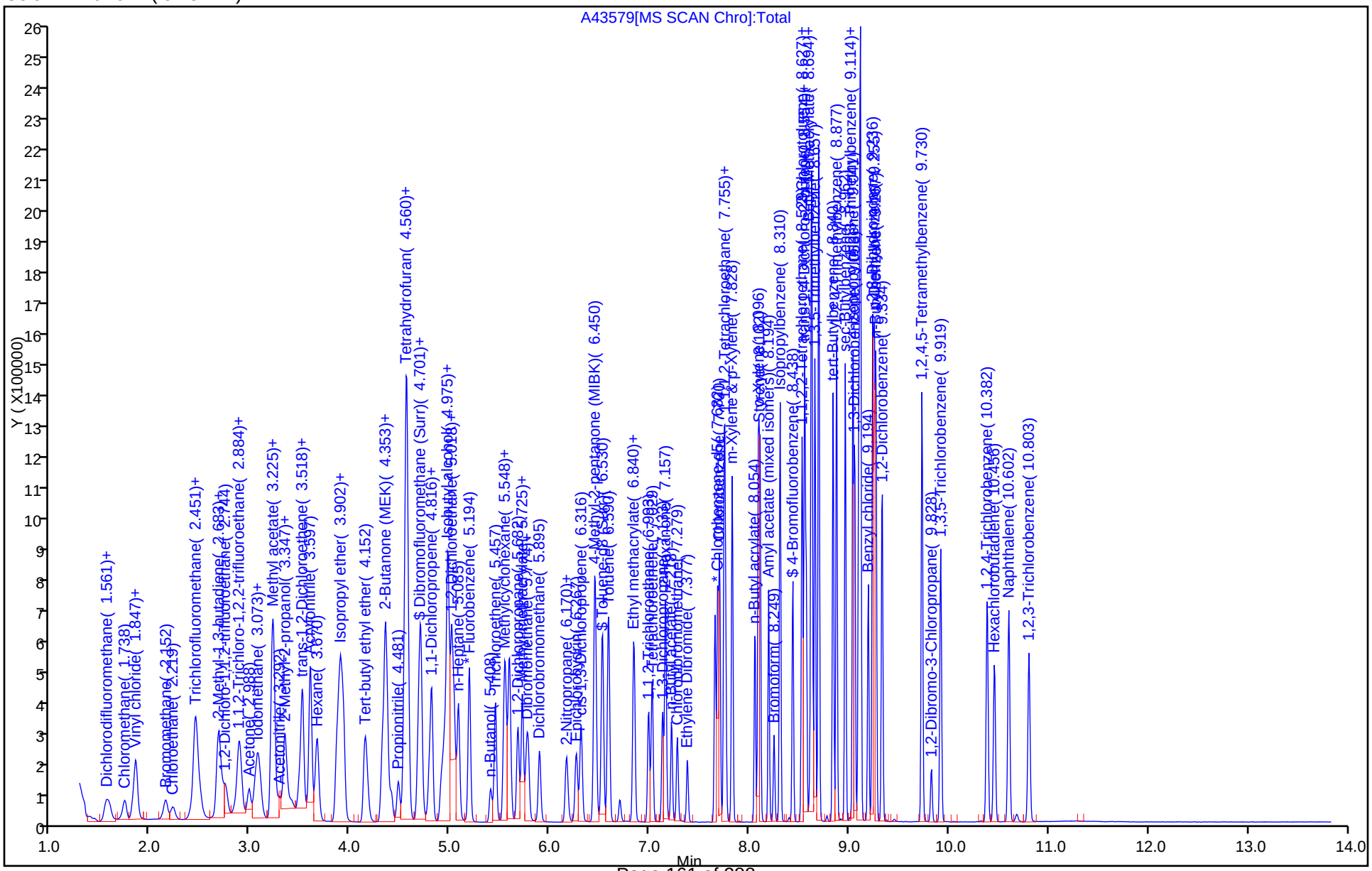
Report Date: 09-Aug-2017 10:27:48 Chrom Revision: 2.2 20-Jun-2017 07:42:38

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43579.D

Injection Date:	07-Aug-2017 08:09:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	STD50			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

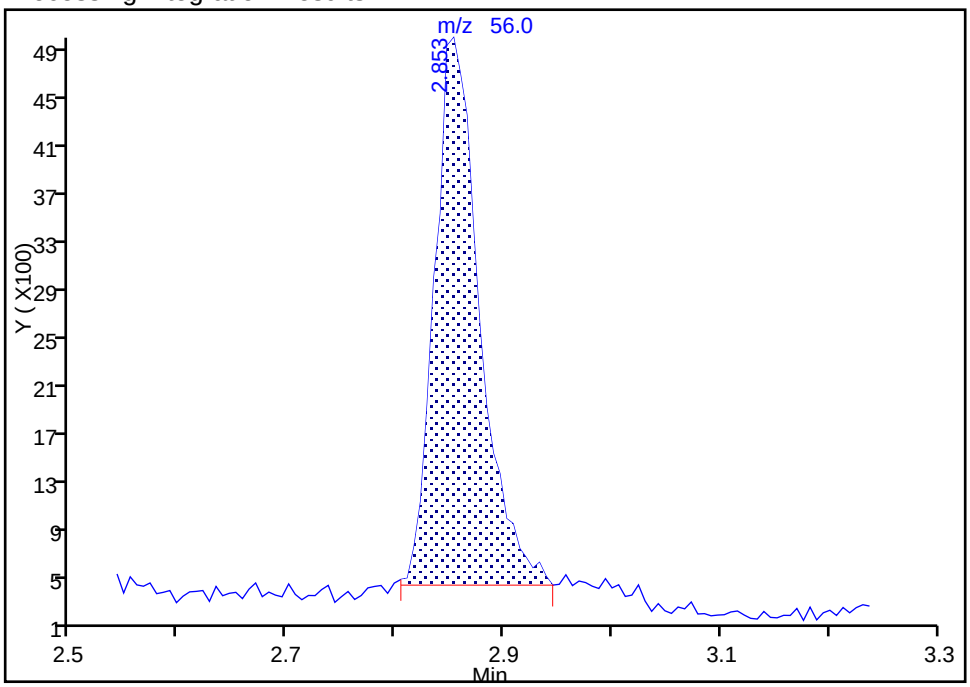
Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43579.D
Injection Date: 07-Aug-2017 08:09:30 Instrument ID: CVOAMS1
Lims ID: STD50
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA 624 ICAL
Column: Rtx-624 (0.25 mm) Detector MS SCAN

16 Acrolein, CAS: 107-02-8

Signal: 1

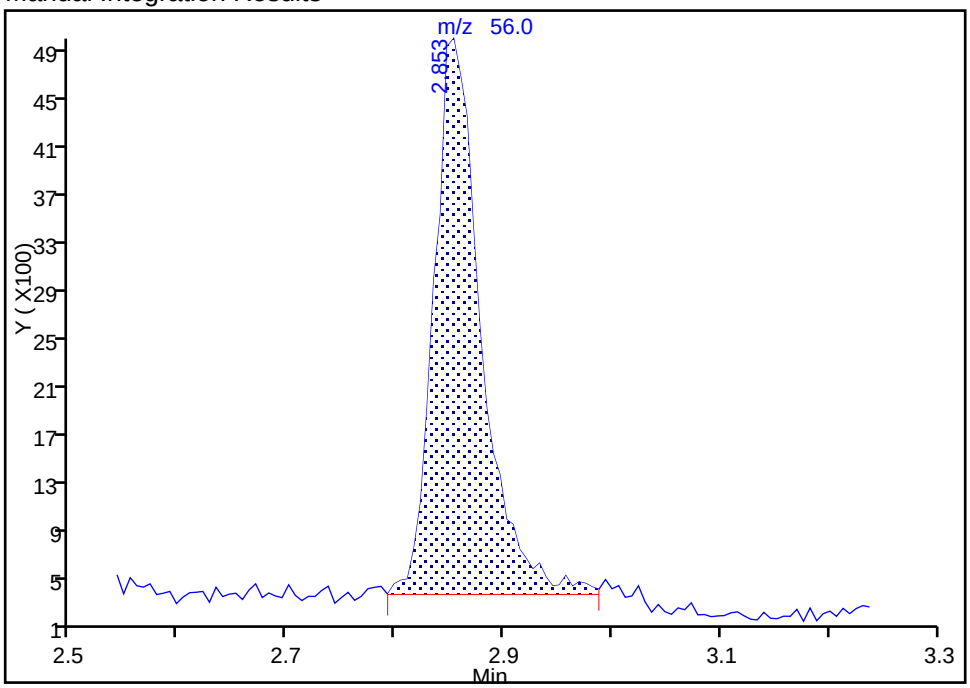
Processing Integration Results

RT: 2.85
Area: 13182
Amount: 92.947772
Amount Units: ug/l



Manual Integration Results

RT: 2.85
Area: 14047
Amount: 80.200494
Amount Units: ug/l



Reviewer: delpolitov, 09-Aug-2017 09:14:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43580.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 07-Aug-2017 08:31:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0058730-008
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 09-Aug-2017 10:27:51 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: desais Date: 07-Aug-2017 10:59:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.555	1.543	0.012	88	95889	NC	NC	
3 Dichlorodifluoromethane	85	1.586	1.579	0.007	100	589766	200.0	222.9	
4 Chloromethane	50	1.750	1.732	0.018	100	552389	200.0	205.9	
5 Vinyl chloride	62	1.860	1.842	0.018	98	549136	200.0	205.8	
6 Butadiene	54	1.860	1.842	0.018	85	525574	200.0	206.8	
7 Bromomethane	94	2.159	2.140	0.019	99	327237	200.0	199.4	
8 Chloroethane	64	2.232	2.213	0.019	99	294723	200.0	201.9	
10 Dichlorofluoromethane	67	2.445	2.439	0.006	99	704512	NC	NC	
9 Trichlorofluoromethane	101	2.457	2.451	0.006	100	600182	200.0	210.4	
11 Pentane	72	2.463	2.451	0.012	95	154007	400.0	385.3	
12 Ethanol	46	2.677	2.658	0.019	71	63593	8000.0	5664.0	
13 Ethyl ether	59	2.671	2.658	0.013	95	370134	200.0	183.7	
14 2-Methyl-1,3-butadiene	53	2.689	2.683	0.006	97	389497	200.0	193.5	
15 1,2-Dichloro-1,1,2-trifluo	117	2.756	2.738	0.018	95	339067	NC	NC	
16 Acrolein	56	2.860	2.847	0.013	92	26976	200.0	158.9	
17 1,1,2-Trichloro-1,2,2-trif	101	2.884	2.872	0.012	97	429562	200.0	208.2	
18 1,1-Dichloroethene	96	2.896	2.884	0.012	99	422373	200.0	194.4	
19 Acetone	58	2.988	2.988	0.000	87	217028	1000.0	876.7	
20 Iodomethane	142	3.055	3.042	0.013	98	796851	200.0	193.1	
21 Carbon disulfide	76	3.085	3.073	0.012	99	1648450	200.0	194.7	
22 Isopropyl alcohol	45	3.098	3.079	0.019	58	245225	2000.0	1842.7	
23 3-Chloro-1-propene	76	3.219	3.207	0.012	93	317546	200.0	189.0	
25 Cyclopentene	67	3.232	3.225	0.007	92	1226766	NC	NC	
24 Methyl acetate	43	3.232	3.225	0.007	99	1779044	1000.0	976.6	
26 Acetonitrile	41	3.299	3.292	0.007	99	683223	2000.0	2242.9	
27 Methylene Chloride	84	3.354	3.341	0.013	92	522490	200.0	187.5	
* 28 TBA-d9 (IS)	65	3.360	3.347	0.013	32	184242	1000.0	1000.0	
29 2-Methyl-2-propanol	59	3.427	3.427	0.000	93	479306	2000.0	1919.7	
30 Methyl tert-butyl ether	73	3.506	3.494	0.012	97	1312895	200.0	188.8	
31 trans-1,2-Dichloroethene	96	3.524	3.518	0.006	95	514812	200.0	188.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Acrylonitrile	53	3.604	3.597	0.007	94	1955763	2000.0	1967.8	
33 Hexane	43	3.671	3.664	0.007	93	453462	200.0	204.3	
34 Isopropyl ether	45	3.878	3.865	0.013	95	1541649	200.0	182.0	
35 1,1-Dichloroethane	63	3.896	3.890	0.006	99	896979	200.0	188.9	
36 Vinyl acetate	86	3.914	3.914	0.000	100	221542	400.0	402.4	
37 2-Chloro-1,3-butadiene	88	3.939	3.933	0.006	90	455629	NC	NC	
38 Tert-butyl ethyl ether	59	4.158	4.146	0.012	88	1438988	NC	NC	
* 39 2-Butanone-d5	46	4.329	4.323	0.006	95	233650	250.0	250.0	
41 cis-1,2-Dichloroethene	96	4.353	4.347	0.006	96	591764	200.0	188.4	
40 2,2-Dichloropropane	97	4.347	4.347	0.000	92	170788	200.0	171.6	
42 Ethyl acetate	70	4.372	4.365	0.007	95	99330	400.0	403.7	
43 2-Butanone (MEK)	72	4.372	4.371	0.001	96	279735	1000.0	957.7	
44 Methyl acrylate	55	4.414	4.408	0.006	93	426106	NC	NC	
45 Propionitrile	54	4.487	4.481	0.006	98	689781	NC	NC	
46 Chlorobromomethane	128	4.542	4.536	0.006	92	270811	200.0	187.7	
47 Tetrahydrofuran	72	4.542	4.536	0.006	76	125705	400.0	377.3	
48 Methacrylonitrile	67	4.567	4.560	0.007	92	2024259	NC	NC	
49 Chloroform	83	4.585	4.579	0.006	99	865324	200.0	190.4	
50 Cyclohexane	56	4.695	4.689	0.007	93	925118	200.0	201.3	
51 1,1,1-Trichloroethane	97	4.707	4.701	0.006	98	693321	200.0	193.8	
$ 52 Dibromofluoromethane (Surr	113	4.713	4.707	0.006	98	115140	50.0	49.4	
54 Carbon tetrachloride	117	4.798	4.798	0.000	99	608747	200.0	197.2	
55 1,1-Dichloropropene	75	4.823	4.817	0.006	98	687108	200.0	194.6	
56 Isobutyl alcohol	43	4.920	4.920	0.000	96	770527	NC	NC	
57 Isooctane	57	4.957	4.945	0.012	95	1469036	NC	NC	
58 Benzene	78	4.975	4.975	0.000	96	2021254	200.0	195.1	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	94	130000	50.0	51.0	
60 Isopropyl acetate	43	5.018	5.012	0.006	97	1435387	200.0	185.5	
61 Tert-amyl methyl ether	73	5.024	5.018	0.006	90	1669908	NC	NC	
62 1,2-Dichloroethane	62	5.048	5.042	0.006	96	598726	200.0	190.6	
63 n-Heptane	71	5.085	5.085	0.000	91	425851	200.0	185.6	
* 64 Fluorobenzene	96	5.195	5.195	0.001	98	439314	50.0	50.0	
65 n-Butanol	56	5.408	5.408	0.000	88	316400	5000.0	4911.0	
66 Trichloroethene	95	5.457	5.457	0.000	99	516199	200.0	193.2	
67 Ethyl acrylate	56	5.548	5.548	0.000	99	325261	200.0	201.7	
68 Methylcyclohexane	83	5.554	5.554	0.000	93	877829	200.0	197.9	
69 1,2-Dichloropropane	63	5.682	5.676	0.006	93	518232	200.0	189.3	
* 71 1,4-Dioxane-d8	96	5.719	5.719	0.000	33	25907	1000.0	1000.0	
70 Methyl methacrylate	100	5.731	5.725	0.006	88	259252	400.0	384.4	
72 n-Propyl acetate	43	5.768	5.768	0.000	98	639426	200.0	186.7	
73 1,4-Dioxane	88	5.768	5.768	0.000	30	96489	4000.0	3125.6	
74 Dibromomethane	93	5.786	5.780	0.006	97	315447	200.0	191.4	
75 Dichlorobromomethane	83	5.902	5.896	0.006	99	652708	200.0	196.7	
76 2-Chloroethyl vinyl ether	63	6.170	6.164	0.006	98	297234	200.0	195.2	
77 2-Nitropropane	41	6.176	6.170	0.006	98	222279	NC	NC	
78 Epichlorohydrin	57	6.268	6.261	0.007	99	917476	4000.0	3832.4	
79 cis-1,3-Dichloropropene	75	6.316	6.310	0.006	91	817958	200.0	200.4	
80 4-Methyl-2-pentanone (MIBK	43	6.457	6.450	0.007	96	2444291	1000.0	983.5	
$ 81 Toluene-d8 (Surr)	98	6.530	6.530	0.000	99	429370	50.0	50.7	
82 Toluene	91	6.591	6.591	0.000	93	2125508	200.0	194.3	
83 trans-1,3-Dichloropropene	75	6.841	6.834	0.007	97	697302	200.0	198.8	
84 Ethyl methacrylate	69	6.853	6.847	0.006	89	643344	NC	NC	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 1,1,2-Trichloroethane	83	6.993	6.993	0.000	96	373614	200.0	188.8	
86 Tetrachloroethene	166	7.030	7.023	0.007	97	521512	200.0	199.2	
87 1,3-Dichloropropane	76	7.133	7.133	0.000	94	717773	200.0	196.9	
88 2-Hexanone	43	7.164	7.158	0.006	95	1508435	1000.0	940.6	
89 n-Butyl acetate	73	7.225	7.219	0.007	99	125062	200.0	178.0	
90 Chlorodibromomethane	129	7.280	7.279	0.001	98	499456	200.0	204.2	
91 Ethylene Dibromide	107	7.383	7.377	0.006	99	438353	200.0	196.6	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	84	309315	50.0	50.0	
93 Chlorobenzene	112	7.706	7.700	0.006	94	1355296	200.0	196.7	
94 Ethylbenzene	106	7.749	7.749	0.000	98	741797	200.0	195.0	
95 1,1,1,2-Tetrachloroethane	131	7.761	7.761	0.000	96	509997	200.0	204.1	
96 m-Xylene & p-Xylene	106	7.828	7.828	0.000	99	942461	200.0	197.6	
97 n-Butyl acrylate	73	8.054	8.054	0.000	97	413111	200.0	183.6	
98 o-Xylene	106	8.090	8.090	0.000	94	943466	200.0	195.0	
99 Styrene	104	8.109	8.109	0.000	95	1627973	200.0	194.7	
100 Amyl acetate (mixed isomer	43	8.194	8.194	0.000	91	1013837	200.0	190.1	
101 Bromoform	173	8.249	8.249	0.000	98	372601	200.0	204.7	
102 Isopropylbenzene	105	8.310	8.310	0.000	95	2527826	200.0	199.1	
$ 103 4-Bromofluorobenzene	174	8.438	8.432	0.006	94	145466	50.0	48.7	
104 Bromobenzene	156	8.523	8.523	0.000	98	632587	200.0	196.6	
105 1,1,2,2-Tetrachloroethane	83	8.529	8.529	0.000	99	680522	200.0	196.5	
106 N-Propylbenzene	91	8.554	8.548	0.006	99	3064001	200.0	200.6	
108 trans-1,4-Dichloro-2-buten	53	8.572	8.566	0.006	74	179929	NC	NC	
107 1,2,3-Trichloropropane	110	8.566	8.566	0.000	97	181598	200.0	192.9	
109 4-Ethyltoluene	105	8.621	8.615	0.006	98	2514917	NC	NC	
110 2-Chlorotoluene	91	8.627	8.627	0.000	96	2062009	200.0	198.9	
111 1,3,5-Trimethylbenzene	105	8.657	8.651	0.006	93	2122283	200.0	201.3	
113 4-Chlorotoluene	91	8.694	8.688	0.006	96	1825413	200.0	201.6	
112 Butyl Methacrylate	87	8.694	8.694	0.000	78	818048	200.0	199.8	
114 tert-Butylbenzene	119	8.834	8.834	0.000	94	1784276	200.0	208.4	
115 1,2,4-Trimethylbenzene	105	8.871	8.871	0.000	97	2222259	200.0	201.9	
116 sec-Butylbenzene	105	8.956	8.956	0.000	99	2618723	200.0	204.3	
117 4-Isopropyltoluene	119	9.029	9.029	0.000	98	2248727	200.0	199.9	
118 1,3-Dichlorobenzene	146	9.048	9.047	0.001	98	1251523	200.0	198.4	
* 119 1,4-Dichlorobenzene-d4	152	9.090	9.090	0.000	89	181914	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.102	9.102	0.000	94	1253310	200.0	197.7	
136 1,2,3-Trimethylbenzene	105	9.109	9.108	0.001	0	2175174	200.0	195.3	
121 Benzyl chloride	91	9.188	9.182	0.006	99	1393373	200.0	197.6	
122 2,3-Dihydroindene	117	9.230	9.230	0.000	94	2350790	NC	NC	
123 p-Diethylbenzene	119	9.243	9.242	0.001	93	1346742	NC	NC	
124 n-Butylbenzene	92	9.261	9.261	0.000	97	1124311	200.0	195.9	
125 1,2-Dichlorobenzene	146	9.322	9.322	0.000	96	1187722	200.0	198.3	
126 1,2,4,5-Tetramethylbenzene	119	9.724	9.718	0.006	97	2176523	NC	NC	
127 1,2-Dibromo-3-Chloropropan	75	9.816	9.816	0.000	95	124738	200.0	195.9	
128 1,3,5-Trichlorobenzene	180	9.907	9.907	0.000	97	891956	NC	NC	
129 1,2,4-Trichlorobenzene	180	10.377	10.370	0.007	94	852216	200.0	205.3	
130 Hexachlorobutadiene	225	10.444	10.443	0.001	97	382317	200.0	199.1	
131 Naphthalene	128	10.590	10.590	0.000	99	2033869	200.0	208.3	
132 1,2,3-Trichlorobenzene	180	10.791	10.791	0.000	96	685182	200.0	205.4	
S 133 1,2-Dichloroethene, Total	100				0		400.0	376.6	
S 134 Xylenes, Total	100				0		400.0	392.6	
S 135 Total BTEX	1				0		1000.0	977.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ACROLEIN W_00067	Amount Added:	20.00	Units: uL	
Ethanol mix_00003	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00058	Amount Added:	20.00	Units: uL	
MIX I Hi_00076	Amount Added:	20.00	Units: uL	
GAS Hi_00212	Amount Added:	20.00	Units: uL	
8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00158	Amount Added:	1.00	Units: uL	Run Reagent

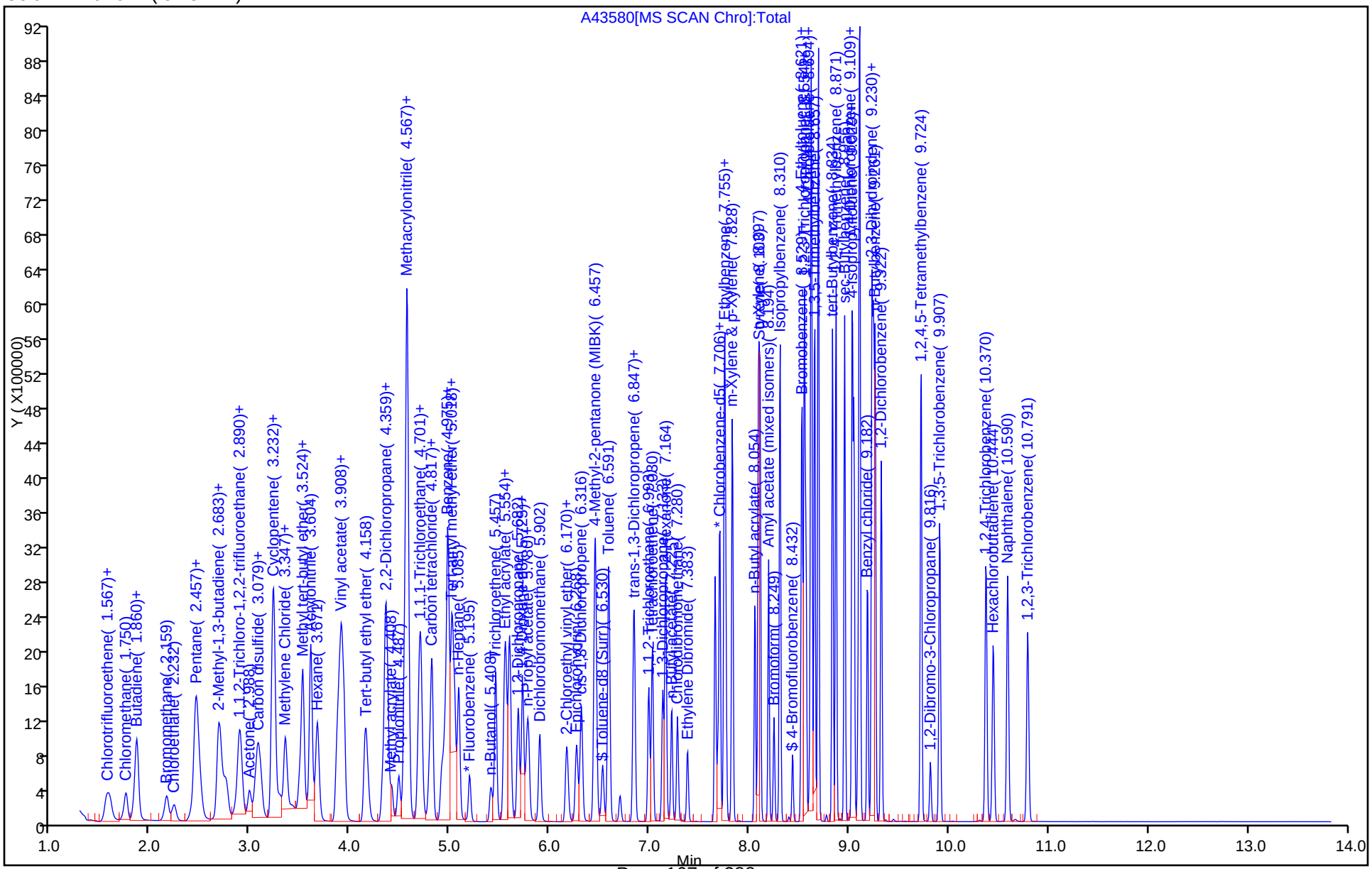
Report Date: 09-Aug-2017 10:27:53 Chrom Revision: 2.2 20-Jun-2017 07:42:38

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43580.D

Injection Date:	07-Aug-2017 08:31:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	STD200			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 07-Aug-2017 08:54:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0058730-009
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 09-Aug-2017 10:27:55 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: desais Date: 07-Aug-2017 11:01:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.561	1.543	0.018	93	244446	NC	NC	
3 Dichlorodifluoromethane	85	1.598	1.579	0.019	100	1512654	500.0	580.3	
4 Chloromethane	50	1.762	1.732	0.030	99	1367531	500.0	517.4	
6 Butadiene	54	1.872	1.842	0.030	85	1303202	500.0	520.5	
5 Vinyl chloride	62	1.872	1.842	0.030	98	1376864	500.0	523.8	
7 Bromomethane	94	2.171	2.140	0.031	99	779683	500.0	482.1	
8 Chloroethane	64	2.244	2.213	0.031	99	706912	500.0	491.4	
10 Dichlorofluoromethane	67	2.457	2.439	0.018	99	1695173	NC	NC	
11 Pentane	72	2.488	2.451	0.037	97	380137	1000.0	965.3	
9 Trichlorofluoromethane	101	2.469	2.451	0.018	98	1478979	500.0	526.1	
13 Ethyl ether	59	2.677	2.658	0.019	95	906039	500.0	456.5	
12 Ethanol	46	2.677	2.658	0.019	73	161946	20000	13870	
14 2-Methyl-1,3-butadiene	53	2.701	2.683	0.018	96	959227	500.0	483.8	
15 1,2-Dichloro-1,1,2-trifluo	117	2.756	2.738	0.018	95	817799	NC	NC	
16 Acrolein	56	2.866	2.847	0.019	87	52317	400.0	296.4	
17 1,1,2-Trichloro-1,2,2-trif	101	2.890	2.872	0.018	97	1061363	500.0	522.1	
18 1,1-Dichloroethene	96	2.914	2.884	0.030	99	1023220	500.0	477.9	
19 Acetone	58	2.994	2.988	0.006	87	526410	2500.0	1940.9	
20 Iodomethane	142	3.067	3.042	0.025	98	1870932	500.0	460.2	
21 Carbon disulfide	76	3.103	3.073	0.030	98	3924958	500.0	470.6	
22 Isopropyl alcohol	45	3.103	3.079	0.024	54	637488	5000.0	4606.5	
23 3-Chloro-1-propene	76	3.225	3.207	0.018	91	780181	500.0	471.2	
24 Methyl acetate	43	3.237	3.225	0.012	99	4244451	2500.0	2365.0	
25 Cyclopentene	67	3.244	3.225	0.019	93	2965954	NC	NC	
26 Acetonitrile	41	3.305	3.292	0.013	54	1723137	5000.0	5439.6	
27 Methylene Chloride	84	3.359	3.341	0.018	91	1255292	500.0	457.3	
* 28 TBA-d9 (IS)	65	3.366	3.347	0.019	30	191598	1000.0	1000.0	
29 2-Methyl-2-propanol	59	3.433	3.427	0.006	94	1226685	5000.0	4724.5	
30 Methyl tert-butyl ether	73	3.512	3.494	0.018	97	3206020	500.0	467.9	
31 trans-1,2-Dichloroethene	96	3.530	3.518	0.012	95	1255620	500.0	465.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Acrylonitrile	53	3.609	3.597	0.012	94	4745739	5000.0	4848.4	
33 Hexane	43	3.670	3.664	0.006	92	1099010	500.0	502.5	
34 Isopropyl ether	45	3.884	3.865	0.019	94	3716186	500.0	445.3	
35 1,1-Dichloroethane	63	3.902	3.890	0.012	99	2156003	500.0	460.9	
36 Vinyl acetate	86	3.920	3.914	0.006	100	559164	1000.0	1030.8	
37 2-Chloro-1,3-butadiene	88	3.939	3.933	0.006	90	1133608	NC	NC	
38 Tert-butyl ethyl ether	59	4.158	4.146	0.012	89	3542920	NC	NC	
* 39 2-Butanone-d5	46	4.329	4.323	0.006	97	256004	250.0	250.0	
40 2,2-Dichloropropane	97	4.353	4.347	0.006	94	413119	500.0	421.3	
41 cis-1,2-Dichloroethene	96	4.359	4.347	0.012	98	1443151	500.0	466.4	
42 Ethyl acetate	70	4.378	4.365	0.013	96	267545	1000.0	995.0	
43 2-Butanone (MEK)	72	4.378	4.371	0.007	96	721728	2500.0	2255.2	
44 Methyl acrylate	55	4.420	4.408	0.012	100	1127611	NC	NC	
45 Propionitrile	54	4.493	4.481	0.012	98	1795803	NC	NC	
47 Tetrahydrofuran	72	4.542	4.536	0.006	63	313582	1000.0	859.1	
46 Chlorobromomethane	128	4.548	4.536	0.012	84	646389	500.0	454.7	
48 Methacrylonitrile	67	4.573	4.560	0.013	91	4955491	NC	NC	
49 Chloroform	83	4.591	4.579	0.012	99	1970216	500.0	440.0	
50 Cyclohexane	56	4.701	4.689	0.013	91	2157280	500.0	476.5	
51 1,1,1-Trichloroethane	97	4.713	4.701	0.012	98	1612687	500.0	457.5	
$ 52 Dibromofluoromethane (Surr	113	4.713	4.707	0.006	97	108370	50.0	47.2	
54 Carbon tetrachloride	117	4.804	4.798	0.006	99	1476341	500.0	485.5	
55 1,1-Dichloropropene	75	4.823	4.817	0.006	98	1670395	500.0	480.1	
56 Isobutyl alcohol	43	4.920	4.920	0.000	95	1860884	NC	NC	
57 Isooctane	57	4.963	4.945	0.018	96	3415499	NC	NC	
58 Benzene	78	4.981	4.975	0.006	96	4754925	500.0	435.9	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.993	4.987	0.006	92	130574	50.0	52.0	
60 Isopropyl acetate	43	5.018	5.012	0.006	97	3356753	500.0	440.3	
61 Tert-amyl methyl ether	73	5.030	5.018	0.012	91	3775040	NC	NC	
62 1,2-Dichloroethane	62	5.048	5.042	0.006	96	1394473	500.0	450.5	
63 n-Heptane	71	5.091	5.085	0.006	91	980448	500.0	433.7	
* 64 Fluorobenzene	96	5.201	5.195	0.007	98	432823	50.0	50.0	
65 n-Butanol	56	5.414	5.408	0.006	87	882508	12500	13172	
66 Trichloroethene	95	5.463	5.457	0.006	99	1292283	500.0	491.0	
67 Ethyl acrylate	56	5.554	5.548	0.006	98	799279	500.0	503.1	
68 Methylcyclohexane	83	5.560	5.554	0.006	90	2114615	500.0	483.9	
69 1,2-Dichloropropane	63	5.688	5.676	0.012	93	1252533	500.0	464.3	
* 71 1,4-Dioxane-d8	96	5.725	5.719	0.006	36	37292	1000.0	1000.0	
70 Methyl methacrylate	100	5.731	5.725	0.006	85	684857	1000.0	1030.7	
73 1,4-Dioxane	88	5.774	5.768	0.006	33	244948	10000	5512.4	
72 n-Propyl acetate	43	5.767	5.768	-0.001	97	1678102	500.0	497.4	
74 Dibromomethane	93	5.786	5.780	0.006	98	768106	500.0	473.0	
75 Dichlorobromomethane	83	5.902	5.896	0.006	100	1616929	500.0	494.6	
76 2-Chloroethyl vinyl ether	63	6.170	6.164	0.006	98	822627	500.0	548.2	
77 2-Nitropropane	41	6.182	6.170	0.012	98	593037	NC	NC	
78 Epichlorohydrin	57	6.273	6.261	0.012	98	2477555	10000	9445.2	
79 cis-1,3-Dichloropropene	75	6.322	6.310	0.012	91	2152746	500.0	500.9	
80 4-Methyl-2-pentanone (MIBK	43	6.456	6.450	0.006	96	6100344	2500.0	2240.3	
$ 81 Toluene-d8 (Surr)	98	6.536	6.530	0.006	100	437134	50.0	49.0	
82 Toluene	91	6.597	6.591	0.006	93	5416467	500.0	470.2	
83 trans-1,3-Dichloropropene	75	6.840	6.834	0.006	97	1897123	500.0	513.6	
84 Ethyl methacrylate	69	6.853	6.847	0.006	86	1697238	NC	NC	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 1,1,2-Trichloroethane	83	6.993	6.993	0.000	96	980760	500.0	470.6	
86 Tetrachloroethene	166	7.029	7.023	0.006	97	1315591	500.0	477.1	
87 1,3-Dichloropropane	76	7.133	7.133	0.000	93	1923730	500.0	501.2	
88 2-Hexanone	43	7.164	7.158	0.006	96	3921880	2500.0	2232.1	
89 n-Butyl acetate	73	7.225	7.219	0.006	99	337481	500.0	456.2	
90 Chlorodibromomethane	129	7.279	7.279	0.000	98	1273473	500.0	494.3	
91 Ethylene Dibromide	107	7.383	7.377	0.006	98	1164063	500.0	495.8	
* 92 Chlorobenzene-d5	117	7.688	7.682	0.006	85	325729	50.0	50.0	
93 Chlorobenzene	112	7.706	7.700	0.006	96	3500769	500.0	482.6	
94 Ethylbenzene	106	7.755	7.749	0.006	99	1802530	500.0	449.9	
95 1,1,1,2-Tetrachloroethane	131	7.767	7.761	0.006	96	1186393	500.0	450.9	
96 m-Xylene & p-Xylene	106	7.834	7.828	0.006	100	2205803	500.0	439.2	
97 n-Butyl acrylate	73	8.060	8.054	0.006	97	1078957	500.0	455.3	
98 o-Xylene	106	8.096	8.090	0.006	93	2171688	500.0	426.3	
99 Styrene	104	8.108	8.109	-0.001	93	3770025	500.0	428.2	
100 Amyl acetate (mixed isomer	43	8.194	8.194	0.000	91	2412236	500.0	585.6	
101 Bromoform	173	8.249	8.249	0.000	97	889662	500.0	464.2	
102 Isopropylbenzene	105	8.310	8.310	0.000	95	5716173	500.0	427.5	
$ 103 4-Bromofluorobenzene	174	8.438	8.432	0.006	89	140637	50.0	44.7	
104 Bromobenzene	156	8.529	8.523	0.006	99	1482002	500.0	596.2	
105 1,1,2,2-Tetrachloroethane	83	8.535	8.529	0.006	99	1542551	500.0	576.8	
106 N-Propylbenzene	91	8.554	8.548	0.006	99	6752947	500.0	572.5	
107 1,2,3-Trichloropropane	110	8.572	8.566	0.006	97	388211	500.0	534.0	
108 trans-1,4-Dichloro-2-buten	53	8.572	8.566	0.006	82	402291	NC	NC	
109 4-Ethyltoluene	105	8.621	8.615	0.006	98	5162980	NC	NC	
110 2-Chlorotoluene	91	8.627	8.627	0.000	96	4161497	500.0	519.6	
111 1,3,5-Trimethylbenzene	105	8.657	8.651	0.006	93	4173387	500.0	512.6	
113 4-Chlorotoluene	91	8.700	8.688	0.012	96	3405944	500.0	486.9	
112 Butyl Methacrylate	87	8.700	8.694	0.006	78	1499300	500.0	474.1	
114 tert-Butylbenzene	119	8.840	8.834	0.006	94	3670316	500.0	554.9	
115 1,2,4-Trimethylbenzene	105	8.877	8.871	0.006	97	4222327	500.0	496.7	
116 sec-Butylbenzene	105	8.962	8.956	0.006	99	5064414	500.0	511.5	
117 4-Isopropyltoluene	119	9.041	9.029	0.012	98	4401597	500.0	506.6	
118 1,3-Dichlorobenzene	146	9.060	9.047	0.013	96	2252796	500.0	462.4	
* 119 1,4-Dichlorobenzene-d4	152	9.096	9.090	0.006	90	140514	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.114	9.102	0.012	94	2193828	500.0	448.0	
136 1,2,3-Trimethylbenzene	105	9.120	9.108	0.012	0	3748825	500.0	435.8	
121 Benzyl chloride	91	9.194	9.182	0.012	99	2674137	500.0	490.9	
122 2,3-Dihydroindene	117	9.236	9.230	0.006	94	4162869	NC	NC	
123 p-Diethylbenzene	119	9.255	9.242	0.013	91	2261294	NC	NC	
124 n-Butylbenzene	92	9.273	9.261	0.012	96	1790862	500.0	404.1	
125 1,2-Dichlorobenzene	146	9.334	9.322	0.012	95	1981497	500.0	428.2	
126 1,2,4,5-Tetramethylbenzene	119	9.730	9.718	0.012	97	4373200	NC	NC	
127 1,2-Dibromo-3-Chloropropan	75	9.828	9.816	0.012	94	272173	500.0	553.5	
128 1,3,5-Trichlorobenzene	180	9.919	9.907	0.012	97	1770498	NC	NC	
129 1,2,4-Trichlorobenzene	180	10.382	10.370	0.012	94	1796866	500.0	560.3	
130 Hexachlorobutadiene	225	10.456	10.443	0.013	96	759017	500.0	511.8	
131 Naphthalene	128	10.602	10.590	0.012	99	4420033	500.0	586.2	
132 1,2,3-Trichlorobenzene	180	10.803	10.791	0.012	96	1428451	500.0	554.3	
S 133 1,2-Dichloroethene, Total	100				0		1000.0	932.2	
S 134 Xylenes, Total	100				0		1000.0	865.5	
S 135 Total BTEX	1				0		2500.0	2221.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ACROLEIN W_00067	Amount Added:	40.00	Units: uL	
Ethanol mix_00003	Amount Added:	50.00	Units: uL	
MIX 2 Hi_00058	Amount Added:	50.00	Units: uL	
MIX I Hi_00076	Amount Added:	50.00	Units: uL	
GAS Hi_00212	Amount Added:	50.00	Units: uL	
8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00158	Amount Added:	1.00	Units: uL	Run Reagent

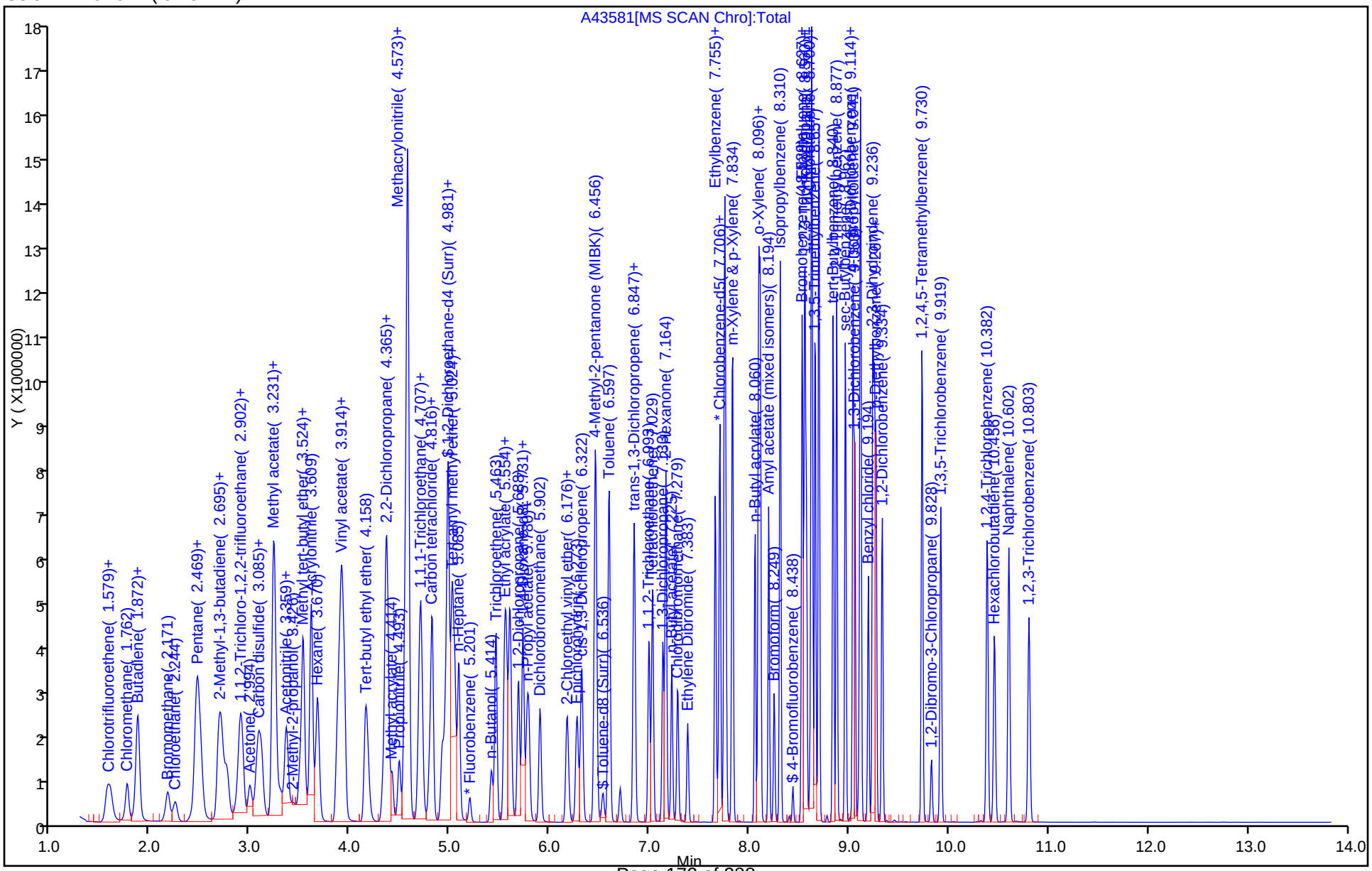
Report Date: 09-Aug-2017 10:27:57 Chrom Revision: 2.2 20-Jun-2017 07:42:38

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Injection Date:	07-Aug-2017 08:54:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	STD500			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Lab Sample ID: CCVIS 460-465797/3 Calibration Date: 09/29/2017 08:13

Instrument ID: CVOAMS1 Calib Start Date: 08/07/2017 06:15

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/07/2017 08:54

Lab File ID: A46494.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3011	0.2809		18.7	20.0	-6.7	50.0
Chloromethane	Ave	0.3054	0.2366	0.1000	15.5	20.0	-22.5	104.0
Butadiene	Ave	0.2892	0.2977		20.6	20.0	2.9	50.0
Vinyl chloride	Ave	0.3037	0.2810		18.5	20.0	-7.5	96.0
Bromomethane	Ave	0.1868	0.2200		23.6	20.0	17.8	86.0
Chloroethane	Ave	0.1662	0.1753		21.1	20.0	5.5	62.0
Trichlorofluoromethane	Ave	0.3247	0.3833		23.6	20.0	18.0	52.0
n-Pentane	Ave	0.0455	0.0495		43.5	40.0	8.8	50.0
Ethanol	Ave	0.0609	0.0464		610	800	-23.8	50.0
Ethyl ether	Ave	0.2293	0.1968		17.2	20.0	-14.2	50.0
Isoprene	Ave	0.2290	0.1933		16.9	20.0	-15.6	50.0
Acrolein	Ave	0.9213	0.8560		37.2	40.0	-7.1	99.0
Freon TF	Ave	0.2348	0.2654		22.6	20.0	13.0	50.0
1,1-Dichloroethene	Ave	0.2473	0.2660		21.5	20.0	7.6	49.5
Acetone	Ave	0.2649	0.2741		103	100	3.5	50.0
Iodomethane	Ave	0.4697	0.5000		21.3	20.0	6.5	50.0
Carbon disulfide	Ave	0.9634	0.8590		17.8	20.0	-10.8	50.0
Isopropanol	Ave	0.7223	0.6493		180	200	-10.1	50.0
Allyl chloride	Ave	0.1913	0.1665		17.4	20.0	-13.0	50.0
Methyl acetate	Ave	0.2073	0.1649		79.6	100	-20.4	50.0
Acetonitrile	Ave	1.653	1.222		148	200	-26.1	50.0
Methylene Chloride	Ave	0.3171	0.3065		19.3	20.0	-3.3	39.5
TBA	Ave	1.355	1.247		184	200	-8.0	50.0
MTBE	Ave	0.7915	0.7065		17.9	20.0	-10.7	50.0
trans-1,2-Dichloroethene	Ave	0.3114	0.3104		19.9	20.0	-0.3	30.5
Acrylonitrile	Lin2		0.1032		181	200	-9.3	50.0
Hexane	Ave	0.2527	0.1971		15.6	20.0	-22.0	50.0
DIPE	Ave	0.9641	0.7117		14.8	20.0	-26.2	50.0
1,1-Dichloroethane	Ave	0.5404	0.4863	0.1000	18.0	20.0	-10.0	27.5
Vinyl acetate	Ave	0.0627	0.0599		38.2	40.0	-4.4	50.0
2,2-Dichloropropane	Ave	0.1133	0.0980		17.3	20.0	-13.5	50.0
cis-1,2-Dichloroethene	Ave	0.3574	0.3518		19.7	20.0	-1.6	50.0
2-Butanone	Ave	0.3125	0.3801		122	100	21.6	50.0
Ethyl acetate	Lin2		0.3272		48.2	40.0	20.6	50.0
Bromochloromethane	Ave	0.1642	0.1792		21.8	20.0	9.2	50.0
Tetrahydrofuran	Ave	0.3564	0.4368		49.0	40.0	22.5	50.0
Chloroform	Ave	0.5173	0.4877		18.9	20.0	-5.7	32.5
Cyclohexane	Ave	0.5230	0.4441		17.0	20.0	-15.1	50.0
1,1,1-Trichloroethane	Ave	0.4072	0.3805		18.7	20.0	-6.6	25.0
Carbon tetrachloride	Ave	0.3513	0.3344		19.0	20.0	-4.8	27.0
1,1-Dichloropropene	Ave	0.4019	0.3847		19.1	20.0	-4.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Lab Sample ID: CCVIS 460-465797/3 Calibration Date: 09/29/2017 08:13

Instrument ID: CVOAMS1 Calib Start Date: 08/07/2017 06:15

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/07/2017 08:54

Lab File ID: A46494.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
Benzene	Ave	1.674	1.554		18.6	20.0	-7.2	36.0
Isopropyl acetate	Ave	0.8807	0.6833		15.5	20.0	-22.4	50.0
1,2-Dichloroethane	Ave	0.3575	0.3242		18.1	20.0	-9.3	32.0
n-Heptane	Ave	0.2612	0.2450		18.8	20.0	-6.2	50.0
n-Butanol	Ave	0.3497	0.3269		467	500	-6.5	50.0
Trichloroethene	Ave	0.3041	0.2993		19.7	20.0	-1.6	33.5
Ethyl acrylate	Ave	0.1835	0.1694		18.5	20.0	-7.7	50.0
Methylcyclohexane	Ave	0.5048	0.5023		19.9	20.0	-0.5	50.0
1,2-Dichloropropane	Ave	0.3116	0.2787		17.9	20.0	-10.6	66.0
Methyl methacrylate	Ave	0.0768	0.0775		40.4	40.0	1.0	50.0
1,4-Dioxane	Ave	1.192	1.221		410	400	2.5	50.0
Propyl acetate	Ave	0.3897	0.3181		16.3	20.0	-18.4	50.0
Dibromomethane	Ave	0.1876	0.1939		20.7	20.0	3.4	50.0
Bromodichloromethane	Ave	0.3776	0.3436		18.2	20.0	-9.0	34.5
2-Chloroethyl vinyl ether	Ave	0.1733	0.1712		19.8	20.0	-1.2	124.0
Epichlorohydrin	Ave	0.2562	0.3027		473	400	18.2	50.0
cis-1,3-Dichloropropene	Ave	0.6598	0.5976		18.1	20.0	-9.4	76.0
MIBK	Ave	2.659	2.513		94.5	100	-5.5	50.0
Toluene	Ave	1.768	1.671		18.9	20.0	-5.5	25.5
trans-1,3-Dichloropropene	Ave	0.5670	0.5137		18.1	20.0	-9.4	50.0
1,1,2-Trichloroethane	Ave	0.3199	0.3059		19.1	20.0	-4.4	29.0
Tetrachloroethene	Ave	0.4233	0.4564		21.6	20.0	7.8	26.5
1,3-Dichloropropane	Ave	0.5892	0.5907		20.1	20.0	0.3	50.0
2-Hexanone	Ave	1.716	1.718		100	100	0.1	50.0
Butyl acetate	Ave	0.1136	0.1104		19.4	20.0	-2.8	50.0
Dibromochloromethane	Ave	0.3955	0.3898		19.7	20.0	-1.4	32.5
1,2-Dibromoethane	Ave	0.3604	0.3789		21.0	20.0	5.2	50.0
Chlorobenzene	Ave	1.114	1.159	0.3000	20.8	20.0	4.1	34.0
Ethylbenzene	Ave	0.6150	0.6037		19.6	20.0	-1.8	41.0
1,1,1,2-Tetrachloroethane	Ave	0.4039	0.3780		18.7	20.0	-6.4	50.0
m-Xylene & p-Xylene	Ave	0.7710	0.7410		19.2	20.0	-3.9	50.0
n-Butyl acrylate	Ave	0.3638	0.2956		16.3	20.0	-18.7	50.0
o-Xylene	Ave	0.7819	0.7420		19.0	20.0	-5.1	50.0
Styrene	Ave	1.351	1.075		15.9	20.0	-20.4	50.0
Amyl acetate	Ave	1.466	1.010		13.8	20.0	-31.1	50.0
Bromoform	Ave	0.2942	0.2802	0.1000	19.0	20.0	-4.8	29.0
Isopropylbenzene	Ave	2.053	1.883		18.4	20.0	-8.2	50.0
Bromobenzene	Ave	0.8845	0.8845		20.0	20.0	0.0	50.0
1,1,2,2-Tetrachloroethane	Ave	0.9517	0.9139	0.3000	19.2	20.0	-4.0	39.5
N-Propylbenzene	Ave	4.198	3.731		17.8	20.0	-11.1	50.0
1,2,3-Trichloropropane	Ave	0.2587	0.2669		20.6	20.0	3.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Lab Sample ID: CCVIS 460-465797/3 Calibration Date: 09/29/2017 08:13

Instrument ID: CVOAMS1 Calib Start Date: 08/07/2017 06:15

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/07/2017 08:54

Lab File ID: A46494.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
2-Chlorotoluene	Ave	2.850	2.517		17.7	20.0	-11.7	50.0
1,3,5-Trimethylbenzene	Ave	2.897	2.586		17.9	20.0	-10.7	50.0
4-Chlorotoluene	Ave	2.489	2.274		18.3	20.0	-8.6	50.0
Butyl Methacrylate	Ave	1.125	0.7394		13.1	20.0	-34.3	50.0
tert-Butylbenzene	Ave	2.354	2.287		19.4	20.0	-2.8	50.0
1,2,4-Trimethylbenzene	Ave	3.025	2.685		17.8	20.0	-11.2	50.0
sec-Butylbenzene	Ave	3.523	3.293		18.7	20.0	-6.5	50.0
p-Isopropyltoluene	Ave	3.092	2.876		18.6	20.0	-7.0	50.0
1,3-Dichlorobenzene	Ave	1.734	1.683		19.4	20.0	-2.9	27.0
1,2,3-Trimethylbenzene	Ave	3.061	2.724		17.8	20.0	-11.0	50.0
1,4-Dichlorobenzene	Ave	1.742	1.734		19.9	20.0	-0.5	37.0
Benzyl chloride	Ave	1.939	1.531		15.8	20.0	-21.0	50.0
n-Butylbenzene	Ave	1.577	1.431		18.1	20.0	-9.3	50.0
1,2-Dichlorobenzene	Ave	1.647	1.576		19.1	20.0	-4.3	37.0
1,2-Dibromo-3-Chloropropane	Ave	0.1750	0.1297		14.8	20.0	-25.9	50.0
1,2,4-Trichlorobenzene	Ave	1.141	0.9113		16.0	20.0	-20.1	50.0
Hexachlorobutadiene	Ave	0.5277	0.4575		17.3	20.0	-13.3	50.0
Naphthalene	Ave	2.683	2.172		16.2	20.0	-19.0	50.0
1,2,3-Trichlorobenzene	Ave	0.9171	0.6929		15.1	20.0	-24.4	50.0
Dibromofluoromethane (Surr)	Ave	0.2651	0.2688		50.7	50.0	1.4	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2902	0.2580		44.4	50.0	-11.1	
Toluene-d8 (Surr)	Ave	1.368	1.338		48.9	50.0	-2.2	
Bromofluorobenzene	Ave	0.4831	0.4884		50.5	50.0	1.1	

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46494.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 29-Sep-2017 08:13:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0061064-003
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 29-Sep-2017 09:34:34 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK031

First Level Reviewer: moroneyc Date: 29-Sep-2017 08:32:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.561	1.561	0.000	86	7168	NC	NC	
3 Dichlorodifluoromethane	85	1.598	1.598	0.000	98	49924	20.0	18.7	
4 Chloromethane	50	1.750	1.750	0.000	98	42058	20.0	15.5	
6 Butadiene	54	1.860	1.860	0.000	81	52912	20.0	20.6	
5 Vinyl chloride	62	1.860	1.860	0.000	98	49938	20.0	18.5	
7 Bromomethane	94	2.159	2.159	0.000	99	39107	20.0	23.6	
8 Chloroethane	64	2.238	2.238	0.000	98	31166	20.0	21.1	
10 Dichlorofluoromethane	67	2.451	2.451	0.000	98	71877	NC	NC	
9 Trichlorofluoromethane	101	2.451	2.451	0.000	61	68123	20.0	23.6	
11 Pentane	72	2.457	2.457	0.000	96	17589	40.0	43.5	
12 Ethanol	46	2.671	2.671	0.000	72	6687	800.0	609.6	
13 Ethyl ether	59	2.677	2.677	0.000	93	34977	20.0	17.2	
14 2-Methyl-1,3-butadiene	53	2.695	2.695	0.000	93	34361	20.0	16.9	
15 1,2-Dichloro-1,1,2-trifluo	117	2.756	2.756	0.000	83	42267	NC	NC	
16 Acrolein	56	2.866	2.866	0.000	59	6163	40.0	37.2	
17 1,1,2-Trichloro-1,2,2-trif	101	2.884	2.884	0.000	98	47174	20.0	22.6	
18 1,1-Dichloroethene	96	2.896	2.896	0.000	95	47286	20.0	21.5	
19 Acetone	58	2.994	2.994	0.000	90	21677	100.0	103.5	
20 Iodomethane	142	3.055	3.055	0.000	97	88873	20.0	21.3	
21 Carbon disulfide	76	3.085	3.085	0.000	98	152671	20.0	17.8	
22 Isopropyl alcohol	45	3.097	3.097	0.000	54	23375	200.0	179.8	
23 3-Chloro-1-propene	76	3.225	3.225	0.000	90	29586	20.0	17.4	
24 Methyl acetate	43	3.238	3.238	0.000	96	146582	100.0	79.6	
25 Cyclopentene	67	3.238	3.238	0.000	82	120597	NC	NC	
26 Acetonitrile	41	3.305	3.305	0.000	97	44001	200.0	147.9	
27 Methylene Chloride	84	3.353	3.353	0.000	83	54478	20.0	19.3	
* 28 TBA-d9 (IS)	65	3.366	3.366	0.000	90	179996	1000.0	1000.0	
29 2-Methyl-2-propanol	59	3.427	3.427	0.000	91	44887	200.0	184.0	
30 Methyl tert-butyl ether	73	3.512	3.512	0.000	96	125567	20.0	17.9	
31 trans-1,2-Dichloroethene	96	3.530	3.530	0.000	91	55176	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
32 Acrylonitrile	53	3.603	3.603	0.000	94	183501	200.0	181.4	
33 Hexane	43	3.677	3.677	0.000	87	35027	20.0	15.6	
34 Isopropyl ether	45	3.878	3.878	0.000	94	126498	20.0	14.8	
35 1,1-Dichloroethane	63	3.902	3.902	0.000	99	86442	20.0	18.0	
36 Vinyl acetate	86	3.914	3.914	0.000	99	21301	40.0	38.2	
37 2-Chloro-1,3-butadiene	88	3.939	3.939	0.000	87	47944	NC	NC	
38 Tert-butyl ethyl ether	59	4.158	4.158	0.000	90	132880	NC	NC	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	92	197711	250.0	250.0	
40 2,2-Dichloropropane	97	4.347	4.347	0.000	62	17419	20.0	17.3	
41 cis-1,2-Dichloroethene	96	4.353	4.353	0.000	99	62527	20.0	19.7	
42 Ethyl acetate	70	4.372	4.372	0.000	93	10351	40.0	48.2	
43 2-Butanone (MEK)	72	4.372	4.372	0.000	97	30057	100.0	121.6	
44 Methyl acrylate	55	4.414	4.414	0.000	67	40914	NC	NC	
45 Propionitrile	54	4.481	4.481	0.000	99	69581	NC	NC	
46 Chlorobromomethane	128	4.542	4.542	0.000	84	31858	20.0	21.8	
47 Tetrahydrofuran	72	4.542	4.542	0.000	63	13817	40.0	49.0	
48 Methacrylonitrile	67	4.567	4.567	0.000	87	212271	NC	NC	
49 Chloroform	83	4.585	4.585	0.000	98	86682	20.0	18.9	
50 Cyclohexane	56	4.689	4.689	0.000	86	78936	20.0	17.0	
51 1,1,1-Trichloroethane	97	4.707	4.707	0.000	97	67627	20.0	18.7	
$ 52 Dibromofluoromethane (Surr	113	4.713	4.713	0.000	98	119431	50.0	50.7	
54 Carbon tetrachloride	117	4.798	4.798	0.000	97	59433	20.0	19.0	
55 1,1-Dichloropropene	75	4.817	4.817	0.000	97	68372	20.0	19.1	
56 Isobutyl alcohol	43	4.920	4.920	0.000	92	60968	NC	NC	
57 Isooctane	57	4.945	4.945	0.000	98	155565	NC	NC	
58 Benzene	78	4.975	4.975	0.000	95	203239	20.0	18.6	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	95	114636	50.0	44.4	
60 Isopropyl acetate	43	5.012	5.012	0.000	96	121454	20.0	15.5	
61 Tert-amyl methyl ether	73	5.024	5.024	0.000	91	165999	NC	NC	
62 1,2-Dichloroethane	62	5.048	5.048	0.000	96	57619	20.0	18.1	
63 n-Heptane	71	5.085	5.085	0.000	87	43554	20.0	18.8	
* 64 Fluorobenzene	96	5.195	5.195	0.000	99	444356	50.0	50.0	
65 n-Butanol	56	5.408	5.408	0.000	82	29418	500.0	467.4	
66 Trichloroethene	95	5.457	5.457	0.000	95	53202	20.0	19.7	
67 Ethyl acrylate	56	5.554	5.554	0.000	98	30109	20.0	18.5	
68 Methylcyclohexane	83	5.554	5.554	0.000	91	89276	20.0	19.9	
69 1,2-Dichloropropane	63	5.682	5.682	0.000	94	49543	20.0	17.9	
* 71 1,4-Dioxane-d8	96	5.719	5.719	0.000	37	27013	1000.0	1000.0	
70 Methyl methacrylate	100	5.725	5.725	0.000	80	27557	40.0	40.4	
73 1,4-Dioxane	88	5.762	5.762	0.000	32	13194	400.0	409.9	
72 n-Propyl acetate	43	5.768	5.768	0.000	95	56543	20.0	16.3	
74 Dibromomethane	93	5.786	5.786	0.000	95	34465	20.0	20.7	
75 Dichlorobromomethane	83	5.896	5.896	0.000	98	61063	20.0	18.2	
76 2-Chloroethyl vinyl ether	63	6.164	6.164	0.000	92	30427	20.0	19.8	
77 2-Nitropropane	41	6.176	6.176	0.000	83	15695	NC	NC	
78 Epichlorohydrin	57	6.268	6.268	0.000	98	95740	400.0	472.6	
79 cis-1,3-Dichloropropene	75	6.310	6.310	0.000	87	78146	20.0	18.1	
80 4-Methyl-2-pentanone (MIBK	43	6.450	6.450	0.000	93	198764	100.0	94.5	
$ 81 Toluene-d8 (Surr)	98	6.530	6.530	0.000	99	437501	50.0	48.9	
82 Toluene	91	6.591	6.591	0.000	92	218552	20.0	18.9	
83 trans-1,3-Dichloropropene	75	6.841	6.841	0.000	98	67164	20.0	18.1	
84 Ethyl methacrylate	69	6.847	6.847	0.000	83	55211	NC	NC	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 1,1,2-Trichloroethane	83	6.987	6.987	0.000	96	39995	20.0	19.1	
86 Tetrachloroethene	166	7.023	7.023	0.000	95	59683	20.0	21.6	
87 1,3-Dichloropropane	76	7.133	7.133	0.000	88	77243	20.0	20.1	
88 2-Hexanone	43	7.158	7.158	0.000	92	135868	100.0	100.1	
89 n-Butyl acetate	73	7.225	7.225	0.000	96	14437	20.0	19.4	
90 Chlorodibromomethane	129	7.280	7.280	0.000	98	50972	20.0	19.7	
91 Ethylene Dibromide	107	7.377	7.377	0.000	98	49549	20.0	21.0	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	83	326898	50.0	50.0	
93 Chlorobenzene	112	7.700	7.700	0.000	98	151575	20.0	20.8	
94 Ethylbenzene	106	7.749	7.749	0.000	97	78939	20.0	19.6	
95 1,1,1,2-Tetrachloroethane	131	7.761	7.761	0.000	97	49427	20.0	18.7	
96 m-Xylene & p-Xylene	106	7.828	7.828	0.000	98	96890	20.0	19.2	
97 n-Butyl acrylate	73	8.054	8.054	0.000	98	38652	20.0	16.3	
98 o-Xylene	106	8.090	8.090	0.000	95	97021	20.0	19.0	
99 Styrene	104	8.109	8.109	0.000	97	140617	20.0	15.9	
100 Amyl acetate (mixed isomer	43	8.194	8.194	0.000	93	81093	20.0	13.8	
101 Bromoform	173	8.243	8.243	0.000	98	36633	20.0	19.0	
102 Isopropylbenzene	105	8.304	8.304	0.000	95	246273	20.0	18.4	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	96	159666	50.0	50.5	
104 Bromobenzene	156	8.523	8.523	0.000	93	71022	20.0	20.0	
105 1,1,2,2-Tetrachloroethane	83	8.529	8.529	0.000	98	73384	20.0	19.2	
106 N-Propylbenzene	91	8.548	8.548	0.000	99	299617	20.0	17.8	
107 1,2,3-Trichloropropane	110	8.566	8.566	0.000	94	21433	20.0	20.6	
108 trans-1,4-Dichloro-2-buten	53	8.566	8.566	0.000	64	5134	NC	NC	
109 4-Ethyltoluene	105	8.615	8.615	0.000	98	257235	NC	NC	
110 2-Chlorotoluene	91	8.621	8.621	0.000	96	202104	20.0	17.7	
111 1,3,5-Trimethylbenzene	105	8.651	8.651	0.000	93	207649	20.0	17.9	
113 4-Chlorotoluene	91	8.688	8.688	0.000	97	182588	20.0	18.3	
112 Butyl Methacrylate	87	8.694	8.694	0.000	81	59370	20.0	13.1	
114 tert-Butylbenzene	119	8.834	8.834	0.000	96	183632	20.0	19.4	
115 1,2,4-Trimethylbenzene	105	8.865	8.865	0.000	96	215624	20.0	17.8	
116 sec-Butylbenzene	105	8.956	8.956	0.000	99	264426	20.0	18.7	
117 4-Isopropyltoluene	119	9.029	9.029	0.000	98	230906	20.0	18.6	
118 1,3-Dichlorobenzene	146	9.047	9.047	0.000	98	135160	20.0	19.4	
* 119 1,4-Dichlorobenzene-d4	152	9.084	9.084	0.000	95	200743	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.102	9.102	0.000	96	139269	20.0	19.9	
136 1,2,3-Trimethylbenzene	105	9.102	9.102	0.000	0	218692	20.0	17.8	
121 Benzyl chloride	91	9.182	9.182	0.000	99	122899	20.0	15.8	
122 2,3-Dihydroindene	117	9.224	9.224	0.000	94	246108	NC	NC	
123 p-Diethylbenzene	119	9.243	9.243	0.000	93	139346	NC	NC	
124 n-Butylbenzene	92	9.261	9.261	0.000	97	114923	20.0	18.1	
125 1,2-Dichlorobenzene	146	9.322	9.322	0.000	98	126572	20.0	19.1	
126 1,2,4,5-Tetramethylbenzene	119	9.718	9.718	0.000	98	196003	NC	NC	
127 1,2-Dibromo-3-Chloropropan	75	9.810	9.810	0.000	93	10412	20.0	14.8	
128 1,3,5-Trichlorobenzene	180	9.907	9.907	0.000	98	85610	NC	NC	
129 1,2,4-Trichlorobenzene	180	10.370	10.370	0.000	93	73178	20.0	16.0	
130 Hexachlorobutadiene	225	10.444	10.444	0.000	98	36733	20.0	17.3	
131 Naphthalene	128	10.584	10.584	0.000	99	174420	20.0	16.2	
132 1,2,3-Trichlorobenzene	180	10.785	10.785	0.000	96	55637	20.0	15.1	
S 133 1,2-Dichloroethene, Total	100				0		40.0	39.6	
S 134 Xylenes, Total	100				0		40.0	38.2	
S 135 Total BTEX	1				0		100.0	95.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

GASES Li_00227	Amount Added:	20.00	Units: uL	
ACROLEIN W_00068	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00062	Amount Added:	20.00	Units: uL	
8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00159	Amount Added:	1.00	Units: uL	Run Reagent

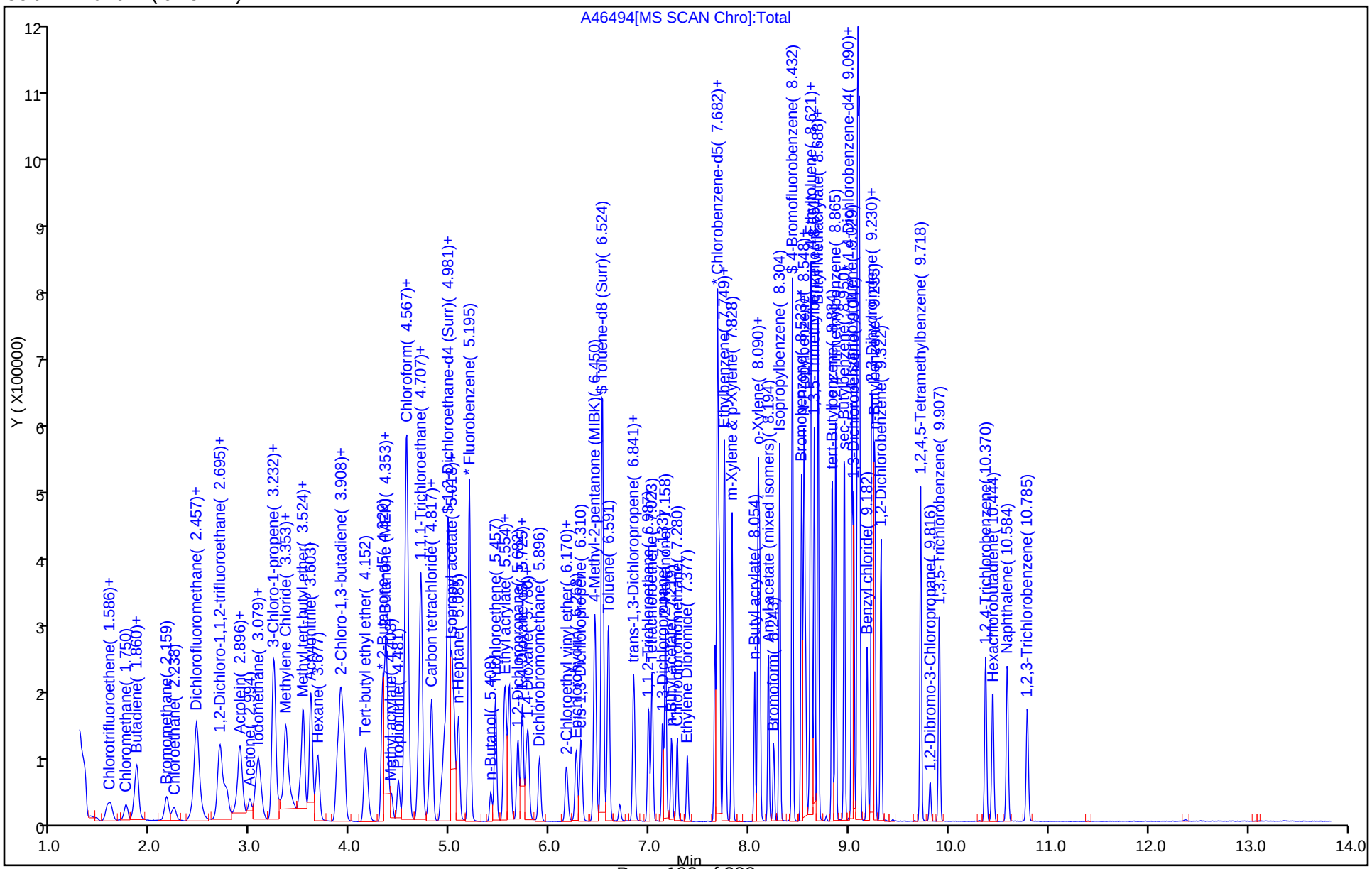
Report Date: 29-Sep-2017 09:34:34 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46494.D

Injection Date:	29-Sep-2017 08:13:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Lab Sample ID: CCVIS 460-466054/3 Calibration Date: 09/30/2017 08:08

Instrument ID: CVOAMS1 Calib Start Date: 08/07/2017 06:15

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/07/2017 08:54

Lab File ID: A46554.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3011	0.2894		19.2	20.0	-3.9	50.0
Chloromethane	Ave	0.3054	0.2722	0.1000	17.8	20.0	-10.9	104.0
Butadiene	Ave	0.2892	0.3099		21.4	20.0	7.2	50.0
Vinyl chloride	Ave	0.3037	0.3051		20.1	20.0	0.5	96.0
Bromomethane	Ave	0.1868	0.2500		26.8	20.0	33.8	86.0
Chloroethane	Ave	0.1662	0.1969		23.7	20.0	18.5	62.0
Trichlorofluoromethane	Ave	0.3247	0.4219		26.0	20.0	29.9	52.0
n-Pentane	Ave	0.0455	0.0478		42.0	40.0	5.1	50.0
Ethanol	Ave	0.0609	0.0483		634	800	-20.7	50.0
Ethyl ether	Ave	0.2293	0.2182		19.0	20.0	-4.8	50.0
Isoprene	Ave	0.2290	0.2015		17.6	20.0	-12.0	50.0
Acrolein	Ave	0.9213	1.411		61.3	40.0	53.2	99.0
Freon TF	Ave	0.2348	0.2572		21.9	20.0	9.5	50.0
1,1-Dichloroethene	Ave	0.2473	0.2723		22.0	20.0	10.1	49.5
Acetone	Ave	0.2649	0.2939		111	100	11.0	50.0
Iodomethane	Ave	0.4697	0.5239		22.3	20.0	11.5	50.0
Carbon disulfide	Ave	0.9634	0.8843		18.4	20.0	-8.2	50.0
Isopropanol	Ave	0.7223	0.6878		190	200	-4.8	50.0
Allyl chloride	Ave	0.1913	0.1836		19.2	20.0	-4.0	50.0
Methyl acetate	Ave	0.2073	0.1748		84.3	100	-15.7	50.0
Acetonitrile	Ave	1.653	1.807		219	200	9.3	50.0
Methylene Chloride	Ave	0.3171	0.3344		21.1	20.0	5.5	39.5
TBA	Ave	1.355	1.405		207	200	3.7	50.0
MTBE	Ave	0.7915	0.7662		19.4	20.0	-3.2	50.0
trans-1,2-Dichloroethene	Ave	0.3114	0.3333		21.4	20.0	7.1	30.5
Acrylonitrile	Lin2		0.1053		185	200	-7.5	50.0
Hexane	Ave	0.2527	0.2023		16.0	20.0	-19.9	50.0
DIPE	Ave	0.9641	0.7838		16.3	20.0	-18.7	50.0
1,1-Dichloroethane	Ave	0.5404	0.5337	0.1000	19.8	20.0	-1.2	27.5
Vinyl acetate	Ave	0.0627	0.0630		40.2	40.0	0.6	50.0
2,2-Dichloropropane	Ave	0.1133	0.1030		18.2	20.0	-9.0	50.0
cis-1,2-Dichloroethene	Ave	0.3574	0.3875		21.7	20.0	8.4	50.0
Ethyl acetate	Lin2		0.3784		56.0	40.0	40.1	50.0
2-Butanone	Ave	0.3125	0.4193		134	100	34.2	50.0
Bromochloromethane	Ave	0.1642	0.1962		23.9	20.0	19.5	50.0
Tetrahydrofuran	Ave	0.3564	0.4802		53.9	40.0	34.7	50.0
Chloroform	Ave	0.5173	0.5413		20.9	20.0	4.6	32.5
Cyclohexane	Ave	0.5230	0.4290		16.4	20.0	-18.0	50.0
1,1,1-Trichloroethane	Ave	0.4072	0.4019		19.7	20.0	-1.3	25.0
Carbon tetrachloride	Ave	0.3513	0.3483		19.8	20.0	-0.8	27.0
1,1-Dichloropropene	Ave	0.4019	0.4110		20.4	20.0	2.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Lab Sample ID: CCVIS 460-466054/3 Calibration Date: 09/30/2017 08:08

Instrument ID: CVOAMS1 Calib Start Date: 08/07/2017 06:15

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/07/2017 08:54

Lab File ID: A46554.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
Benzene	Ave	1.674	1.676		20.0	20.0	0.0	36.0
Isopropyl acetate	Ave	0.8807	0.7216		16.4	20.0	-18.1	50.0
1,2-Dichloroethane	Ave	0.3575	0.3532		19.8	20.0	-1.2	32.0
n-Heptane	Ave	0.2612	0.2588		19.8	20.0	-0.9	50.0
n-Butanol	Ave	0.3497	0.3674		525	500	5.1	50.0
Trichloroethene	Ave	0.3041	0.3295		21.7	20.0	8.4	33.5
Ethyl acrylate	Ave	0.1835	0.1735		18.9	20.0	-5.5	50.0
Methylcyclohexane	Ave	0.5048	0.4988		19.8	20.0	-1.2	50.0
1,2-Dichloropropane	Ave	0.3116	0.3078		19.8	20.0	-1.2	66.0
Methyl methacrylate	Ave	0.0768	0.0859		44.8	40.0	11.9	50.0
1,4-Dioxane	Ave	1.192	1.286		432	400	7.9	50.0
Propyl acetate	Ave	0.3897	0.3252		16.7	20.0	-16.6	50.0
Dibromomethane	Ave	0.1876	0.2137		22.8	20.0	13.9	50.0
Bromodichloromethane	Ave	0.3776	0.3837		20.3	20.0	1.6	34.5
2-Chloroethyl vinyl ether	Ave	0.1733	0.1865		21.5	20.0	7.6	124.0
Epichlorohydrin	Ave	0.2562	0.3256		508	400	27.1	50.0
cis-1,3-Dichloropropene	Ave	0.6598	0.6877		20.8	20.0	4.2	76.0
MIBK	Ave	2.659	2.822		106	100	6.1	50.0
Toluene	Ave	1.768	1.809		20.5	20.0	2.3	25.5
trans-1,3-Dichloropropene	Ave	0.5670	0.5860		20.7	20.0	3.3	50.0
1,1,2-Trichloroethane	Ave	0.3199	0.3384		21.2	20.0	5.8	29.0
Tetrachloroethene	Ave	0.4233	0.4747		22.4	20.0	12.2	26.5
1,3-Dichloropropane	Ave	0.5892	0.6598		22.4	20.0	12.0	50.0
2-Hexanone	Ave	1.716	1.976		115	100	15.1	50.0
Butyl acetate	Ave	0.1136	0.1154		20.3	20.0	1.6	50.0
Dibromochloromethane	Ave	0.3955	0.4302		21.8	20.0	8.8	32.5
1,2-Dibromoethane	Ave	0.3604	0.4195		23.3	20.0	16.4	50.0
Chlorobenzene	Ave	1.114	1.274	0.3000	22.9	20.0	14.4	34.0
Ethylbenzene	Ave	0.6150	0.6497		21.1	20.0	5.6	41.0
1,1,1,2-Tetrachloroethane	Ave	0.4039	0.4196		20.8	20.0	3.9	50.0
m-Xylene & p-Xylene	Ave	0.7710	0.8162		21.2	20.0	5.9	50.0
n-Butyl acrylate	Ave	0.3638	0.3311		18.2	20.0	-9.0	50.0
o-Xylene	Ave	0.7819	0.8037		20.6	20.0	2.8	50.0
Styrene	Ave	1.351	1.384		20.5	20.0	2.4	50.0
Amyl acetate	Ave	1.466	1.119		15.3	20.0	-23.7	50.0
Bromoform	Ave	0.2942	0.3053	0.1000	20.8	20.0	3.8	29.0
Isopropylbenzene	Ave	2.053	1.997		19.5	20.0	-2.7	50.0
Bromobenzene	Ave	0.8845	1.012		22.9	20.0	14.4	50.0
1,1,2,2-Tetrachloroethane	Ave	0.9517	0.9452	0.3000	19.9	20.0	-0.7	39.5
N-Propylbenzene	Ave	4.198	4.057		19.3	20.0	-3.4	50.0
1,2,3-Trichloropropane	Ave	0.2587	0.2827		21.9	20.0	9.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Lab Sample ID: CCVIS 460-466054/3 Calibration Date: 09/30/2017 08:08

Instrument ID: CVOAMS1 Calib Start Date: 08/07/2017 06:15

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/07/2017 08:54

Lab File ID: A46554.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
2-Chlorotoluene	Ave	2.850	2.819		19.8	20.0	-1.1	50.0
1,3,5-Trimethylbenzene	Ave	2.897	2.875		19.8	20.0	-0.8	50.0
4-Chlorotoluene	Ave	2.489	2.590		20.8	20.0	4.1	50.0
Butyl Methacrylate	Ave	1.125	0.9858		17.5	20.0	-12.4	50.0
tert-Butylbenzene	Ave	2.354	2.481		21.1	20.0	5.4	50.0
1,2,4-Trimethylbenzene	Ave	3.025	2.949		19.5	20.0	-2.5	50.0
sec-Butylbenzene	Ave	3.523	3.590		20.4	20.0	1.9	50.0
p-Isopropyltoluene	Ave	3.092	3.141		20.3	20.0	1.6	50.0
1,3-Dichlorobenzene	Ave	1.734	1.890		21.8	20.0	9.0	27.0
1,4-Dichlorobenzene	Ave	1.742	1.930		22.2	20.0	10.8	37.0
1,2,3-Trimethylbenzene	Ave	3.061	2.994		19.6	20.0	-2.2	50.0
Benzyl chloride	Ave	1.939	1.629		16.8	20.0	-15.9	50.0
n-Butylbenzene	Ave	1.577	1.552		19.7	20.0	-1.6	50.0
1,2-Dichlorobenzene	Ave	1.647	1.707		20.7	20.0	3.7	37.0
1,2-Dibromo-3-Chloropropane	Ave	0.1750	0.1157		13.2	20.0	-33.9	50.0
1,2,4-Trichlorobenzene	Ave	1.141	0.7539		13.2	20.0	-33.9	50.0
Hexachlorobutadiene	Ave	0.5277	0.4171		15.8	20.0	-21.0	50.0
Naphthalene	Ave	2.683	1.701		12.7	20.0	-36.6	50.0
1,2,3-Trichlorobenzene	Ave	0.9171	0.4972		10.8	20.0	-45.8	50.0
Dibromofluoromethane (Surr)	Ave	0.2651	0.2848		53.7	50.0	7.4	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2902	0.2772		47.7	50.0	-4.5	
Toluene-d8 (Surr)	Ave	1.368	1.435		52.4	50.0	4.8	
Bromofluorobenzene	Ave	0.4831	0.5160		53.4	50.0	6.8	

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46554.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 30-Sep-2017 08:08:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0061122-003
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 30-Sep-2017 13:10:13 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: delpolitov Date: 30-Sep-2017 13:10:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.567	1.567	0.000	86	7142	NC	NC	
3 Dichlorodifluoromethane	85	1.604	1.604	0.000	99	56899	20.0	19.2	
4 Chloromethane	50	1.762	1.762	0.000	99	53515	20.0	17.8	
6 Butadiene	54	1.866	1.866	0.000	80	60933	20.0	21.4	
5 Vinyl chloride	62	1.866	1.866	0.000	97	59984	20.0	20.1	
7 Bromomethane	94	2.165	2.165	0.000	100	49157	20.0	26.8	
8 Chloroethane	64	2.244	2.244	0.000	98	38717	20.0	23.7	
10 Dichlorofluoromethane	67	2.457	2.457	0.000	99	86708	NC	NC	
9 Trichlorofluoromethane	101	2.457	2.457	0.000	58	82957	20.0	26.0	
11 Pentane	72	2.463	2.463	0.000	95	18800	40.0	42.0	
12 Ethanol	46	2.664	2.664	0.000	75	5868	800.0	634.0	
13 Ethyl ether	59	2.683	2.683	0.000	92	42904	20.0	19.0	
14 2-Methyl-1,3-butadiene	53	2.707	2.707	0.000	92	39624	20.0	17.6	
15 1,2-Dichloro-1,1,2-trifluo	117	2.750	2.750	0.000	87	46951	NC	NC	
16 Acrolein	56	2.866	2.866	0.000	91	8574	40.0	61.3	
17 1,1,2-Trichloro-1,2,2-trif	101	2.896	2.896	0.000	96	50572	20.0	21.9	
18 1,1-Dichloroethene	96	2.902	2.902	0.000	96	53531	20.0	22.0	
19 Acetone	58	3.000	3.000	0.000	90	23219	100.0	111.0	
20 Iodomethane	142	3.061	3.061	0.000	97	103010	20.0	22.3	
21 Carbon disulfide	76	3.091	3.091	0.000	98	173878	20.0	18.4	
22 Isopropyl alcohol	45	3.091	3.091	0.000	54	20891	200.0	190.4	
23 3-Chloro-1-propene	76	3.225	3.225	0.000	91	36097	20.0	19.2	
24 Methyl acetate	43	3.244	3.244	0.000	96	171843	100.0	84.3	
25 Cyclopentene	67	3.244	3.244	0.000	81	134376	NC	NC	
26 Acetonitrile	41	3.305	3.305	0.000	96	54890	200.0	218.6	
27 Methylene Chloride	84	3.353	3.353	0.000	84	65757	20.0	21.1	
* 28 TBA-d9 (IS)	65	3.366	3.366	0.000	89	151873	1000.0	1000.0	
29 2-Methyl-2-propanol	59	3.433	3.433	0.000	91	42676	200.0	207.4	
30 Methyl tert-butyl ether	73	3.518	3.518	0.000	97	150652	20.0	19.4	
31 trans-1,2-Dichloroethene	96	3.536	3.536	0.000	91	65540	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
32 Acrylonitrile	53	3.609	3.609	0.000	95	207043	200.0	185.0	
33 Hexane	43	3.676	3.676	0.000	87	39783	20.0	16.0	
34 Isopropyl ether	45	3.878	3.878	0.000	94	154117	20.0	16.3	
35 1,1-Dichloroethane	63	3.902	3.902	0.000	99	104928	20.0	19.8	
36 Vinyl acetate	86	3.920	3.920	0.000	99	24785	40.0	40.2	
37 2-Chloro-1,3-butadiene	88	3.945	3.945	0.000	86	59185	NC	NC	
38 Tert-butyl ethyl ether	59	4.158	4.158	0.000	90	159003	NC	NC	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	92	197485	250.0	250.0	
40 2,2-Dichloropropane	97	4.353	4.353	0.000	58	20257	20.0	18.2	
41 cis-1,2-Dichloroethene	96	4.359	4.359	0.000	98	76184	20.0	21.7	
42 Ethyl acetate	70	4.371	4.371	0.000	93	11957	40.0	56.0	
43 2-Butanone (MEK)	72	4.378	4.378	0.000	97	33122	100.0	134.2	
45 Propionitrile	54	4.487	4.487	0.000	99	74553	NC	NC	
47 Tetrahydrofuran	72	4.542	4.542	0.000	58	15173	40.0	53.9	
46 Chlorobromomethane	128	4.542	4.542	0.000	80	38584	20.0	23.9	
48 Methacrylonitrile	67	4.567	4.567	0.000	87	255677	NC	NC	
49 Chloroform	83	4.585	4.585	0.000	98	106434	20.0	20.9	
44 Methyl acrylate	55	4.420	4.420	0.000	82	47795	NC	NC	
50 Cyclohexane	56	4.695	4.695	0.000	85	84346	20.0	16.4	
51 1,1,1-Trichloroethane	97	4.707	4.707	0.000	97	79029	20.0	19.7	
$ 52 Dibromofluoromethane (Surr	113	4.713	4.713	0.000	98	140002	50.0	53.7	
54 Carbon tetrachloride	117	4.798	4.798	0.000	97	68480	20.0	19.8	
55 1,1-Dichloropropene	75	4.823	4.823	0.000	97	80802	20.0	20.4	
56 Isobutyl alcohol	43	4.920	4.920	0.000	96	64157	NC	NC	
57 Isooctane	57	4.951	4.951	0.000	99	167340	NC	NC	
58 Benzene	78	4.981	4.981	0.000	95	244508	20.0	20.0	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.993	4.993	0.000	95	136231	50.0	47.7	
60 Isopropyl acetate	43	5.018	5.018	0.000	96	141873	20.0	16.4	
61 Tert-amyl methyl ether	73	5.024	5.024	0.000	91	190075	NC	NC	
62 1,2-Dichloroethane	62	5.048	5.048	0.000	96	69438	20.0	19.8	
63 n-Heptane	71	5.085	5.085	0.000	86	50876	20.0	19.8	
* 64 Fluorobenzene	96	5.194	5.194	0.000	99	491551	50.0	50.0	
65 n-Butanol	56	5.414	5.414	0.000	82	27899	500.0	525.3	
66 Trichloroethene	95	5.457	5.457	0.000	95	64786	20.0	21.7	
67 Ethyl acrylate	56	5.548	5.548	0.000	98	34110	20.0	18.9	
68 Methylcyclohexane	83	5.554	5.554	0.000	90	98073	20.0	19.8	
69 1,2-Dichloropropane	63	5.682	5.682	0.000	93	60512	20.0	19.8	
* 71 1,4-Dioxane-d8	96	5.719	5.719	0.000	38	21547	1000.0	1000.0	
70 Methyl methacrylate	100	5.731	5.731	0.000	80	33783	40.0	44.8	
73 1,4-Dioxane	88	5.768	5.768	0.000	27	11082	400.0	431.6	
72 n-Propyl acetate	43	5.768	5.768	0.000	95	63931	20.0	16.7	
74 Dibromomethane	93	5.786	5.786	0.000	94	42015	20.0	22.8	
75 Dichlorobromomethane	83	5.902	5.902	0.000	99	75452	20.0	20.3	
76 2-Chloroethyl vinyl ether	63	6.164	6.164	0.000	90	36660	20.0	21.5	
77 2-Nitropropane	41	6.176	6.176	0.000	81	18747	NC	NC	
78 Epichlorohydrin	57	6.267	6.267	0.000	98	102868	400.0	508.4	
79 cis-1,3-Dichloropropene	75	6.316	6.316	0.000	87	100333	20.0	20.8	
80 4-Methyl-2-pentanone (MIBK	43	6.450	6.450	0.000	93	222911	100.0	106.1	
$ 81 Toluene-d8 (Surr)	98	6.530	6.530	0.000	99	523266	50.0	52.4	
82 Toluene	91	6.591	6.591	0.000	93	263956	20.0	20.5	
83 trans-1,3-Dichloropropene	75	6.840	6.840	0.000	98	85486	20.0	20.7	
84 Ethyl methacrylate	69	6.847	6.847	0.000	84	71006	NC	NC	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 1,1,2-Trichloroethane	83	6.993	6.993	0.000	97	49366	20.0	21.2	
86 Tetrachloroethene	166	7.029	7.029	0.000	95	69260	20.0	22.4	
87 1,3-Dichloropropane	76	7.133	7.133	0.000	87	96261	20.0	22.4	
88 2-Hexanone	43	7.157	7.157	0.000	92	156060	100.0	115.1	
89 n-Butyl acetate	73	7.218	7.218	0.000	96	16835	20.0	20.3	
90 Chlorodibromomethane	129	7.279	7.279	0.000	97	62769	20.0	21.8	
91 Ethylene Dibromide	107	7.377	7.377	0.000	98	61204	20.0	23.3	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	83	364732	50.0	50.0	
93 Chlorobenzene	112	7.700	7.700	0.000	97	185815	20.0	22.9	
94 Ethylbenzene	106	7.749	7.749	0.000	97	94790	20.0	21.1	
95 1,1,1,2-Tetrachloroethane	131	7.761	7.761	0.000	96	61215	20.0	20.8	
96 m-Xylene & p-Xylene	106	7.828	7.828	0.000	98	119074	20.0	21.2	
97 n-Butyl acrylate	73	8.054	8.054	0.000	99	48301	20.0	18.2	
98 o-Xylene	106	8.090	8.090	0.000	94	117260	20.0	20.6	
99 Styrene	104	8.109	8.109	0.000	97	201958	20.0	20.5	
100 Amyl acetate (mixed isomer	43	8.194	8.194	0.000	92	96171	20.0	15.3	
101 Bromoform	173	8.249	8.249	0.000	99	44538	20.0	20.8	
102 Isopropylbenzene	105	8.304	8.304	0.000	95	291301	20.0	19.5	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	95	188183	50.0	53.4	
104 Bromobenzene	156	8.523	8.523	0.000	93	87023	20.0	22.9	
105 1,1,2,2-Tetrachloroethane	83	8.529	8.529	0.000	98	81262	20.0	19.9	
106 N-Propylbenzene	91	8.547	8.547	0.000	99	348791	20.0	19.3	
107 1,2,3-Trichloropropane	110	8.566	8.566	0.000	97	24307	20.0	21.9	
108 trans-1,4-Dichloro-2-buten	53	8.572	8.572	0.000	69	7895	NC	NC	
109 4-Ethyltoluene	105	8.615	8.615	0.000	98	298358	NC	NC	
110 2-Chlorotoluene	91	8.627	8.627	0.000	97	242372	20.0	19.8	
111 1,3,5-Trimethylbenzene	105	8.651	8.651	0.000	94	247202	20.0	19.8	
113 4-Chlorotoluene	91	8.694	8.694	0.000	96	222689	20.0	20.8	
112 Butyl Methacrylate	87	8.694	8.694	0.000	83	84758	20.0	17.5	
114 tert-Butylbenzene	119	8.834	8.834	0.000	96	213307	20.0	21.1	
115 1,2,4-Trimethylbenzene	105	8.871	8.871	0.000	96	253524	20.0	19.5	
116 sec-Butylbenzene	105	8.956	8.956	0.000	99	308612	20.0	20.4	
117 4-Isopropyltoluene	119	9.035	9.035	0.000	98	270063	20.0	20.3	
118 1,3-Dichlorobenzene	146	9.053	9.053	0.000	98	162525	20.0	21.8	
* 119 1,4-Dichlorobenzene-d4	152	9.090	9.090	0.000	92	214938	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.102	9.102	0.000	96	165909	20.0	22.2	
136 1,2,3-Trimethylbenzene	105	9.108	9.108	0.000	0	257440	20.0	19.6	
121 Benzyl chloride	91	9.188	9.188	0.000	99	140087	20.0	16.8	
122 2,3-Dihydroindene	117	9.230	9.230	0.000	92	288360	NC	NC	
123 p-Diethylbenzene	119	9.249	9.249	0.000	95	162622	NC	NC	
124 n-Butylbenzene	92	9.261	9.261	0.000	97	133464	20.0	19.7	
125 1,2-Dichlorobenzene	146	9.328	9.328	0.000	98	146775	20.0	20.7	
126 1,2,4,5-Tetramethylbenzene	119	9.724	9.724	0.000	98	213832	NC	NC	
127 1,2-Dibromo-3-Chloropropan	75	9.816	9.816	0.000	91	9948	20.0	13.2	
128 1,3,5-Trichlorobenzene	180	9.913	9.913	0.000	97	86452	NC	NC	
129 1,2,4-Trichlorobenzene	180	10.376	10.376	0.000	93	64820	20.0	13.2	
130 Hexachlorobutadiene	225	10.450	10.450	0.000	98	35862	20.0	15.8	
131 Naphthalene	128	10.590	10.590	0.000	99	146229	20.0	12.7	
132 1,2,3-Trichlorobenzene	180	10.797	10.797	0.000	96	42745	20.0	10.8	
S 133 1,2-Dichloroethene, Total	100				0		40.0	43.1	
S 134 Xylenes, Total	100				0		40.0	41.7	
S 135 Total BTEX	1				0		100.0	103.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

GASES Li_00227	Amount Added:	20.00	Units: uL	
ACROLEIN W_00068	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00062	Amount Added:	20.00	Units: uL	
8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00159	Amount Added:	1.00	Units: uL	Run Reagent

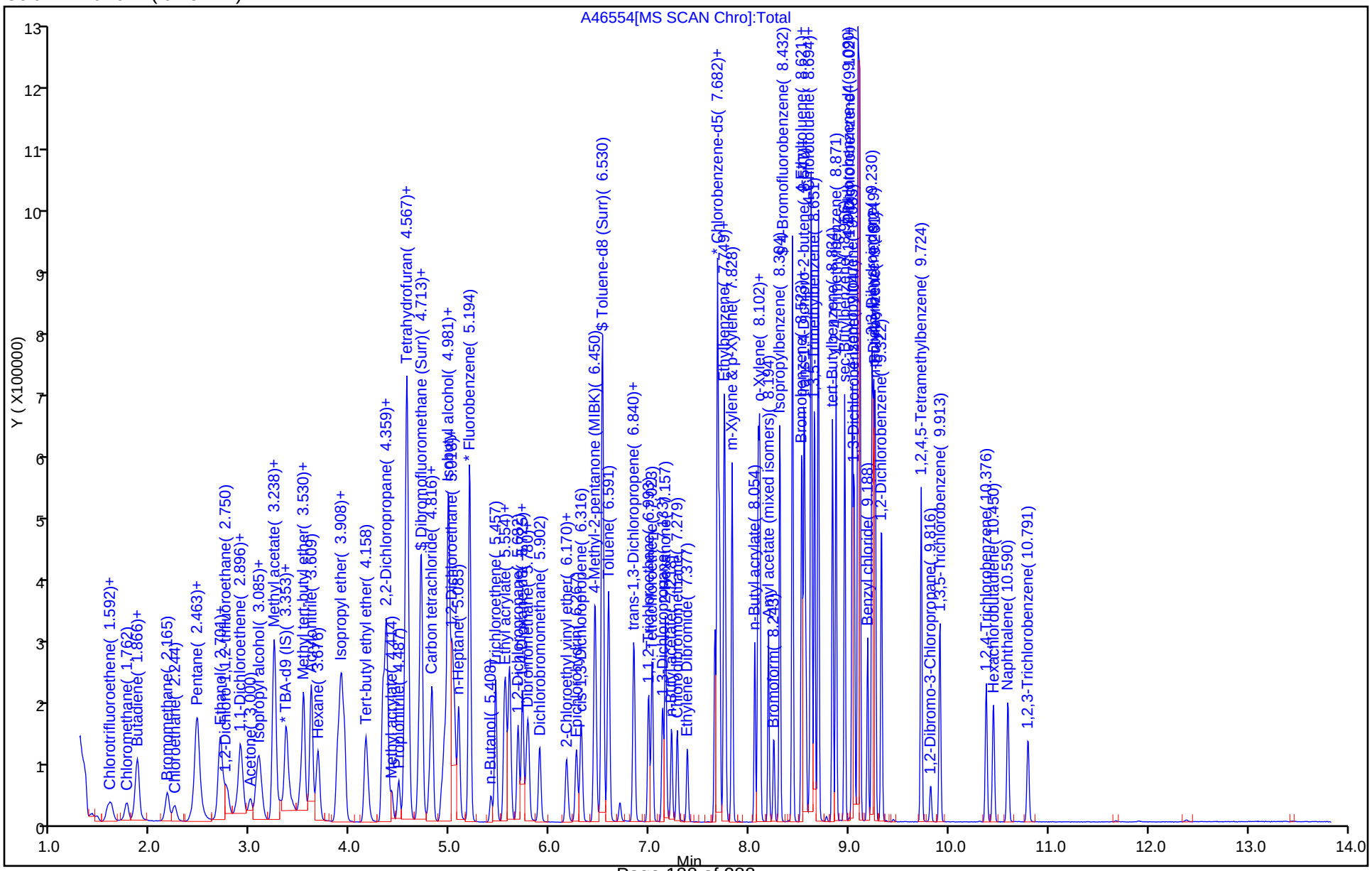
Report Date: 30-Sep-2017 13:10:14 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46554.D

Injection Date:	30-Sep-2017 08:08:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Lab Sample ID: CCVIS 460-466535/3 Calibration Date: 10/03/2017 06:54

Instrument ID: CVOAMS1 Calib Start Date: 08/07/2017 06:15

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/07/2017 08:54

Lab File ID: A46709.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3011	0.2799		18.6	20.0	-7.1	50.0
Chloromethane	Ave	0.3054	0.2337	0.1000	15.3	20.0	-23.5	104.0
Butadiene	Ave	0.2892	0.2951		20.4	20.0	2.0	50.0
Vinyl chloride	Ave	0.3037	0.2803		18.5	20.0	-7.7	96.0
Bromomethane	Ave	0.1868	0.2186		23.4	20.0	17.0	86.0
Chloroethane	Ave	0.1662	0.1650		19.9	20.0	-0.7	62.0
n-Pentane	Ave	0.0455	0.0513		45.1	40.0	12.8	50.0
Trichlorofluoromethane	Ave	0.3247	0.4018		24.7	20.0	23.7	52.0
Ethyl ether	Ave	0.2293	0.2054		17.9	20.0	-10.4	50.0
Ethanol	Ave	0.0609	0.0451		593	800	-25.9	50.0
Isoprene	Ave	0.2290	0.2088		18.2	20.0	-8.8	50.0
Acrolein	Ave	0.9213	0.997		43.3	40.0	8.2	99.0
Freon TF	Ave	0.2348	0.2713		23.1	20.0	15.5	50.0
1,1-Dichloroethene	Ave	0.2473	0.2676		21.6	20.0	8.2	49.5
Acetone	Ave	0.2649	0.2851		108	100	7.7	50.0
Iodomethane	Ave	0.4697	0.5125		21.8	20.0	9.1	50.0
Carbon disulfide	Ave	0.9634	0.9048		18.8	20.0	-6.1	50.0
Isopropanol	Ave	0.7223	0.7276		201	200	0.7	50.0
Allyl chloride	Ave	0.1913	0.1720		18.0	20.0	-10.1	50.0
Methyl acetate	Ave	0.2073	0.1747		84.3	100	-15.7	50.0
Acetonitrile	Ave	1.653	1.842		223	200	11.4	50.0
Methylene Chloride	Ave	0.3171	0.3186		20.1	20.0	0.5	39.5
TBA	Ave	1.355	1.287		190	200	-5.0	50.0
MTBE	Ave	0.7915	0.7216		18.2	20.0	-8.8	50.0
trans-1,2-Dichloroethene	Ave	0.3114	0.3322		21.3	20.0	6.7	30.5
Acrylonitrile	Lin2		0.1075		189	200	-5.6	50.0
Hexane	Ave	0.2527	0.2161		17.1	20.0	-14.5	50.0
DIPE	Ave	0.9641	0.7654		15.9	20.0	-20.6	50.0
1,1-Dichloroethane	Ave	0.5404	0.5216	0.1000	19.3	20.0	-3.5	27.5
Vinyl acetate	Ave	0.0627	0.0645		41.2	40.0	3.0	50.0
2,2-Dichloropropane	Ave	0.1133	0.1005		17.7	20.0	-11.3	50.0
cis-1,2-Dichloroethene	Ave	0.3574	0.3716		20.8	20.0	4.0	50.0
2-Butanone	Ave	0.3125	0.3989		128	100	27.6	50.0
Ethyl acetate	Lin2		0.3407		50.3	40.0	25.7	50.0
Bromochloromethane	Ave	0.1642	0.1867		22.7	20.0	13.7	50.0
Tetrahydrofuran	Ave	0.3564	0.4361		48.9	40.0	22.4	50.0
Chloroform	Ave	0.5173	0.5382		20.8	20.0	4.0	32.5
Cyclohexane	Ave	0.5230	0.4531		17.3	20.0	-13.4	50.0
1,1,1-Trichloroethane	Ave	0.4072	0.4148		20.4	20.0	1.9	25.0
Carbon tetrachloride	Ave	0.3513	0.3654		20.8	20.0	4.0	27.0
1,1-Dichloropropene	Ave	0.4019	0.4082		20.3	20.0	1.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Lab Sample ID: CCVIS 460-466535/3 Calibration Date: 10/03/2017 06:54

Instrument ID: CVOAMS1 Calib Start Date: 08/07/2017 06:15

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/07/2017 08:54

Lab File ID: A46709.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
Benzene	Ave	1.674	1.616		19.3	20.0	-3.5	36.0
Isopropyl acetate	Ave	0.8807	0.7415		16.8	20.0	-15.8	50.0
1,2-Dichloroethane	Ave	0.3575	0.3654		20.4	20.0	2.2	32.0
n-Heptane	Ave	0.2612	0.2608		20.0	20.0	-0.1	50.0
n-Butanol	Ave	0.3497	0.3444		492	500	-1.5	50.0
Trichloroethene	Ave	0.3041	0.3144		20.7	20.0	3.4	33.5
Ethyl acrylate	Ave	0.1835	0.1714		18.7	20.0	-6.6	50.0
Methylcyclohexane	Ave	0.5048	0.5053		20.0	20.0	0.1	50.0
1,2-Dichloropropane	Ave	0.3116	0.2965		19.0	20.0	-4.9	66.0
Methyl methacrylate	Ave	0.0768	0.0782		40.8	40.0	1.9	50.0
1,4-Dioxane	Ave	1.192	1.365		458	400	14.6	50.0
Propyl acetate	Ave	0.3897	0.3302		16.9	20.0	-15.3	50.0
Dibromomethane	Ave	0.1876	0.2040		21.7	20.0	8.7	50.0
Bromodichloromethane	Ave	0.3776	0.3750		19.9	20.0	-0.7	34.5
2-Chloroethyl vinyl ether	Ave	0.1733	0.1668		19.2	20.0	-3.8	124.0
Epichlorohydrin	Ave	0.2562	0.3176		496	400	24.0	50.0
cis-1,3-Dichloropropene	Ave	0.6598	0.6211		18.8	20.0	-5.9	76.0
MIBK	Ave	2.659	2.794		105	100	5.1	50.0
Toluene	Ave	1.768	1.691		19.1	20.0	-4.4	25.5
trans-1,3-Dichloropropene	Ave	0.5670	0.5334		18.8	20.0	-5.9	50.0
1,1,2-Trichloroethane	Ave	0.3199	0.3142		19.6	20.0	-1.8	29.0
Tetrachloroethene	Ave	0.4233	0.4470		21.1	20.0	5.6	26.5
1,3-Dichloropropane	Ave	0.5892	0.6105		20.7	20.0	3.6	50.0
2-Hexanone	Ave	1.716	1.896		110	100	10.5	50.0
Butyl acetate	Ave	0.1136	0.1094		19.3	20.0	-3.7	50.0
Dibromochloromethane	Ave	0.3955	0.4093		20.7	20.0	3.5	32.5
1,2-Dibromoethane	Ave	0.3604	0.3923		21.8	20.0	8.9	50.0
Chlorobenzene	Ave	1.114	1.198	0.3000	21.5	20.0	7.6	34.0
Ethylbenzene	Ave	0.6150	0.6132		19.9	20.0	-0.3	41.0
1,1,1,2-Tetrachloroethane	Ave	0.4039	0.4062		20.1	20.0	0.6	50.0
m-Xylene & p-Xylene	Ave	0.7710	0.7524		19.5	20.0	-2.4	50.0
n-Butyl acrylate	Ave	0.3638	0.3041		16.7	20.0	-16.4	50.0
o-Xylene	Ave	0.7819	0.7512		19.2	20.0	-3.9	50.0
Styrene	Ave	1.351	1.278		18.9	20.0	-5.5	50.0
Amyl acetate	Ave	1.466	1.066		14.5	20.0	-27.3	50.0
Bromoform	Ave	0.2942	0.2839	0.1000	19.3	20.0	-3.5	29.0
Isopropylbenzene	Ave	2.053	1.907		18.6	20.0	-7.1	50.0
Bromobenzene	Ave	0.8845	0.9140		20.7	20.0	3.3	50.0
1,1,2,2-Tetrachloroethane	Ave	0.9517	0.9199	0.3000	19.3	20.0	-3.3	39.5
N-Propylbenzene	Ave	4.198	3.785		18.0	20.0	-9.8	50.0
1,2,3-Trichloropropane	Ave	0.2587	0.2623		20.3	20.0	1.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Lab Sample ID: CCVIS 460-466535/3 Calibration Date: 10/03/2017 06:54

Instrument ID: CVOAMS1 Calib Start Date: 08/07/2017 06:15

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/07/2017 08:54

Lab File ID: A46709.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
2-Chlorotoluene	Ave	2.850	2.648		18.6	20.0	-7.1	50.0
1,3,5-Trimethylbenzene	Ave	2.897	2.653		18.3	20.0	-8.4	50.0
4-Chlorotoluene	Ave	2.489	2.376		19.1	20.0	-4.5	50.0
Butyl Methacrylate	Ave	1.125	0.9034		16.1	20.0	-19.7	50.0
tert-Butylbenzene	Ave	2.354	2.297		19.5	20.0	-2.4	50.0
1,2,4-Trimethylbenzene	Ave	3.025	2.700		17.9	20.0	-10.7	50.0
sec-Butylbenzene	Ave	3.523	3.397		19.3	20.0	-3.6	50.0
p-Isopropyltoluene	Ave	3.092	2.926		18.9	20.0	-5.4	50.0
1,3-Dichlorobenzene	Ave	1.734	1.760		20.3	20.0	1.5	27.0
1,4-Dichlorobenzene	Ave	1.742	1.803		20.7	20.0	3.5	37.0
1,2,3-Trimethylbenzene	Ave	3.061	2.843		18.6	20.0	-7.1	50.0
Benzyl chloride	Ave	1.939	1.599		16.5	20.0	-17.5	50.0
n-Butylbenzene	Ave	1.577	1.515		19.2	20.0	-4.0	50.0
1,2-Dichlorobenzene	Ave	1.647	1.648		20.0	20.0	0.1	37.0
1,2-Dibromo-3-Chloropropane	Ave	0.1750	0.1341		15.3	20.0	-23.4	50.0
1,2,4-Trichlorobenzene	Ave	1.141	0.9325		16.3	20.0	-18.3	50.0
Hexachlorobutadiene	Ave	0.5277	0.4957		18.8	20.0	-6.1	50.0
Naphthalene	Ave	2.683	2.005		14.9	20.0	-25.3	50.0
1,2,3-Trichlorobenzene	Ave	0.9171	0.7037		15.3	20.0	-23.3	50.0
Dibromofluoromethane (Surr)	Ave	0.2651	0.2883		54.4	50.0	8.7	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2902	0.2905		50.0	50.0	0.0	
Toluene-d8 (Surr)	Ave	1.368	1.369		50.0	50.0	0.0	
Bromofluorobenzene	Ave	0.4831	0.4966		51.4	50.0	2.8	

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\A46709.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 03-Oct-2017 06:54:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0061236-003
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 03-Oct-2017 14:38:12 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: moroneyc Date: 03-Oct-2017 07:14:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.567	1.567	0.000	86	5497	NC	NC	
3 Dichlorodifluoromethane	85	1.598	1.598	0.000	99	39891	20.0	18.6	
4 Chloromethane	50	1.756	1.756	0.000	98	33304	20.0	15.3	
6 Butadiene	54	1.860	1.860	0.000	79	42066	20.0	20.4	
5 Vinyl chloride	62	1.860	1.860	0.000	97	39951	20.0	18.5	
7 Bromomethane	94	2.158	2.158	0.000	100	31153	20.0	23.4	
8 Chloroethane	64	2.232	2.232	0.000	98	23517	20.0	19.9	
10 Dichlorofluoromethane	67	2.451	2.451	0.000	99	57225	NC	NC	
9 Trichlorofluoromethane	101	2.457	2.457	0.000	61	57277	20.0	24.7	
11 Pentane	72	2.457	2.457	0.000	95	14627	40.0	45.1	
13 Ethyl ether	59	2.677	2.677	0.000	92	29273	20.0	17.9	
12 Ethanol	46	2.689	2.689	0.000	60	4474	800.0	592.6	
14 2-Methyl-1,3-butadiene	53	2.695	2.695	0.000	93	29768	20.0	18.2	
15 1,2-Dichloro-1,1,2-trifluo	117	2.750	2.750	0.000	84	34068	NC	NC	
16 Acrolein	56	2.866	2.866	0.000	26	4940	40.0	43.3	
17 1,1,2-Trichloro-1,2,2-trif	101	2.890	2.890	0.000	56	38666	20.0	23.1	
18 1,1-Dichloroethene	96	2.896	2.896	0.000	96	38145	20.0	21.6	
19 Acetone	58	2.994	2.994	0.000	88	17167	100.0	107.7	
20 Iodomethane	142	3.061	3.061	0.000	98	73056	20.0	21.8	
21 Carbon disulfide	76	3.091	3.091	0.000	98	128972	20.0	18.8	
22 Isopropyl alcohol	45	3.091	3.091	0.000	54	18030	200.0	201.5	
23 3-Chloro-1-propene	76	3.225	3.225	0.000	93	24519	20.0	18.0	
24 Methyl acetate	43	3.238	3.238	0.000	98	124512	100.0	84.3	
25 Cyclopentene	67	3.238	3.238	0.000	81	97328	NC	NC	
26 Acetonitrile	41	3.298	3.298	0.000	97	45647	200.0	222.8	
27 Methylene Chloride	84	3.353	3.353	0.000	85	45413	20.0	20.1	
* 28 TBA-d9 (IS)	65	3.359	3.359	0.000	91	123899	1000.0	1000.0	
29 2-Methyl-2-propanol	59	3.433	3.433	0.000	91	31894	200.0	190.0	
30 Methyl tert-butyl ether	73	3.506	3.506	0.000	96	102861	20.0	18.2	
31 trans-1,2-Dichloroethene	96	3.530	3.530	0.000	91	47348	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
32 Acrylonitrile	53	3.603	3.603	0.000	94	153191	200.0	188.9	
33 Hexane	43	3.676	3.676	0.000	89	30801	20.0	17.1	
34 Isopropyl ether	45	3.878	3.878	0.000	95	109096	20.0	15.9	
35 1,1-Dichloroethane	63	3.902	3.902	0.000	99	74350	20.0	19.3	
36 Vinyl acetate	86	3.914	3.914	0.000	99	18392	40.0	41.2	
37 2-Chloro-1,3-butadiene	88	3.939	3.939	0.000	88	41382	NC	NC	
38 Tert-butyl ethyl ether	59	4.158	4.158	0.000	90	107215	NC	NC	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	92	150519	250.0	250.0	
40 2,2-Dichloropropane	97	4.347	4.347	0.000	78	14327	20.0	17.7	
41 cis-1,2-Dichloroethene	96	4.353	4.353	0.000	99	52972	20.0	20.8	
43 2-Butanone (MEK)	72	4.371	4.371	0.000	97	24016	100.0	127.6	
42 Ethyl acetate	70	4.371	4.371	0.000	94	8205	40.0	50.3	
44 Methyl acrylate	55	4.414	4.414	0.000	82	34856	NC	NC	
45 Propionitrile	54	4.481	4.481	0.000	98	55934	NC	NC	
47 Tetrahydrofuran	72	4.542	4.542	0.000	59	10503	40.0	48.9	
46 Chlorobromomethane	128	4.542	4.542	0.000	87	26609	20.0	22.7	
48 Methacrylonitrile	67	4.567	4.567	0.000	87	181494	NC	NC	
49 Chloroform	83	4.585	4.585	0.000	98	76707	20.0	20.8	
50 Cyclohexane	56	4.688	4.688	0.000	87	64586	20.0	17.3	
51 1,1,1-Trichloroethane	97	4.707	4.707	0.000	97	59126	20.0	20.4	
$ 52 Dibromofluoromethane (Surr	113	4.713	4.713	0.000	98	102717	50.0	54.4	
54 Carbon tetrachloride	117	4.798	4.798	0.000	98	52077	20.0	20.8	
55 1,1-Dichloropropene	75	4.823	4.823	0.000	98	58189	20.0	20.3	
56 Isobutyl alcohol	43	4.920	4.920	0.000	92	47915	NC	NC	
57 Isooctane	57	4.945	4.945	0.000	97	126143	NC	NC	
58 Benzene	78	4.975	4.975	0.000	95	171523	20.0	19.3	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	96	103523	50.0	50.0	
60 Isopropyl acetate	43	5.012	5.012	0.000	93	105698	20.0	16.8	
61 Tert-amyl methyl ether	73	5.018	5.018	0.000	94	132736	NC	NC	
62 1,2-Dichloroethane	62	5.048	5.048	0.000	96	52085	20.0	20.4	
63 n-Heptane	71	5.085	5.085	0.000	85	37170	20.0	20.0	
* 64 Fluorobenzene	96	5.194	5.194	0.000	99	356347	50.0	50.0	
65 n-Butanol	56	5.408	5.408	0.000	84	21338	500.0	492.5	
66 Trichloroethene	95	5.457	5.457	0.000	96	44818	20.0	20.7	
67 Ethyl acrylate	56	5.548	5.548	0.000	98	24435	20.0	18.7	
68 Methylcyclohexane	83	5.554	5.554	0.000	90	72020	20.0	20.0	
69 1,2-Dichloropropane	63	5.682	5.682	0.000	93	42263	20.0	19.0	
* 71 1,4-Dioxane-d8	96	5.719	5.719	0.000	34	17029	1000.0	1000.0	
70 Methyl methacrylate	100	5.725	5.725	0.000	81	22297	40.0	40.8	
73 1,4-Dioxane	88	5.761	5.761	0.000	31	9301	400.0	458.4	
72 n-Propyl acetate	43	5.768	5.768	0.000	95	47065	20.0	16.9	
74 Dibromomethane	93	5.780	5.780	0.000	95	29071	20.0	21.7	
75 Dichlorobromomethane	83	5.896	5.896	0.000	99	53457	20.0	19.9	
76 2-Chloroethyl vinyl ether	63	6.164	6.164	0.000	90	23779	20.0	19.2	
77 2-Nitropropane	41	6.176	6.176	0.000	85	13850	NC	NC	
78 Epichlorohydrin	57	6.267	6.267	0.000	98	76491	400.0	496.0	
79 cis-1,3-Dichloropropene	75	6.316	6.316	0.000	87	65939	20.0	18.8	
80 4-Methyl-2-pentanone (MIBK	43	6.450	6.450	0.000	93	168244	100.0	105.1	
$ 81 Toluene-d8 (Surr)	98	6.523	6.523	0.000	100	363240	50.0	50.0	
82 Toluene	91	6.591	6.591	0.000	93	179525	20.0	19.1	
83 trans-1,3-Dichloropropene	75	6.834	6.834	0.000	97	56620	20.0	18.8	
84 Ethyl methacrylate	69	6.847	6.847	0.000	84	49515	NC	NC	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 1,1,2-Trichloroethane	83	6.987	6.987	0.000	96	33359	20.0	19.6	
86 Tetrachloroethene	166	7.029	7.029	0.000	97	47449	20.0	21.1	
87 1,3-Dichloropropane	76	7.133	7.133	0.000	89	64808	20.0	20.7	
88 2-Hexanone	43	7.158	7.158	0.000	93	114148	100.0	110.5	
89 n-Butyl acetate	73	7.218	7.218	0.000	96	11613	20.0	19.3	
90 Chlorodibromomethane	129	7.279	7.279	0.000	97	43448	20.0	20.7	
91 Ethylene Dibromide	107	7.377	7.377	0.000	99	41648	20.0	21.8	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	83	265397	50.0	50.0	
93 Chlorobenzene	112	7.700	7.700	0.000	97	127195	20.0	21.5	
94 Ethylbenzene	106	7.749	7.749	0.000	97	65093	20.0	19.9	
95 1,1,1,2-Tetrachloroethane	131	7.761	7.761	0.000	95	43126	20.0	20.1	
96 m-Xylene & p-Xylene	106	7.828	7.828	0.000	98	79870	20.0	19.5	
97 n-Butyl acrylate	73	8.054	8.054	0.000	99	32279	20.0	16.7	
98 o-Xylene	106	8.090	8.090	0.000	95	79742	20.0	19.2	
99 Styrene	104	8.109	8.109	0.000	97	135636	20.0	18.9	
100 Amyl acetate (mixed isomer	43	8.188	8.188	0.000	93	69630	20.0	14.5	
101 Bromoform	173	8.243	8.243	0.000	97	30139	20.0	19.3	
102 Isopropylbenzene	105	8.304	8.304	0.000	95	202427	20.0	18.6	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	94	131803	50.0	51.4	
104 Bromobenzene	156	8.523	8.523	0.000	94	59704	20.0	20.7	
105 1,1,2,2-Tetrachloroethane	83	8.529	8.529	0.000	99	60084	20.0	19.3	
106 N-Propylbenzene	91	8.547	8.547	0.000	99	247212	20.0	18.0	
107 1,2,3-Trichloropropane	110	8.566	8.566	0.000	97	17132	20.0	20.3	
108 trans-1,4-Dichloro-2-buten	53	8.566	8.566	0.000	66	4052	NC	NC	
109 4-Ethyltoluene	105	8.615	8.615	0.000	98	210111	NC	NC	
110 2-Chlorotoluene	91	8.621	8.621	0.000	97	172986	20.0	18.6	
111 1,3,5-Trimethylbenzene	105	8.651	8.651	0.000	94	173302	20.0	18.3	
113 4-Chlorotoluene	91	8.688	8.688	0.000	97	155195	20.0	19.1	
112 Butyl Methacrylate	87	8.694	8.694	0.000	84	59007	20.0	16.1	
114 tert-Butylbenzene	119	8.834	8.834	0.000	96	150061	20.0	19.5	
115 1,2,4-Trimethylbenzene	105	8.864	8.864	0.000	96	176355	20.0	17.9	
116 sec-Butylbenzene	105	8.956	8.956	0.000	99	221917	20.0	19.3	
117 4-Isopropyltoluene	119	9.029	9.029	0.000	98	191150	20.0	18.9	
123 p-Diethylbenzene	119	9.242	9.242	0.000	94	117845	NC	NC	
118 1,3-Dichlorobenzene	146	9.047	9.047	0.000	98	114975	20.0	20.3	
* 119 1,4-Dichlorobenzene-d4	152	9.090	9.090	0.000	95	163297	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.102	9.102	0.000	96	117791	20.0	20.7	
136 1,2,3-Trimethylbenzene	105	9.108	9.108	0.000	0	185674	20.0	18.6	
121 Benzyl chloride	91	9.181	9.181	0.000	99	104460	20.0	16.5	
122 2,3-Dihydroindene	117	9.230	9.230	0.000	93	208985	NC	NC	
124 n-Butylbenzene	92	9.261	9.261	0.000	97	98936	20.0	19.2	
125 1,2-Dichlorobenzene	146	9.322	9.322	0.000	98	107676	20.0	20.0	
126 1,2,4,5-Tetramethylbenzene	119	9.718	9.718	0.000	97	162556	NC	NC	
127 1,2-Dibromo-3-Chloropropan	75	9.816	9.816	0.000	92	8758	20.0	15.3	
128 1,3,5-Trichlorobenzene	180	9.907	9.907	0.000	98	75838	NC	NC	
129 1,2,4-Trichlorobenzene	180	10.370	10.370	0.000	94	60911	20.0	16.3	
130 Hexachlorobutadiene	225	10.443	10.443	0.000	97	32379	20.0	18.8	
131 Naphthalene	128	10.590	10.590	0.000	99	130987	20.0	14.9	
132 1,2,3-Trichlorobenzene	180	10.791	10.791	0.000	95	45967	20.0	15.3	
S 133 1,2-Dichloroethene, Total	100				0		40.0	42.1	
S 134 Xylenes, Total	100				0		40.0	38.7	
S 135 Total BTEX	1				0		100.0	97.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

GASES Li_00227	Amount Added:	20.00	Units: uL	
ACROLEIN W_00068	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00062	Amount Added:	20.00	Units: uL	
8260SURR250_00159	Amount Added:	1.00	Units: uL	Run Reagent
8260ISNEW_00118	Amount Added:	1.00	Units: uL	Run Reagent

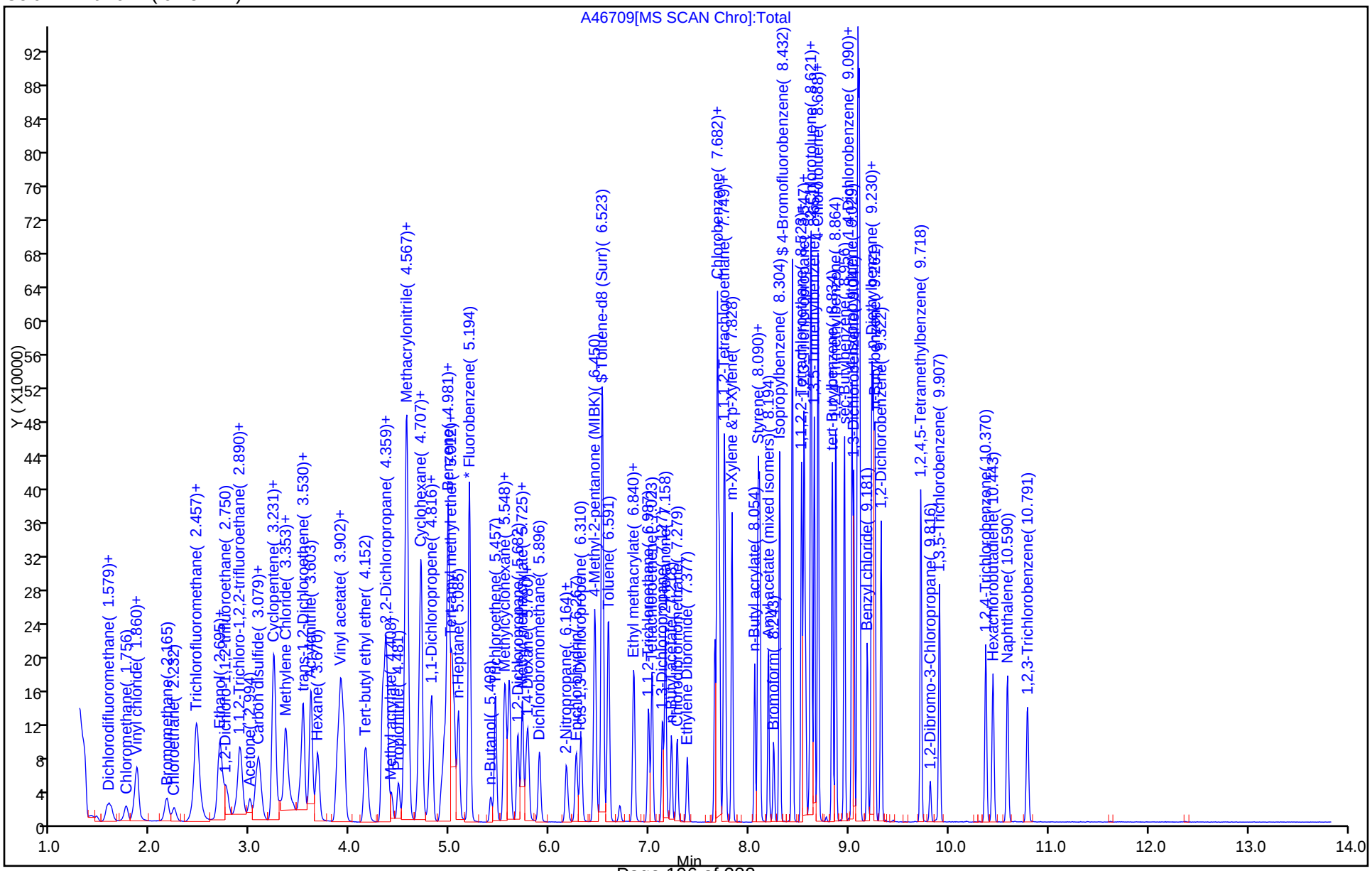
Report Date: 03-Oct-2017 14:38:13 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\A46709.D

Injection Date:	03-Oct-2017 06:54:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43573.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	07-Aug-2017 05:50:30	ALS Bottle#:	100	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0058730-001				
Operator ID:	VOA GC/MS1	Instrument ID:	CVOAMS1		
Method:	\\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\8260624W_1.m				
Limit Group:	VOA 624 ICAL				
Last Update:	07-Aug-2017 13:41:56	Calib Date:	07-Aug-2017 08:54:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK020				
First Level Reviewer: desais		Date:	07-Aug-2017 10:54:14		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 137 BFB	95	2.746	2.722	0.024	88	58312	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

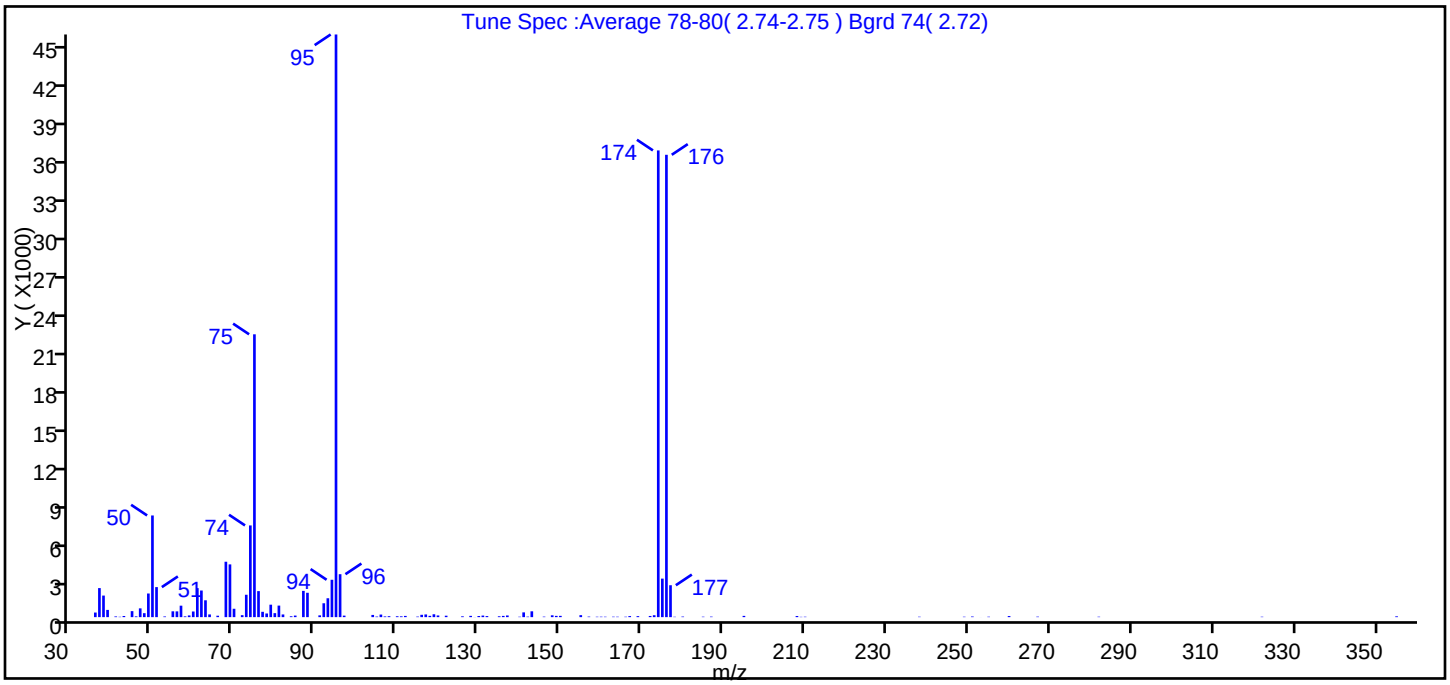
BFB_00015 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43573.D
Injection Date: 07-Aug-2017 05:50:30 Instrument ID: CVOAMS1
Lims ID: BFB
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 100 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA 624 ICAL
Tune Method: BFB Method 8260

$ 137 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.5
75	30 to 60% of m/z 95	48.5
96	5 to 9% of m/z 95	7.4
173	Less than 2% of m/z 174	0.3 (0.4)
174	50 to 120% of m/z 95	80.1
175	5 to 9% of m/z 174	6.6 (8.3)
176	Greater than 95% but less than 101% of m/z 174	79.4 (99.1)
177	5 to 9% of m/z 176	5.5 (6.9)

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43573.D\8260624W_1.rslt\spectra.d
Injection Date: 07-Aug-2017 05:50:30
Spectrum: Tune Spec :Average 78-80(2.74-2.75) Bgrd 74(2.72)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 117

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	362	73.00	1761	116.00	184	166.00	33
37.00	2285	74.00	7214	117.00	213	167.00	84
38.00	1697	75.00	22248	118.00	102	169.00	79
39.00	570	76.00	2047	119.00	227	172.00	92
41.00	56	77.00	420	120.00	132	173.00	151
42.00	27	78.00	288	122.00	113	174.00	36712
43.00	90	79.00	980	126.00	64	175.00	3030
45.00	472	80.00	314	128.00	101	176.00	36368
46.00	60	81.00	908	129.00	7	177.00	2510
47.00	691	82.00	212	130.00	89	178.00	30
48.00	312	84.00	69	131.00	123	180.00	45
49.00	1860	85.00	123	132.00	84	185.00	35
50.00	7998	87.00	2066	135.00	68	187.00	41
51.00	2363	88.00	1916	136.00	98	195.00	99
53.00	53	91.00	140	137.00	131	208.00	88
55.00	459	92.00	1092	140.00	33	209.00	24
56.00	454	93.00	1486	141.00	375	210.00	33
57.00	902	94.00	2940	142.00	39	238.00	34
58.00	61	95.00	45832	143.00	460	249.00	33
59.00	134	96.00	3378	146.00	40	251.00	49
60.00	445	97.00	119	148.00	144	253.00	2
61.00	2284	104.00	174	149.00	100	255.00	34
62.00	2095	105.00	45	150.00	102	260.00	85
63.00	1326	106.00	203	155.00	156	267.00	39
64.00	213	107.00	55	157.00	43	282.00	34
66.00	112	108.00	74	159.00	33	322.00	33
68.00	4358	110.00	70	160.00	36	355.00	64
69.00	4150	111.00	63	161.00	34		
70.00	659	112.00	97	163.00	36		
72.00	155	115.00	43	164.00	34		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46492.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 29-Sep-2017 07:26:30 ALS Bottle#: 100 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0061064-001
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 29-Sep-2017 09:34:31 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK031

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 137 BFB	95	2.722	2.722	0.000	93	29275	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

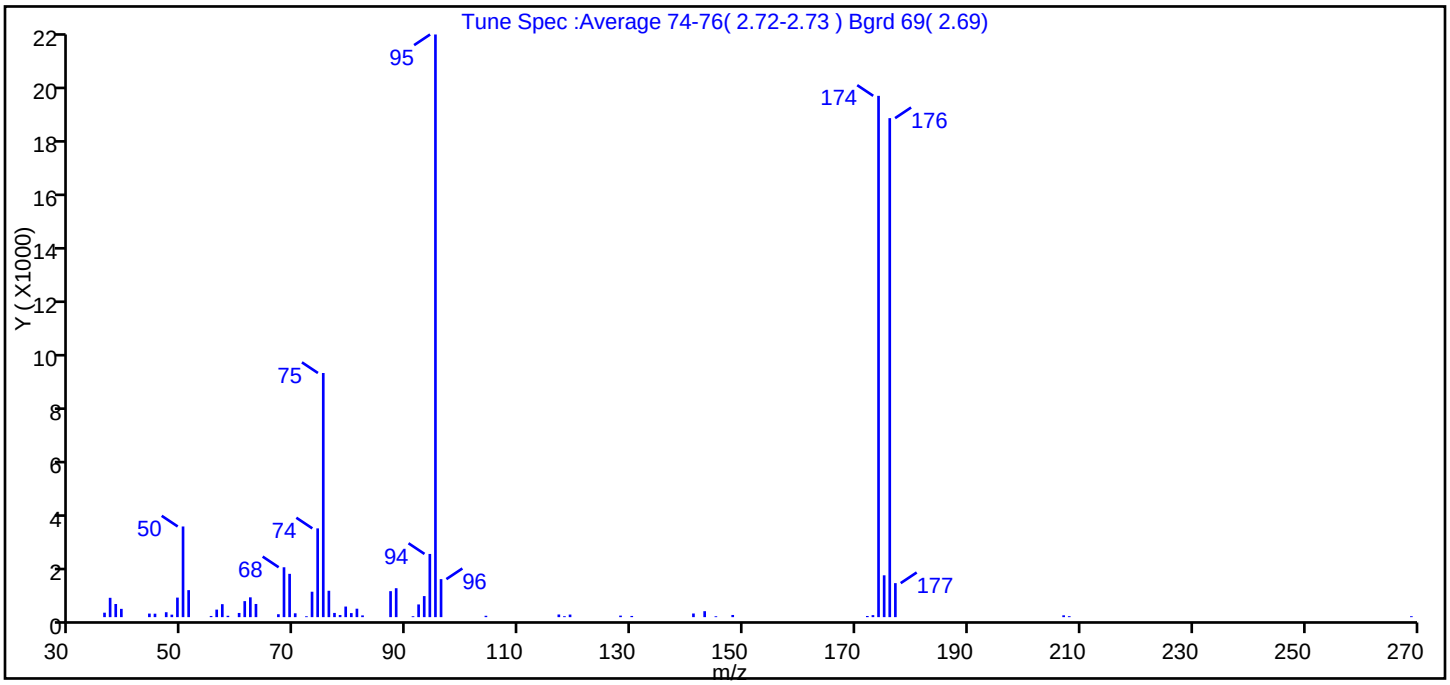
BFB_00015 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46492.D
Injection Date: 29-Sep-2017 07:26:30 Instrument ID: CVOAMS1
Lims ID: BFB
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 100 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA 624 ICAL
Tune Method: BFB Method 8260

$ 137 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.6
75	30 to 60% of m/z 95	41.9
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.3 (0.4)
174	50 to 120% of m/z 95	89.5
175	5 to 9% of m/z 174	7.2 (8.0)
176	Greater than 95% but less than 101% of m/z 174	85.6 (95.7)
177	5 to 9% of m/z 176	5.8 (6.8)

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46492.D\8260624W_1.rslt\spectra.d
Injection Date: 29-Sep-2017 07:26:30
Spectrum: Tune Spec :Average 74-76(2.72-2.73) Bgrd 69(2.69)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	166	61.00	597	81.00	315	141.00	136
37.00	721	62.00	739	82.00	65	143.00	222
38.00	490	63.00	491	87.00	969	145.00	33
39.00	309	67.00	109	88.00	1079	148.00	81
44.00	133	68.00	1860	91.00	33	172.00	43
45.00	129	69.00	1615	92.00	474	173.00	75
47.00	184	70.00	143	93.00	785	174.00	19440
48.00	93	72.00	33	94.00	2357	175.00	1560
49.00	729	73.00	948	95.00	21728	176.00	18608
50.00	3381	74.00	3310	96.00	1418	177.00	1268
51.00	1007	75.00	9104	104.00	51	207.00	68
55.00	44	76.00	984	117.00	99	208.00	36
56.00	281	77.00	157	118.00	35	269.00	34
57.00	484	78.00	79	119.00	96		
58.00	51	79.00	395	128.00	57		
60.00	156	80.00	151	130.00	45		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46552.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 30-Sep-2017 06:56:30 ALS Bottle#: 100 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0061122-001
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 30-Sep-2017 12:04:22 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: tupayachia Date: 30-Sep-2017 07:03:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 137 BFB	95	2.734	2.734	0.000	88	22279	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

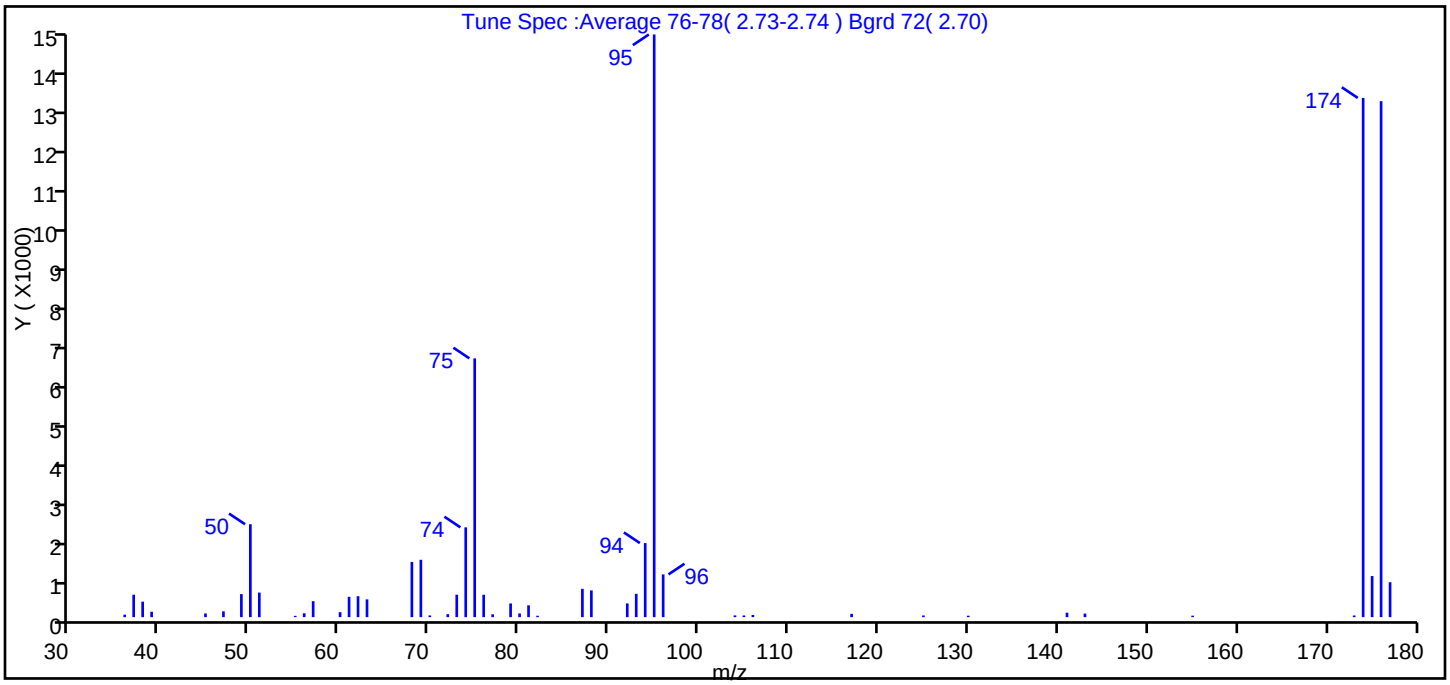
BFB_00015 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46552.D
Injection Date: 30-Sep-2017 06:56:30 Instrument ID: CVOAMS1
Lims ID: BFB
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 100 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA 624 ICAL
Tune Method: BFB Method 8260

$ 137 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.9
75	30 to 60% of m/z 95	44.4
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	0.3 (0.3)
174	50 to 120% of m/z 95	89.1
175	5 to 9% of m/z 174	7.1 (7.9)
176	Greater than 95% but less than 101% of m/z 174	88.6 (99.4)
177	5 to 9% of m/z 176	6.0 (6.8)

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46552.D\8260624W_1.rslt\spectra.d
Injection Date: 30-Sep-2017 06:56:30
Spectrum: Tune Spec :Average 76-78(2.73-2.74) Bgrd 72(2.70)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 50

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	62	61.00	511	80.00	93	117.00	83
37.00	563	62.00	526	81.00	297	125.00	42
38.00	389	63.00	447	82.00	35	130.00	36
39.00	136	68.00	1387	87.00	711	141.00	112
45.00	92	69.00	1441	88.00	672	143.00	90
47.00	146	70.00	43	92.00	345	155.00	37
49.00	579	72.00	75	93.00	586	173.00	42
50.00	2335	73.00	564	94.00	1861	174.00	13047
51.00	617	74.00	2256	95.00	14642	175.00	1033
55.00	33	75.00	6503	96.00	1074	176.00	12966
56.00	97	76.00	562	104.00	44	177.00	877
57.00	402	77.00	71	105.00	42		
60.00	125	79.00	344	106.00	55		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\A46707.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 03-Oct-2017 06:08:30 ALS Bottle#: 100 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0061236-001
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 03-Oct-2017 08:13:23 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK031

First Level Reviewer: moroneyc Date: 03-Oct-2017 06:15:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 137 BFB	95	2.716	2.716	0.000	92	18570	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

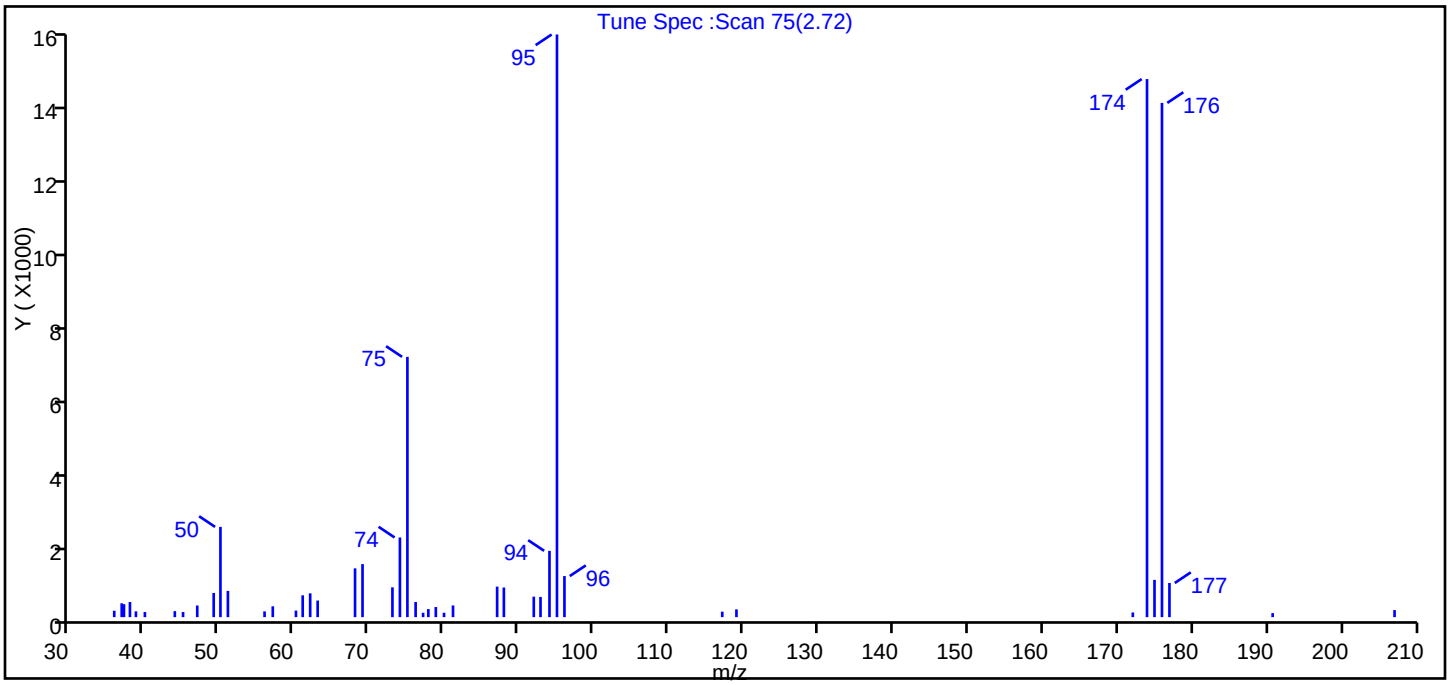
BFB_00015 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\A46707.D
Injection Date: 03-Oct-2017 06:08:30 Instrument ID: CVOAMS1
Lims ID: BFB
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 100 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA 624 ICAL
Tune Method: BFB Method 8260

$ 137 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.5
75	30 to 60% of m/z 95	44.7
96	5 to 9% of m/z 95	7.0
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	92.3
175	5 to 9% of m/z 174	6.4 (6.9)
176	Greater than 95% but less than 101% of m/z 174	88.3 (95.6)
177	5 to 9% of m/z 176	5.9 (6.6)

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\A46707.D\8260624W_1.rslt\spectra.d
Injection Date: 03-Oct-2017 06:08:30
Spectrum: Tune Spec :Scan 75(2.72)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 45

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.80	169	55.90	152	77.10	115	117.10	145
36.80	365	57.00	286	77.80	213	119.00	205
37.10	343	60.10	173	78.80	267	172.00	123
37.90	399	61.00	576	79.90	116	173.90	14202
38.70	153	62.00	629	81.10	309	174.90	984
39.90	135	63.00	438	87.00	806	175.90	13573
43.90	159	68.00	1288	87.90	782	176.90	901
45.00	135	69.00	1400	91.90	541	190.70	106
46.90	307	73.00	787	92.80	533	207.00	187
49.10	639	74.00	2103	94.00	1750		
50.00	2382	75.00	6870	95.00	15379		
51.00	692	76.10	401	96.00	1084		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-465797/8

Matrix: Water | Lab File ID: A46499.D

Analysis Method: 624 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/29/2017 10:08

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.: 465797 | 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.: 460-141629-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-465797/8

Matrix: Water Lab File ID: A46499.D

Analysis Method: 624 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/29/2017 10:08

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.: 465797 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		48-130
460-00-4	Bromofluorobenzene	95		71-131
2037-26-5	Toluene-d8 (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		80-120

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

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-465797/8

Matrix: Water Lab File ID: A46499.D

Analysis Method: 624 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/29/2017 10:08

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.: 465797 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\CVOAMS1\20170929-61064.b\A46499.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 29-Sep-2017 10:08:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0061064-008
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 29-Sep-2017 10:50:46 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK031

First Level Reviewer: moroneyc Date: 29-Sep-2017 10:50:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 28 TBA-d9 (IS)	65	3.359	3.366	-0.007	96	173713	1000.0	1000.0	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	95	196233	250.0	250.0	
$ 52 Dibromofluoromethane (Surr	113	4.713	4.713	0.000	98	118197	50.0	48.4	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	95	113881	50.0	42.6	
* 64 Fluorobenzene	96	5.194	5.195	-0.001	99	460994	50.0	50.0	
* 71 1,4-Dioxane-d8	96	5.719	5.719	0.000	84	24502	1000.0	1000.0	
$ 81 Toluene-d8 (Surr)	98	6.523	6.530	-0.007	99	426316	50.0	46.7	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	83	333743	50.0	50.0	
$ 103 4-Bromofluorobenzene	174	8.438	8.432	0.006	96	153637	50.0	47.6	
* 119 1,4-Dichlorobenzene-d4	152	9.102	9.084	0.018	93	208004	50.0	50.0	

Reagents:

8260ISNEW_00113 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00159 Amount Added: 1.00 Units: uL Run Reagent

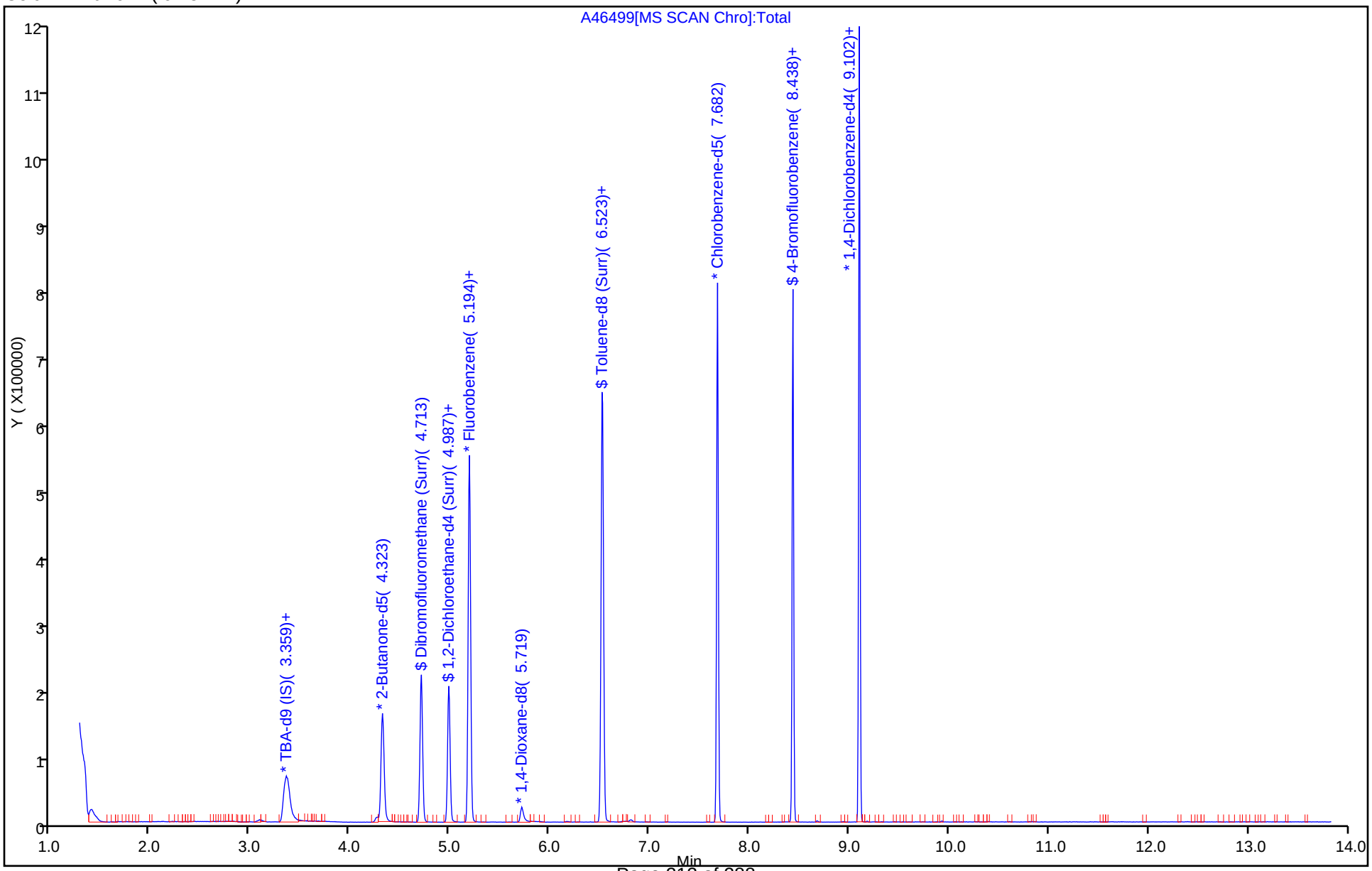
Report Date: 29-Sep-2017 10:50:54 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46499.D

Injection Date:	29-Sep-2017 10:08:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-466054/8

Matrix: Water | Lab File ID: A46559.D

Analysis Method: 624 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/30/2017 10:11

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.: 466054 | 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	4.53	J	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.: 460-141629-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-466054/8

Matrix: Water Lab File ID: A46559.D

Analysis Method: 624 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/30/2017 10:11

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.: 466054 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		48-130
460-00-4	Bromofluorobenzene	105		71-131
2037-26-5	Toluene-d8 (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		80-120

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

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-466054/8

Matrix: Water Lab File ID: A46559.D

Analysis Method: 624 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/30/2017 10:11

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.: 466054 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 624

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46559.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 30-Sep-2017 10:11:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0061122-008
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 30-Sep-2017 13:14:04 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: delpolitov Date: 30-Sep-2017 13:14:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
19 Acetone	58	3.000	3.000	0.000	90	931		4.53	
* 28 TBA-d9 (IS)	65	3.359	3.366	-0.007	97	165694	1000.0	1000.0	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	96	193861	250.0	250.0	
$ 52 Dibromofluoromethane (Surr	113	4.713	4.713	0.000	98	135770	50.0	53.2	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.993	-0.006	95	131099	50.0	46.9	
* 64 Fluorobenzene	96	5.194	5.194	0.000	99	481755	50.0	50.0	
* 71 1,4-Dioxane-d8	96	5.725	5.719	0.006	83	21904	1000.0	1000.0	
$ 81 Toluene-d8 (Surr)	98	6.530	6.530	0.000	99	489800	50.0	51.1	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	83	350169	50.0	50.0	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	95	177441	50.0	52.4	
* 119 1,4-Dichlorobenzene-d4	152	9.090	9.090	0.000	93	212574	50.0	50.0	

Reagents:

8260ISNEW_00113 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00159 Amount Added: 1.00 Units: uL Run Reagent

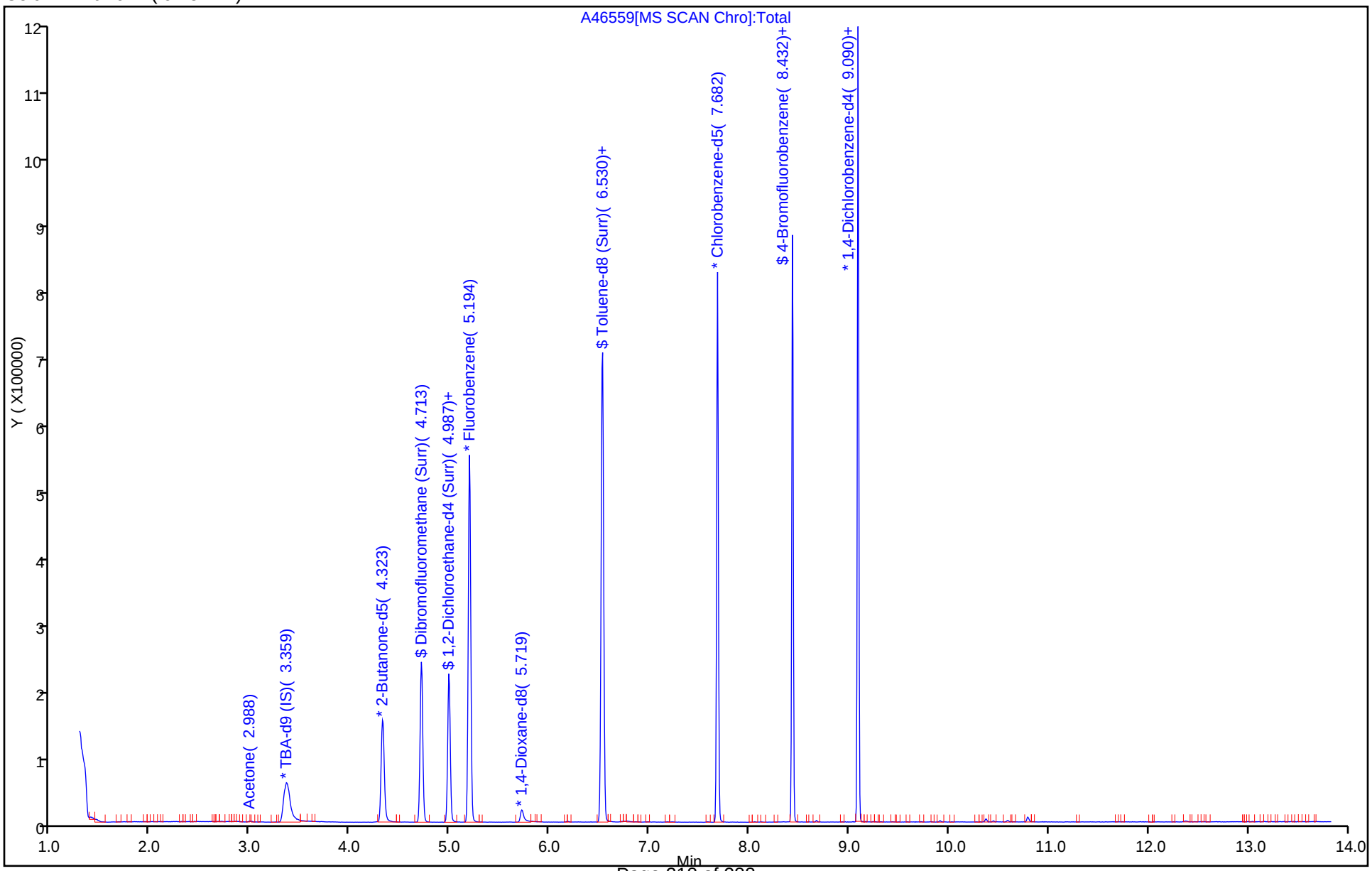
Report Date: 30-Sep-2017 13:14:05 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46559.D

Injection Date:	30-Sep-2017 10:11:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



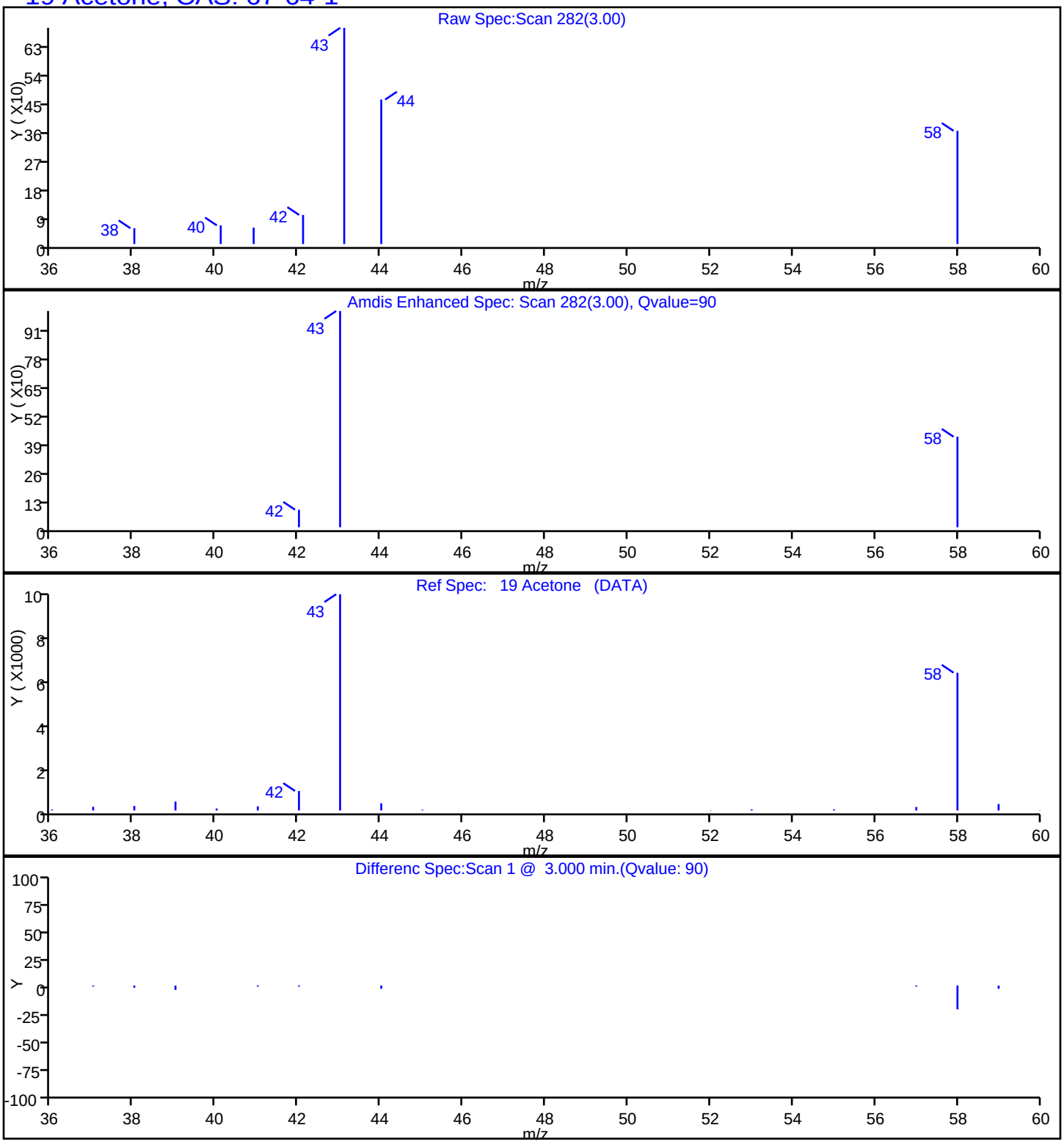
Report Date: 30-Sep-2017 13:14:05 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46559.D

Injection Date:	30-Sep-2017 10:11:30	Instrument ID:	CVOAMS1		
Lims ID:	MB				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

19 Acetone, CAS: 67-64-1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-466535/8

Matrix: Water | Lab File ID: A46714.D

Analysis Method: 624 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/03/2017 08:48

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.: 466535 | 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.: 460-141629-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-466535/8

Matrix: Water Lab File ID: A46714.D

Analysis Method: 624 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/03/2017 08:48

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.: 466535 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		48-130
460-00-4	Bromofluorobenzene	96		71-131
2037-26-5	Toluene-d8 (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120

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

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-466535/8

Matrix: Water Lab File ID: A46714.D

Analysis Method: 624 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/03/2017 08:48

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.: 466535 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\CVOAMS1\20171003-61236.b\A46714.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 03-Oct-2017 08:48:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0061236-008
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 03-Oct-2017 14:39:56 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: delpolitov Date: 03-Oct-2017 14:40:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 28 TBA-d9 (IS)	65	3.366	3.359	0.007	98	121567	1000.0	1000.0	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	96	136863	250.0	250.0	
$ 52 Dibromofluoromethane (Surr	113	4.713	4.713	0.000	98	90744	50.0	52.5	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	95	92375	50.0	48.8	
* 64 Fluorobenzene	96	5.194	5.194	0.000	99	325850	50.0	50.0	
* 71 1,4-Dioxane-d8	96	5.719	5.719	0.000	84	16604	1000.0	1000.0	
$ 81 Toluene-d8 (Surr)	98	6.530	6.523	0.007	100	307261	50.0	47.7	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	84	235546	50.0	50.0	
$ 103 4-Bromofluorobenzene	174	8.438	8.432	0.006	98	108915	50.0	47.9	
* 119 1,4-Dichlorobenzene-d4	152	9.096	9.090	0.006	94	142036	50.0	50.0	

Reagents:

8260SURR250_00159 Amount Added: 1.00 Units: uL Run Reagent
8260ISNEW_00118 Amount Added: 1.00 Units: uL Run Reagent

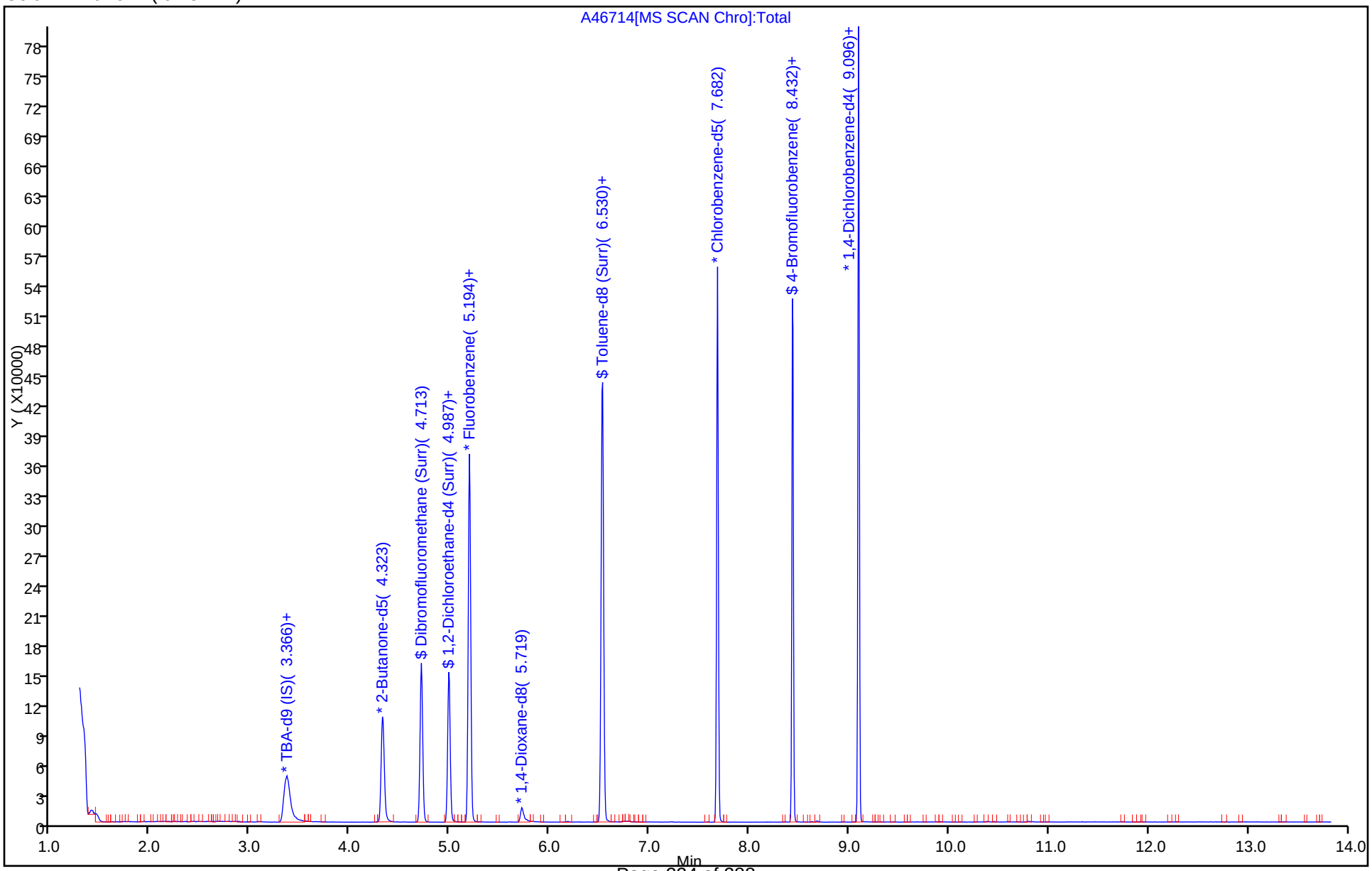
Report Date: 03-Oct-2017 14:40:16 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\A46714.D

Injection Date:	03-Oct-2017 08:48:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-465797/4

Matrix: Water | Lab File ID: A46495.D

Analysis Method: 624 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/29/2017 08:36

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.: 465797 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	19.5		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	19.3		1.0	0.19
79-00-5	1,1,2-Trichloroethane	19.9		1.0	0.080
75-34-3	1,1-Dichloroethane	18.9		1.0	0.24
75-35-4	1,1-Dichloroethene	22.7		1.0	0.34
107-06-2	1,2-Dichloroethane	18.6		1.0	0.25
78-87-5	1,2-Dichloropropane	18.7		1.0	0.18
123-91-1	1,4-Dioxane	420		50	8.7
78-93-3	2-Butanone	128		5.0	2.2
591-78-6	2-Hexanone	106		5.0	0.72
108-10-1	MIBK	99.6		5.0	0.63
67-64-1	Acetone	107		5.0	1.1
71-43-2	Benzene	19.2		1.0	0.090
75-27-4	Bromodichloromethane	18.9		1.0	0.15
75-25-2	Bromoform	19.6		1.0	0.18
74-83-9	Bromomethane	22.6		1.0	0.18
75-15-0	Carbon disulfide	18.6		1.0	0.22
56-23-5	Carbon tetrachloride	19.8		1.0	0.33
108-90-7	Chlorobenzene	21.3		1.0	0.24
75-00-3	Chloroethane	19.8		1.0	0.37
67-66-3	Chloroform	19.7		1.0	0.22
74-87-3	Chloromethane	14.9		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	20.4		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	18.8		1.0	0.16
124-48-1	Dibromochloromethane	20.5		1.0	0.22
100-41-4	Ethylbenzene	20.1		1.0	0.30
75-09-2	Methylene Chloride	20.3		1.0	0.21
100-42-5	Styrene	17.1		1.0	0.17
127-18-4	Tetrachloroethene	21.9		1.0	0.12
108-88-3	Toluene	19.3		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	20.7		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	18.0		1.0	0.19
79-01-6	Trichloroethene	20.4		1.0	0.22
75-01-4	Vinyl chloride	17.6		1.0	0.060
1330-20-7	Xylenes, Total	39.9		2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-465797/4

Matrix: Water Lab File ID: A46495.D

Analysis Method: 624 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/29/2017 08:36

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.: 465797 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		48-130
460-00-4	Bromofluorobenzene	102		71-131
2037-26-5	Toluene-d8 (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46495.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 29-Sep-2017 08:36:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0061064-004
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 29-Sep-2017 12:24:20 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: moroneyc Date: 29-Sep-2017 09:38:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.555	1.561	-0.006	85	6273	NC	NC	
3 Dichlorodifluoromethane	85	1.592	1.598	-0.006	99	46019	20.0	17.6	
4 Chloromethane	50	1.744	1.750	-0.006	99	39531	20.0	14.9	
6 Butadiene	54	1.854	1.860	-0.006	80	47743	20.0	19.0	
5 Vinyl chloride	62	1.860	1.860	0.000	97	46314	20.0	17.6	
7 Bromomethane	94	2.152	2.159	-0.007	100	36696	20.0	22.6	
8 Chloroethane	64	2.226	2.238	-0.012	97	28530	20.0	19.8	
10 Dichlorofluoromethane	67	2.445	2.451	-0.006	98	67597	NC	NC	
9 Trichlorofluoromethane	101	2.457	2.451	0.006	57	63739	20.0	22.6	
11 Pentane	72	2.457	2.457	0.000	96	16974	40.0	43.0	
12 Ethanol	46	2.671	2.671	0.000	68	6995	800.0	653.1	M
13 Ethyl ether	59	2.671	2.677	-0.006	94	37760	20.0	19.0	
14 2-Methyl-1,3-butadiene	53	2.695	2.695	0.000	93	33560	20.0	16.9	
15 1,2-Dichloro-1,1,2-trifluo	117	2.756	2.756	0.000	83	42578	NC	NC	
16 Acrolein	56	2.854	2.866	-0.012	90	6419	40.0	39.6	
17 1,1,2-Trichloro-1,2,2-trif	101	2.890	2.884	0.006	56	47466	20.0	23.3	
18 1,1-Dichloroethene	96	2.896	2.896	0.000	94	48817	20.0	22.7	
19 Acetone	58	2.994	2.994	0.000	90	21377	100.0	106.6	
20 Iodomethane	142	3.049	3.055	-0.006	97	92421	20.0	22.7	
21 Carbon disulfide	76	3.085	3.085	0.000	98	155868	20.0	18.6	
22 Isopropyl alcohol	45	3.097	3.097	0.000	54	24475	200.0	192.8	
23 3-Chloro-1-propene	76	3.219	3.225	-0.006	91	30532	20.0	18.4	
24 Methyl acetate	43	3.232	3.238	-0.006	96	150539	100.0	83.6	
25 Cyclopentene	67	3.238	3.238	0.000	83	123190	NC	NC	
26 Acetonitrile	41	3.299	3.305	-0.006	98	41257	200.0	142.0	
27 Methylene Chloride	84	3.347	3.353	-0.006	84	55914	20.0	20.3	
* 28 TBA-d9 (IS)	65	3.366	3.366	0.000	92	175763	1000.0	1000.0	
29 2-Methyl-2-propanol	59	3.421	3.427	-0.006	91	45185	200.0	189.7	
30 Methyl tert-butyl ether	73	3.506	3.512	-0.006	96	132267	20.0	19.2	
31 trans-1,2-Dichloroethene	96	3.524	3.530	-0.006	90	55959	20.0	20.7	
32 Acrylonitrile	53	3.603	3.603	0.000	95	189378	200.0	191.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Hexane	43	3.664	3.677	-0.013	87	34908	20.0	15.9	
34 Isopropyl ether	45	3.872	3.878	-0.006	95	131471	20.0	15.7	
35 1,1-Dichloroethane	63	3.896	3.902	-0.006	98	88673	20.0	18.9	
36 Vinyl acetate	86	3.914	3.914	0.000	99	21743	40.0	40.0	
37 2-Chloro-1,3-butadiene	88	3.939	3.939	0.000	86	48801	NC	NC	
38 Tert-butyl ethyl ether	59	4.146	4.158	-0.012	91	135899	NC	NC	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	92	189230	250.0	250.0	
40 2,2-Dichloropropane	97	4.347	4.347	0.000	58	17091	20.0	17.4	
41 cis-1,2-Dichloroethene	96	4.353	4.353	0.000	99	63438	20.0	20.4	
42 Ethyl acetate	70	4.365	4.372	-0.007	93	10856	40.0	53.0	
43 2-Butanone (MEK)	72	4.365	4.372	-0.007	97	30328	100.0	128.2	
44 Methyl acrylate	55	4.414	4.414	0.000	98	41017	NC	NC	
45 Propionitrile	54	4.481	4.481	0.000	99	70791	NC	NC	
46 Chlorobromomethane	128	4.542	4.542	0.000	80	32644	20.0	22.9	
47 Tetrahydrofuran	72	4.542	4.542	0.000	62	13990	40.0	51.9	
48 Methacrylonitrile	67	4.561	4.567	-0.006	86	217582	NC	NC	
49 Chloroform	83	4.585	4.585	0.000	99	88652	20.0	19.7	
50 Cyclohexane	56	4.695	4.689	0.006	86	78741	20.0	17.3	
51 1,1,1-Trichloroethane	97	4.701	4.707	-0.006	97	68841	20.0	19.5	
$ 52 Dibromofluoromethane (Surr	113	4.713	4.713	0.000	98	119152	50.0	51.8	
54 Carbon tetrachloride	117	4.798	4.798	0.000	97	60451	20.0	19.8	
55 1,1-Dichloropropene	75	4.817	4.817	0.000	97	69278	20.0	19.9	
56 Isobutyl alcohol	43	4.920	4.920	0.000	94	65773	NC	NC	
57 Isooctane	57	4.945	4.945	0.000	99	154520	NC	NC	
58 Benzene	78	4.975	4.975	0.000	95	208781	20.0	19.2	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	95	115660	50.0	45.9	
60 Isopropyl acetate	43	5.012	5.012	0.000	97	119329	20.0	15.6	
61 Tert-amyl methyl ether	73	5.018	5.024	-0.006	90	156761	NC	NC	
62 1,2-Dichloroethane	62	5.042	5.048	-0.006	96	57717	20.0	18.6	
63 n-Heptane	71	5.085	5.085	0.000	86	44316	20.0	19.5	
* 64 Fluorobenzene	96	5.195	5.195	0.000	100	434101	50.0	50.0	
65 n-Butanol	56	5.408	5.408	0.000	83	30086	500.0	489.5	
66 Trichloroethene	95	5.457	5.457	0.000	95	53787	20.0	20.4	
67 Ethyl acrylate	56	5.548	5.554	-0.006	98	30401	20.0	19.1	
68 Methylcyclohexane	83	5.554	5.554	0.000	92	91936	20.0	21.0	
69 1,2-Dichloropropane	63	5.676	5.682	-0.006	94	50611	20.0	18.7	
* 71 1,4-Dioxane-d8	96	5.719	5.719	0.000	37	25718	1000.0	1000.0	
70 Methyl methacrylate	100	5.725	5.725	0.000	81	27351	40.0	41.0	
73 1,4-Dioxane	88	5.762	5.762	0.000	33	12867	400.0	419.9	
72 n-Propyl acetate	43	5.768	5.768	0.000	95	57132	20.0	16.9	
74 Dibromomethane	93	5.780	5.786	-0.006	95	34650	20.0	21.3	
75 Dichlorobromomethane	83	5.896	5.896	0.000	98	61846	20.0	18.9	
76 2-Chloroethyl vinyl ether	63	6.164	6.164	0.000	91	30523	20.0	20.3	
77 2-Nitropropane	41	6.170	6.176	-0.006	81	15737	NC	NC	
78 Epichlorohydrin	57	6.261	6.268	-0.007	98	96112	400.0	495.7	
79 cis-1,3-Dichloropropene	75	6.310	6.310	0.000	86	80406	20.0	18.8	
80 4-Methyl-2-pentanone (MIBK	43	6.450	6.450	0.000	92	200397	100.0	99.6	
$ 81 Toluene-d8 (Surr)	98	6.524	6.530	-0.006	99	441400	50.0	49.7	
82 Toluene	91	6.591	6.591	0.000	92	221997	20.0	19.3	
83 trans-1,3-Dichloropropene	75	6.835	6.841	-0.007	97	66146	20.0	18.0	
84 Ethyl methacrylate	69	6.847	6.847	0.000	84	56183	NC	NC	
85 1,1,2-Trichloroethane	83	6.987	6.987	0.000	96	41315	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
86 Tetrachloroethene	166	7.023	7.023	0.000	95	60111	20.0	21.9	
87 1,3-Dichloropropane	76	7.127	7.133	-0.006	88	78388	20.0	20.5	
88 2-Hexanone	43	7.158	7.158	0.000	91	137024	100.0	105.5	
89 n-Butyl acetate	73	7.219	7.225	-0.006	95	14457	20.0	19.6	
90 Chlorodibromomethane	129	7.280	7.280	0.000	98	52581	20.0	20.5	
91 Ethylene Dibromide	107	7.377	7.377	0.000	98	50434	20.0	21.6	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	83	324648	50.0	50.0	
93 Chlorobenzene	112	7.700	7.700	0.000	98	153941	20.0	21.3	
94 Ethylbenzene	106	7.749	7.749	0.000	97	80330	20.0	20.1	
95 1,1,1,2-Tetrachloroethane	131	7.761	7.761	0.000	96	51838	20.0	19.8	
96 m-Xylene & p-Xylene	106	7.828	7.828	0.000	98	99716	20.0	19.9	
97 n-Butyl acrylate	73	8.054	8.054	0.000	99	41121	20.0	17.4	
98 o-Xylene	106	8.090	8.090	0.000	95	101204	20.0	19.9	
99 Styrene	104	8.109	8.109	0.000	98	149830	20.0	17.1	
100 Amyl acetate (mixed isomer	43	8.194	8.194	0.000	92	83752	20.0	14.2	
101 Bromoform	173	8.249	8.243	0.006	99	37385	20.0	19.6	
102 Isopropylbenzene	105	8.304	8.304	0.000	95	257937	20.0	19.4	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	95	160242	50.0	51.1	
104 Bromobenzene	156	8.523	8.523	0.000	94	74189	20.0	20.8	
105 1,1,2,2-Tetrachloroethane	83	8.529	8.529	0.000	98	73898	20.0	19.3	
106 N-Propylbenzene	91	8.554	8.548	0.006	100	306611	20.0	18.1	
107 1,2,3-Trichloropropane	110	8.566	8.566	0.000	97	21912	20.0	21.0	
108 trans-1,4-Dichloro-2-buten	53	8.572	8.566	0.006	67	4495	NC	NC	
109 4-Ethyltoluene	105	8.621	8.615	0.006	98	268804	NC	NC	
110 2-Chlorotoluene	91	8.627	8.621	0.006	96	209437	20.0	18.2	
111 1,3,5-Trimethylbenzene	105	8.657	8.651	0.006	94	213691	20.0	18.3	
113 4-Chlorotoluene	91	8.694	8.688	0.006	95	187844	20.0	18.7	
112 Butyl Methacrylate	87	8.694	8.694	0.000	51	62257	20.0	13.7	
114 tert-Butylbenzene	119	8.834	8.834	0.000	96	189325	20.0	20.0	
115 1,2,4-Trimethylbenzene	105	8.871	8.865	0.006	96	223577	20.0	18.3	
116 sec-Butylbenzene	105	8.962	8.956	0.006	99	275787	20.0	19.4	
117 4-Isopropyltoluene	119	9.035	9.029	0.006	98	237493	20.0	19.1	
118 1,3-Dichlorobenzene	146	9.054	9.047	0.007	98	141356	20.0	20.2	
* 119 1,4-Dichlorobenzene-d4	152	9.096	9.084	0.012	95	201566	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.108	9.102	0.006	96	144286	20.0	20.5	
136 1,2,3-Trimethylbenzene	105	9.115	9.102	0.013	0	230680	20.0	18.7	
121 Benzyl chloride	91	9.188	9.182	0.006	99	128853	20.0	16.5	
122 2,3-Dihydroindene	117	9.236	9.224	0.012	92	259946	NC	NC	
123 p-Diethylbenzene	119	9.249	9.243	0.006	92	144285	NC	NC	
124 n-Butylbenzene	92	9.267	9.261	0.006	98	119742	20.0	18.8	
125 1,2-Dichlorobenzene	146	9.328	9.322	0.006	98	133861	20.0	20.2	
126 1,2,4,5-Tetramethylbenzene	119	9.724	9.718	0.006	98	205252	NC	NC	
127 1,2-Dibromo-3-Chloropropan	75	9.822	9.810	0.012	90	11213	20.0	15.9	
128 1,3,5-Trichlorobenzene	180	9.913	9.907	0.006	98	88595	NC	NC	
129 1,2,4-Trichlorobenzene	180	10.376	10.370	0.006	94	76460	20.0	16.6	
130 Hexachlorobutadiene	225	10.450	10.444	0.006	98	37811	20.0	17.8	
131 Naphthalene	128	10.596	10.584	0.012	99	183456	20.0	17.0	
132 1,2,3-Trichlorobenzene	180	10.797	10.785	0.012	95	58972	20.0	16.0	
S 133 1,2-Dichloroethene, Total	100				0		40.0	41.1	
S 134 Xylenes, Total	100				0		40.0	39.9	
S 135 Total BTEX	1				0		100.0	98.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00227	Amount Added:	20.00	Units: uL	
ACROLEIN W_00068	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00062	Amount Added:	20.00	Units: uL	
8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00159	Amount Added:	1.00	Units: uL	Run Reagent

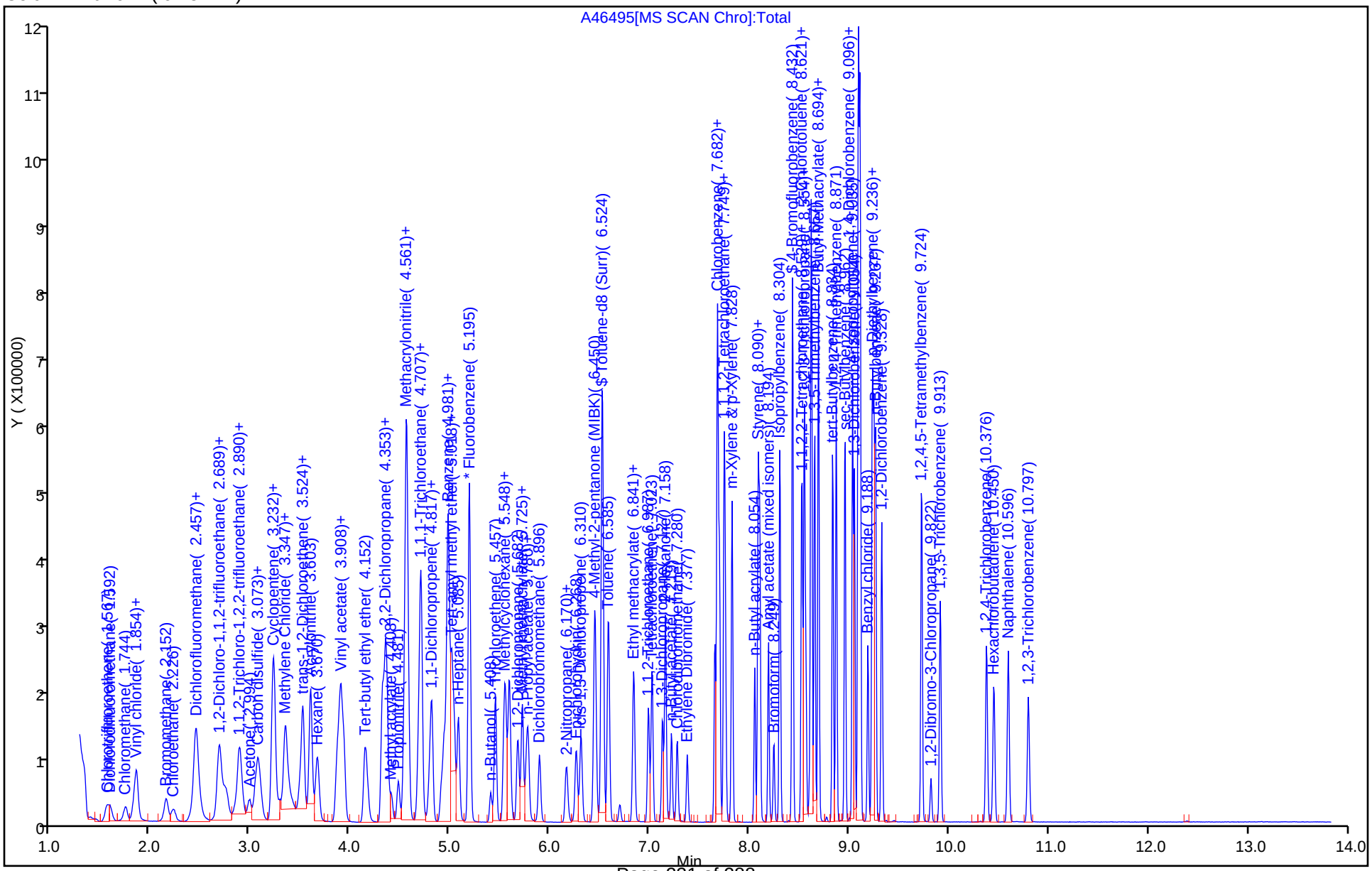
Report Date: 29-Sep-2017 12:24:21 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46495.D

Injection Date:	29-Sep-2017 08:36:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-466054/4

Matrix: Water | Lab File ID: A46555.D

Analysis Method: 624 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/30/2017 08:31

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.: 466054 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	19.7		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	19.3		1.0	0.19
79-00-5	1,1,2-Trichloroethane	20.2		1.0	0.080
75-34-3	1,1-Dichloroethane	19.5		1.0	0.24
75-35-4	1,1-Dichloroethene	22.8		1.0	0.34
107-06-2	1,2-Dichloroethane	19.0		1.0	0.25
78-87-5	1,2-Dichloropropane	19.5		1.0	0.18
123-91-1	1,4-Dioxane	441		50	8.7
78-93-3	2-Butanone	134		5.0	2.2
591-78-6	2-Hexanone	112		5.0	0.72
108-10-1	MIBK	106		5.0	0.63
67-64-1	Acetone	110		5.0	1.1
71-43-2	Benzene	19.6		1.0	0.090
75-27-4	Bromodichloromethane	19.9		1.0	0.15
75-25-2	Bromoform	20.0		1.0	0.18
74-83-9	Bromomethane	26.7		1.0	0.18
75-15-0	Carbon disulfide	18.5		1.0	0.22
56-23-5	Carbon tetrachloride	19.9		1.0	0.33
108-90-7	Chlorobenzene	22.4		1.0	0.24
75-00-3	Chloroethane	22.9		1.0	0.37
67-66-3	Chloroform	20.6		1.0	0.22
74-87-3	Chloromethane	18.0		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	21.9		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	19.8		1.0	0.16
124-48-1	Dibromochloromethane	21.6		1.0	0.22
100-41-4	Ethylbenzene	20.4		1.0	0.30
75-09-2	Methylene Chloride	20.9		1.0	0.21
100-42-5	Styrene	20.0		1.0	0.17
127-18-4	Tetrachloroethene	22.4		1.0	0.12
108-88-3	Toluene	19.9		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	21.7		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	19.3		1.0	0.19
79-01-6	Trichloroethene	21.1		1.0	0.22
75-01-4	Vinyl chloride	20.4		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.: 460-141629-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-466054/4

Matrix: Water Lab File ID: A46555.D

Analysis Method: 624 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/30/2017 08:31

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.: 466054 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		48-130
460-00-4	Bromofluorobenzene	104		71-131
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46555.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 30-Sep-2017 08:31:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0061122-004
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 30-Sep-2017 13:11:45 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: tupayachia Date: 30-Sep-2017 08:54:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.567	1.567	0.000	85	6704	NC	NC	
3 Dichlorodifluoromethane	85	1.598	1.604	-0.006	99	56371	20.0	19.2	
4 Chloromethane	50	1.756	1.762	-0.006	99	53615	20.0	18.0	
6 Butadiene	54	1.860	1.866	-0.006	91	60834	20.0	21.6	
5 Vinyl chloride	62	1.866	1.866	0.000	97	60407	20.0	20.4	
7 Bromomethane	94	2.165	2.165	0.000	99	48571	20.0	26.7	
8 Chloroethane	64	2.238	2.244	-0.006	98	37078	20.0	22.9	
10 Dichlorofluoromethane	67	2.457	2.457	0.000	97	87025	NC	NC	
9 Trichlorofluoromethane	101	2.457	2.457	0.000	64	80708	20.0	25.5	
11 Pentane	72	2.469	2.463	0.006	95	18364	40.0	41.4	
12 Ethanol	46	2.664	2.664	0.000	68	6769	800.0	676.8	
13 Ethyl ether	59	2.683	2.683	0.000	93	42639	20.0	19.1	
14 2-Methyl-1,3-butadiene	53	2.701	2.707	-0.006	93	39317	20.0	17.6	
15 1,2-Dichloro-1,1,2-trifluo	117	2.756	2.750	0.006	92	46385	NC	NC	
16 Acrolein	56	2.866	2.866	0.000	47	8479	40.0	56.1	
17 1,1,2-Trichloro-1,2,2-trif	101	2.890	2.896	-0.006	67	50399	20.0	22.0	
18 1,1-Dichloroethene	96	2.896	2.902	-0.006	94	54999	20.0	22.8	
19 Acetone	58	2.994	3.000	-0.006	90	22910	100.0	110.5	
20 Iodomethane	142	3.061	3.061	0.000	97	103549	20.0	22.6	
21 Carbon disulfide	76	3.085	3.091	-0.006	98	173638	20.0	18.5	
22 Isopropyl alcohol	45	3.097	3.091	0.006	56	22998	200.0	194.0	
23 3-Chloro-1-propene	76	3.225	3.225	0.000	90	35965	20.0	19.3	
24 Methyl acetate	43	3.238	3.244	-0.006	96	164605	100.0	81.4	
25 Cyclopentene	67	3.238	3.244	-0.006	82	134954	NC	NC	
26 Acetonitrile	41	3.299	3.305	-0.007	97	54964	200.0	202.6	
27 Methylene Chloride	84	3.353	3.353	0.000	83	64481	20.0	20.9	
* 28 TBA-d9 (IS)	65	3.366	3.366	0.000	90	164121	1000.0	1000.0	
29 2-Methyl-2-propanol	59	3.433	3.433	0.000	91	45946	200.0	206.6	
30 Methyl tert-butyl ether	73	3.506	3.518	-0.012	96	149427	20.0	19.4	
31 trans-1,2-Dichloroethene	96	3.530	3.536	-0.006	92	65767	20.0	21.7	
32 Acrylonitrile	53	3.603	3.609	-0.006	94	203193	200.0	183.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Hexane	43	3.676	3.676	0.000	87	38805	20.0	15.7	
34 Isopropyl ether	45	3.878	3.878	0.000	94	151033	20.0	16.1	
35 1,1-Dichloroethane	63	3.902	3.902	0.000	99	102940	20.0	19.5	
36 Vinyl acetate	86	3.914	3.920	-0.006	99	23225	40.0	38.0	
37 2-Chloro-1,3-butadiene	88	3.939	3.945	-0.006	86	58641	NC	NC	
38 Tert-butyl ethyl ether	59	4.152	4.158	-0.006	90	155853	NC	NC	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	95	195782	250.0	250.0	
40 2,2-Dichloropropane	97	4.341	4.353	-0.012	91	19608	20.0	17.8	
41 cis-1,2-Dichloroethene	96	4.353	4.359	-0.006	99	76267	20.0	21.9	
42 Ethyl acetate	70	4.371	4.371	0.000	94	11903	40.0	56.3	
43 2-Butanone (MEK)	72	4.371	4.378	-0.007	97	32904	100.0	134.4	
44 Methyl acrylate	55	4.414	4.420	-0.006	57	45455	NC	NC	
45 Propionitrile	54	4.481	4.487	-0.006	99	74511	NC	NC	
47 Tetrahydrofuran	72	4.542	4.542	0.000	59	14573	40.0	52.2	
46 Chlorobromomethane	128	4.542	4.542	0.000	82	38789	20.0	24.2	
48 Methacrylonitrile	67	4.567	4.567	0.000	87	245531	NC	NC	
49 Chloroform	83	4.585	4.585	0.000	98	103973	20.0	20.6	
50 Cyclohexane	56	4.695	4.695	0.000	86	86034	20.0	16.9	
51 1,1,1-Trichloroethane	97	4.707	4.707	0.000	97	78360	20.0	19.7	
$ 52 Dibromofluoromethane (Surr	113	4.713	4.713	0.000	98	136724	50.0	52.9	
54 Carbon tetrachloride	117	4.798	4.798	0.000	97	68011	20.0	19.9	
55 1,1-Dichloropropene	75	4.817	4.823	-0.007	98	79954	20.0	20.4	
56 Isobutyl alcohol	43	4.920	4.920	0.000	95	60274	NC	NC	
57 Isooctane	57	4.945	4.951	-0.006	98	162756	NC	NC	
58 Benzene	78	4.975	4.981	-0.006	95	240920	20.0	19.6	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.993	-0.006	95	129755	50.0	45.8	
60 Isopropyl acetate	43	5.018	5.018	0.000	96	137326	20.0	16.0	
61 Tert-amyl methyl ether	73	5.024	5.024	0.000	90	192226	NC	NC	
62 1,2-Dichloroethane	62	5.048	5.048	0.000	96	66238	20.0	19.0	
63 n-Heptane	71	5.085	5.085	0.000	86	49073	20.0	19.3	
* 64 Fluorobenzene	96	5.194	5.194	0.000	99	487642	50.0	50.0	
65 n-Butanol	56	5.408	5.414	-0.006	82	29421	500.0	512.6	
66 Trichloroethene	95	5.457	5.457	0.000	95	62465	20.0	21.1	
67 Ethyl acrylate	56	5.554	5.548	0.006	98	32942	20.0	18.4	
68 Methylcyclohexane	83	5.554	5.554	0.000	90	96863	20.0	19.7	
69 1,2-Dichloropropane	63	5.682	5.682	0.000	93	59304	20.0	19.5	
* 71 1,4-Dioxane-d8	96	5.725	5.719	0.006	37	23388	1000.0	1000.0	
70 Methyl methacrylate	100	5.725	5.731	-0.006	80	33505	40.0	44.8	
73 1,4-Dioxane	88	5.768	5.768	0.000	28	12282	400.0	440.7	
72 n-Propyl acetate	43	5.768	5.768	0.000	95	62960	20.0	16.6	
74 Dibromomethane	93	5.786	5.786	0.000	95	41183	20.0	22.5	
75 Dichlorobromomethane	83	5.896	5.902	-0.006	98	73379	20.0	19.9	
76 2-Chloroethyl vinyl ether	63	6.164	6.164	0.000	91	34892	20.0	20.6	
77 2-Nitropropane	41	6.176	6.176	0.000	80	17602	NC	NC	
78 Epichlorohydrin	57	6.267	6.267	0.000	98	100729	400.0	502.1	
79 cis-1,3-Dichloropropene	75	6.316	6.316	0.000	86	95721	20.0	19.8	
80 4-Methyl-2-pentanone (MIBK	43	6.450	6.450	0.000	92	221724	100.0	106.5	
$ 81 Toluene-d8 (Surr)	98	6.530	6.530	0.000	99	508297	50.0	50.6	
82 Toluene	91	6.591	6.591	0.000	93	258853	20.0	19.9	
83 trans-1,3-Dichloropropene	75	6.841	6.840	0.000	98	80223	20.0	19.3	
84 Ethyl methacrylate	69	6.847	6.847	0.000	83	69796	NC	NC	
85 1,1,2-Trichloroethane	83	6.987	6.993	-0.006	96	47481	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
86 Tetrachloroethene	166	7.029	7.029	0.000	96	69489	20.0	22.4	
87 1,3-Dichloropropane	76	7.133	7.133	0.000	86	91021	20.0	21.0	
88 2-Hexanone	43	7.158	7.157	0.001	91	150163	100.0	111.8	
89 n-Butyl acetate	73	7.218	7.218	0.000	95	16221	20.0	19.4	
90 Chlorodibromomethane	129	7.279	7.279	0.000	97	62607	20.0	21.6	
91 Ethylene Dibromide	107	7.377	7.377	0.000	98	58953	20.0	22.3	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	83	367267	50.0	50.0	
93 Chlorobenzene	112	7.700	7.700	0.000	97	182880	20.0	22.4	
94 Ethylbenzene	106	7.749	7.749	0.000	97	92036	20.0	20.4	
95 1,1,1,2-Tetrachloroethane	131	7.761	7.761	0.000	95	60804	20.0	20.5	
96 m-Xylene & p-Xylene	106	7.828	7.828	0.000	98	118334	20.0	20.9	
97 n-Butyl acrylate	73	8.054	8.054	0.000	99	47099	20.0	17.6	
98 o-Xylene	106	8.090	8.090	0.000	95	116596	20.0	20.3	
99 Styrene	104	8.109	8.109	0.000	97	198388	20.0	20.0	
100 Amyl acetate (mixed isomer	43	8.194	8.194	0.000	93	95147	20.0	14.7	
101 Bromoform	173	8.243	8.249	-0.006	98	43260	20.0	20.0	
102 Isopropylbenzene	105	8.304	8.304	0.000	94	290254	20.0	19.3	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	96	183695	50.0	51.8	
104 Bromobenzene	156	8.523	8.523	0.000	92	87278	20.0	22.3	
105 1,1,2,2-Tetrachloroethane	83	8.529	8.529	0.000	99	81284	20.0	19.3	
106 N-Propylbenzene	91	8.547	8.547	0.000	99	347531	20.0	18.7	
107 1,2,3-Trichloropropane	110	8.566	8.566	0.000	97	23266	20.0	20.4	
108 trans-1,4-Dichloro-2-buten	53	8.566	8.572	-0.006	69	7274	NC	NC	
109 4-Ethyltoluene	105	8.615	8.615	0.000	98	298848	NC	NC	
110 2-Chlorotoluene	91	8.621	8.627	-0.006	96	236588	20.0	18.8	
111 1,3,5-Trimethylbenzene	105	8.651	8.651	0.000	94	243705	20.0	19.0	
113 4-Chlorotoluene	91	8.688	8.694	-0.006	97	219977	20.0	20.0	
112 Butyl Methacrylate	87	8.688	8.694	-0.006	91	83458	20.0	16.8	
114 tert-Butylbenzene	119	8.828	8.834	-0.006	96	213701	20.0	20.6	
115 1,2,4-Trimethylbenzene	105	8.865	8.871	-0.007	96	253273	20.0	19.0	
116 sec-Butylbenzene	105	8.950	8.956	-0.006	99	311638	20.0	20.0	
117 4-Isopropyltoluene	119	9.029	9.035	-0.006	98	269447	20.0	19.7	
118 1,3-Dichlorobenzene	146	9.047	9.053	-0.006	98	162577	20.0	21.2	
* 119 1,4-Dichlorobenzene-d4	152	9.084	9.090	-0.006	94	220807	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.102	9.102	0.000	96	165595	20.0	21.5	
136 1,2,3-Trimethylbenzene	105	9.102	9.108	-0.006	0	258876	20.0	19.2	
121 Benzyl chloride	91	9.182	9.188	-0.006	99	139106	20.0	16.2	
122 2,3-Dihydroindene	117	9.224	9.230	-0.006	92	289830	NC	NC	
123 p-Diethylbenzene	119	9.242	9.249	-0.007	95	161935	NC	NC	
124 n-Butylbenzene	92	9.255	9.261	-0.006	95	134494	20.0	19.3	
125 1,2-Dichlorobenzene	146	9.322	9.328	-0.006	98	150536	20.0	20.7	
126 1,2,4,5-Tetramethylbenzene	119	9.718	9.724	-0.006	98	217802	NC	NC	
127 1,2-Dibromo-3-Chloropropan	75	9.809	9.816	-0.007	91	10091	20.0	13.1	
128 1,3,5-Trichlorobenzene	180	9.907	9.913	-0.006	97	88409	NC	NC	
129 1,2,4-Trichlorobenzene	180	10.370	10.376	-0.006	94	65993	20.0	13.1	
130 Hexachlorobutadiene	225	10.443	10.450	-0.007	98	36954	20.0	15.9	
131 Naphthalene	128	10.584	10.590	-0.006	99	150144	20.0	12.7	
132 1,2,3-Trichlorobenzene	180	10.785	10.797	-0.012	96	43307	20.0	10.7	
S 133 1,2-Dichloroethene, Total	100				0		40.0	43.5	
S 134 Xylenes, Total	100				0		40.0	41.2	
S 135 Total BTEX	1				0		100.0	101.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

GASES Li_00227	Amount Added:	20.00	Units: uL	
ACROLEIN W_00068	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00062	Amount Added:	20.00	Units: uL	
8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00159	Amount Added:	1.00	Units: uL	Run Reagent

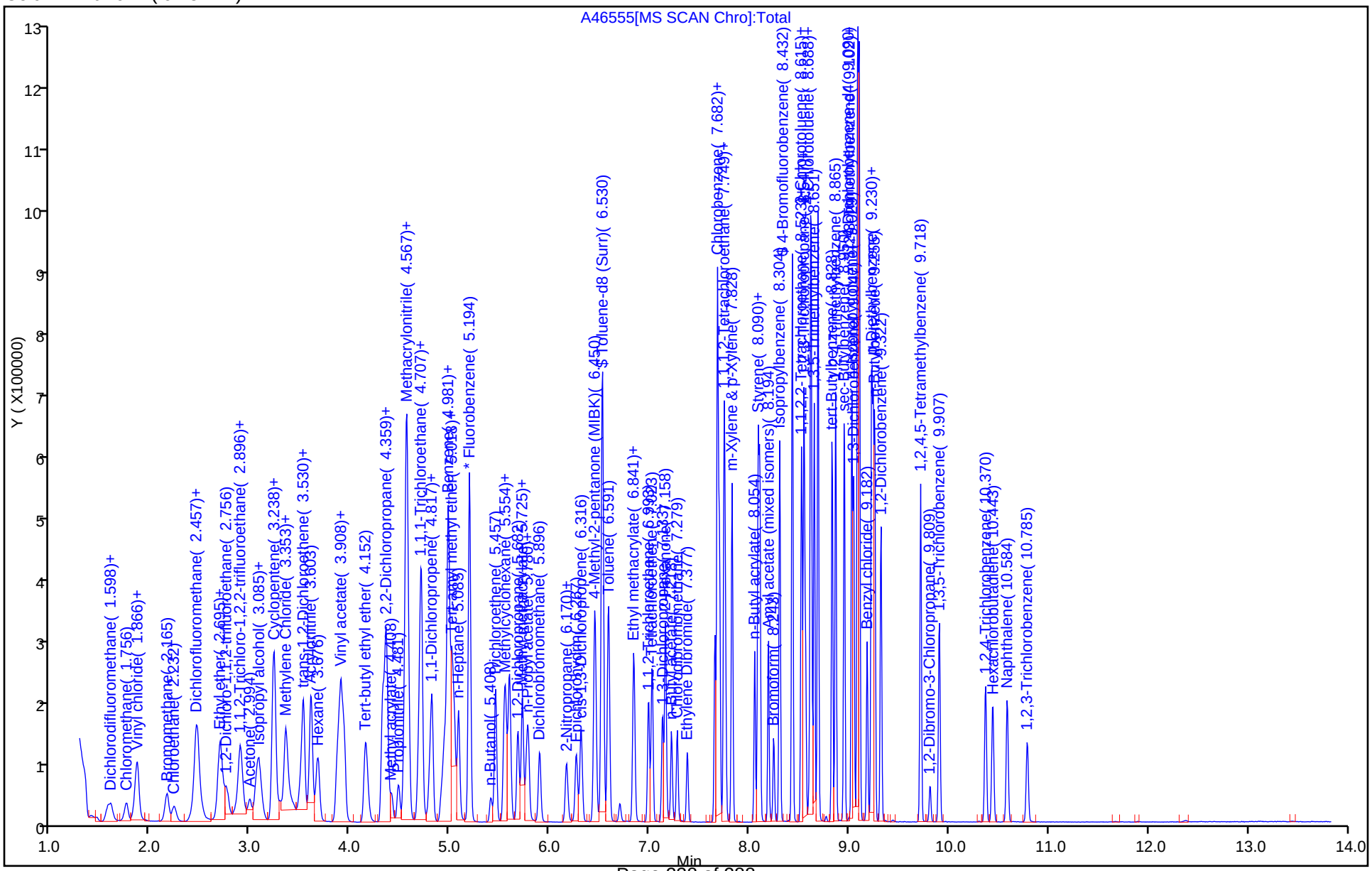
Report Date: 30-Sep-2017 13:11:45 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46555.D

Injection Date:	30-Sep-2017 08:31:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-466535/5

Matrix: Water | Lab File ID: A46711.D

Analysis Method: 624 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/03/2017 07:39

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.: 466535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.3		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	20.0		1.0	0.080
75-34-3	1,1-Dichloroethane	19.8		1.0	0.24
75-35-4	1,1-Dichloroethene	23.0		1.0	0.34
107-06-2	1,2-Dichloroethane	20.0		1.0	0.25
78-87-5	1,2-Dichloropropane	19.2		1.0	0.18
123-91-1	1,4-Dioxane	407		50	8.7
78-93-3	2-Butanone	133		5.0	2.2
591-78-6	2-Hexanone	110		5.0	0.72
108-10-1	MIBK	106		5.0	0.63
67-64-1	Acetone	108		5.0	1.1
71-43-2	Benzene	19.7		1.0	0.090
75-27-4	Bromodichloromethane	19.9		1.0	0.15
75-25-2	Bromoform	18.2		1.0	0.18
74-83-9	Bromomethane	23.5		1.0	0.18
75-15-0	Carbon disulfide	19.9		1.0	0.22
56-23-5	Carbon tetrachloride	21.9		1.0	0.33
108-90-7	Chlorobenzene	21.8		1.0	0.24
75-00-3	Chloroethane	20.5		1.0	0.37
67-66-3	Chloroform	21.2		1.0	0.22
74-87-3	Chloromethane	15.4		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	21.5		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	18.3		1.0	0.16
124-48-1	Dibromochloromethane	20.2		1.0	0.22
100-41-4	Ethylbenzene	20.6		1.0	0.30
75-09-2	Methylene Chloride	21.0		1.0	0.21
100-42-5	Styrene	19.4		1.0	0.17
127-18-4	Tetrachloroethene	22.1		1.0	0.12
108-88-3	Toluene	19.5		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	21.8		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	17.4		1.0	0.19
79-01-6	Trichloroethene	21.6		1.0	0.22
75-01-4	Vinyl chloride	18.5		1.0	0.060
1330-20-7	Xylenes, Total	39.7		2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-466535/5

Matrix: Water Lab File ID: A46711.D

Analysis Method: 624 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/03/2017 07:39

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.: 466535 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		48-130
460-00-4	Bromofluorobenzene	109		71-131
2037-26-5	Toluene-d8 (Surr)	106		80-120
1868-53-7	Dibromofluoromethane (Surr)	117		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\A46711.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 03-Oct-2017 07:39:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0061236-005
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 03-Oct-2017 14:39:30 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: delpolitov Date: 03-Oct-2017 14:39:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.561	1.567	-0.006	85	5142	NC	NC	
3 Dichlorodifluoromethane	85	1.592	1.598	-0.006	98	38265	20.0	19.0	
4 Chloromethane	50	1.744	1.756	-0.012	98	31406	20.0	15.4	
6 Butadiene	54	1.848	1.860	-0.012	80	40368	20.0	20.8	
5 Vinyl chloride	62	1.854	1.860	-0.006	97	37715	20.0	18.5	
7 Bromomethane	94	2.159	2.158	0.001	99	29381	20.0	23.5	
8 Chloroethane	64	2.232	2.232	0.000	99	22777	20.0	20.5	
10 Dichlorofluoromethane	67	2.445	2.451	-0.006	98	54882	NC	NC	
9 Trichlorofluoromethane	101	2.451	2.457	-0.006	60	54502	20.0	25.1	
11 Pentane	72	2.463	2.457	0.006	94	13916	40.0	45.7	
13 Ethyl ether	59	2.671	2.677	-0.006	92	28168	20.0	18.3	
12 Ethanol	46	2.665	2.689	-0.024	69	4017	800.0	532.8	
14 2-Methyl-1,3-butadiene	53	2.695	2.695	0.000	93	29222	20.0	19.1	
15 1,2-Dichloro-1,1,2-trifluo	117	2.750	2.750	0.000	93	32805	NC	NC	
16 Acrolein	56	2.854	2.866	-0.012	94	4500	40.0	39.5	
17 1,1,2-Trichloro-1,2,2-trif	101	2.884	2.890	-0.006	98	37073	20.0	23.6	
18 1,1-Dichloroethene	96	2.890	2.896	-0.006	96	38135	20.0	23.0	
19 Acetone	58	2.988	2.994	-0.006	89	16290	100.0	107.8	
20 Iodomethane	142	3.055	3.061	-0.006	98	72440	20.0	23.0	
21 Carbon disulfide	76	3.079	3.091	-0.012	98	128483	20.0	19.9	
22 Isopropyl alcohol	45	3.091	3.091	0.000	54	16717	200.0	187.1	
23 3-Chloro-1-propene	76	3.219	3.225	-0.006	89	22703	20.0	17.7	
24 Methyl acetate	43	3.238	3.238	0.000	96	118313	100.0	85.2	
25 Cyclopentene	67	3.238	3.238	0.000	83	96933	NC	NC	
26 Acetonitrile	41	3.299	3.298	0.001	98	45013	200.0	220.1	
27 Methylene Chloride	84	3.347	3.353	-0.006	86	44519	20.0	21.0	
* 28 TBA-d9 (IS)	65	3.366	3.359	0.007	97	123711	1000.0	1000.0	
29 2-Methyl-2-propanol	59	3.427	3.433	-0.006	91	33390	200.0	199.2	
30 Methyl tert-butyl ether	73	3.512	3.506	0.006	96	101139	20.0	19.1	
31 trans-1,2-Dichloroethene	96	3.524	3.530	-0.006	91	45500	20.0	21.8	
32 Acrylonitrile	53	3.603	3.603	0.000	94	147062	200.0	193.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Hexane	43	3.677	3.676	0.001	88	28797	20.0	17.0	
34 Isopropyl ether	45	3.872	3.878	-0.006	95	105515	20.0	16.3	
35 1,1-Dichloroethane	63	3.902	3.902	0.000	99	71806	20.0	19.8	
36 Vinyl acetate	86	3.914	3.914	0.000	99	15804	40.0	37.7	
37 2-Chloro-1,3-butadiene	88	3.939	3.939	0.000	87	40038	NC	NC	
38 Tert-butyl ethyl ether	59	4.152	4.158	-0.006	90	104580	NC	NC	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	95	142654	250.0	250.0	
40 2,2-Dichloropropane	97	4.341	4.347	-0.006	86	14161	20.0	18.7	
41 cis-1,2-Dichloroethene	96	4.353	4.353	0.000	99	51545	20.0	21.5	
43 2-Butanone (MEK)	72	4.372	4.371	0.001	97	23629	100.0	132.5	
42 Ethyl acetate	70	4.366	4.371	-0.005	93	8080	40.0	52.3	
44 Methyl acrylate	55	4.414	4.414	0.000	98	30342	NC	NC	
45 Propionitrile	54	4.481	4.481	0.000	99	55036	NC	NC	
47 Tetrahydrofuran	72	4.542	4.542	0.000	58	10040	40.0	49.4	
46 Chlorobromomethane	128	4.542	4.542	0.000	82	25577	20.0	23.3	
48 Methacrylonitrile	67	4.561	4.567	-0.006	86	172256	NC	NC	
49 Chloroform	83	4.585	4.585	0.000	98	73374	20.0	21.2	
50 Cyclohexane	56	4.689	4.688	0.001	87	63621	20.0	18.2	
51 1,1,1-Trichloroethane	97	4.707	4.707	0.000	98	58031	20.0	21.3	
$ 52 Dibromofluoromethane (Surr	113	4.707	4.713	-0.006	98	103629	50.0	58.4	
54 Carbon tetrachloride	117	4.798	4.798	0.000	97	51499	20.0	21.9	
55 1,1-Dichloropropene	75	4.817	4.823	-0.006	98	57042	20.0	21.2	
56 Isobutyl alcohol	43	4.914	4.920	-0.006	94	50779	NC	NC	
57 Isooctane	57	4.945	4.945	0.000	99	124155	NC	NC	
58 Benzene	78	4.975	4.975	0.000	95	166124	20.0	19.7	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	96	103278	50.0	53.1	
60 Isopropyl acetate	43	5.012	5.012	0.000	96	101098	20.0	17.1	
61 Tert-amyl methyl ether	73	5.024	5.018	0.006	91	118696	NC	NC	
62 1,2-Dichloroethane	62	5.042	5.048	-0.006	96	47903	20.0	20.0	
63 n-Heptane	71	5.085	5.085	0.000	86	34344	20.0	19.6	
* 64 Fluorobenzene	96	5.195	5.194	0.001	99	334768	50.0	50.0	
65 n-Butanol	56	5.408	5.408	0.000	85	20872	500.0	482.5	
66 Trichloroethene	95	5.451	5.457	-0.006	98	43972	20.0	21.6	
67 Ethyl acrylate	56	5.554	5.548	0.006	98	24096	20.0	19.6	
68 Methylcyclohexane	83	5.554	5.554	0.000	93	71049	20.0	21.0	
69 1,2-Dichloropropane	63	5.682	5.682	0.000	94	40073	20.0	19.2	
* 71 1,4-Dioxane-d8	96	5.719	5.719	0.000	39	18115	1000.0	1000.0	
70 Methyl methacrylate	100	5.725	5.725	0.000	82	21362	40.0	41.6	
73 1,4-Dioxane	88	5.768	5.761	0.007	31	8775	400.0	406.5	
72 n-Propyl acetate	43	5.768	5.768	0.000	95	44695	20.0	17.1	
74 Dibromomethane	93	5.780	5.780	0.000	95	28313	20.0	22.5	
75 Dichlorobromomethane	83	5.896	5.896	0.000	98	50330	20.0	19.9	
76 2-Chloroethyl vinyl ether	63	6.170	6.164	0.006	90	22534	20.0	19.4	
77 2-Nitropropane	41	6.176	6.176	0.000	85	12915	NC	NC	
78 Epichlorohydrin	57	6.268	6.267	0.001	97	73449	400.0	502.5	
79 cis-1,3-Dichloropropene	75	6.310	6.316	-0.006	87	60869	20.0	18.3	
80 4-Methyl-2-pentanone (MIBK	43	6.450	6.450	0.000	93	161265	100.0	106.3	
$ 81 Toluene-d8 (Surr)	98	6.524	6.523	0.001	100	365946	50.0	53.1	
82 Toluene	91	6.591	6.591	0.000	93	173691	20.0	19.5	
83 trans-1,3-Dichloropropene	75	6.835	6.834	0.001	97	49638	20.0	17.4	
84 Ethyl methacrylate	69	6.847	6.847	0.000	84	46702	NC	NC	
85 1,1,2-Trichloroethane	83	6.987	6.987	0.000	96	32148	20.0	20.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 Tetrachloroethene	166	7.024	7.029	-0.005	96	47164	20.0	22.1	
87 1,3-Dichloropropane	76	7.127	7.133	-0.006	88	62107	20.0	20.9	
88 2-Hexanone	43	7.158	7.158	0.000	93	108107	100.0	110.4	
89 n-Butyl acetate	73	7.219	7.218	0.001	95	10807	20.0	18.9	
90 Chlorodibromomethane	129	7.273	7.279	-0.006	97	40158	20.0	20.2	
91 Ethylene Dibromide	107	7.377	7.377	0.000	99	38759	20.0	21.4	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	83	251736	50.0	50.0	
93 Chlorobenzene	112	7.700	7.700	0.000	97	122468	20.0	21.8	
94 Ethylbenzene	106	7.749	7.749	0.000	97	63670	20.0	20.6	
95 1,1,1,2-Tetrachloroethane	131	7.761	7.761	0.000	97	41032	20.0	20.2	
96 m-Xylene & p-Xylene	106	7.828	7.828	0.000	98	76931	20.0	19.8	
97 n-Butyl acrylate	73	8.054	8.054	0.000	98	32139	20.0	17.5	
98 o-Xylene	106	8.090	8.090	0.000	95	78188	20.0	19.9	
99 Styrene	104	8.103	8.109	-0.006	97	131690	20.0	19.4	
100 Amyl acetate (mixed isomer	43	8.194	8.188	0.006	93	64933	20.0	14.2	
101 Bromoform	173	8.243	8.243	0.000	98	26926	20.0	18.2	
102 Isopropylbenzene	105	8.304	8.304	0.000	95	197837	20.0	19.1	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	95	132186	50.0	54.3	
104 Bromobenzene	156	8.523	8.523	0.000	95	56629	20.0	20.6	
105 1,1,2,2-Tetrachloroethane	83	8.529	8.529	0.000	99	56928	20.0	19.2	
106 N-Propylbenzene	91	8.554	8.547	0.007	100	237382	20.0	18.2	
107 1,2,3-Trichloropropane	110	8.566	8.566	0.000	97	16601	20.0	20.6	
108 trans-1,4-Dichloro-2-buten	53	8.566	8.566	0.000	65	3023	NC	NC	
109 4-Ethyltoluene	105	8.621	8.615	0.006	98	209065	NC	NC	
110 2-Chlorotoluene	91	8.627	8.621	0.006	97	166578	20.0	18.8	
111 1,3,5-Trimethylbenzene	105	8.657	8.651	0.006	94	166019	20.0	18.4	
113 4-Chlorotoluene	91	8.694	8.688	0.006	96	149805	20.0	19.3	
112 Butyl Methacrylate	87	8.694	8.694	0.000	83	58068	20.0	16.6	
114 tert-Butylbenzene	119	8.834	8.834	0.000	96	145690	20.0	19.9	
115 1,2,4-Trimethylbenzene	105	8.871	8.864	0.007	96	174471	20.0	18.5	
116 sec-Butylbenzene	105	8.962	8.956	0.006	99	216405	20.0	19.7	
117 4-Isopropyltoluene	119	9.035	9.029	0.006	98	187393	20.0	19.5	
118 1,3-Dichlorobenzene	146	9.054	9.047	0.007	98	111206	20.0	20.6	
* 119 1,4-Dichlorobenzene-d4	152	9.096	9.090	0.006	93	155773	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.108	9.102	0.006	96	114952	20.0	21.2	
136 1,2,3-Trimethylbenzene	105	9.115	9.108	0.007	0	180485	20.0	18.9	
121 Benzyl chloride	91	9.188	9.181	0.007	99	98366	20.0	16.3	
122 2,3-Dihydroindene	117	9.237	9.230	0.007	94	205345	NC	NC	
123 p-Diethylbenzene	119	9.249	9.242	0.007	92	116773	NC	NC	
124 n-Butylbenzene	92	9.267	9.261	0.006	98	100701	20.0	20.5	
125 1,2-Dichlorobenzene	146	9.328	9.322	0.006	98	107209	20.0	20.9	
126 1,2,4,5-Tetramethylbenzene	119	9.730	9.718	0.012	98	158833	NC	NC	
127 1,2-Dibromo-3-Chloropropan	75	9.822	9.816	0.006	92	8406	20.0	15.4	
128 1,3,5-Trichlorobenzene	180	9.913	9.907	0.006	97	75257	NC	NC	
129 1,2,4-Trichlorobenzene	180	10.383	10.370	0.013	92	63714	20.0	17.9	
130 Hexachlorobutadiene	225	10.456	10.443	0.013	97	33147	20.0	20.2	
131 Naphthalene	128	10.596	10.590	0.006	99	135117	20.0	16.2	
132 1,2,3-Trichlorobenzene	180	10.797	10.791	0.006	96	49876	20.0	17.5	
S 133 1,2-Dichloroethene, Total	100				0		40.0	43.4	
S 134 Xylenes, Total	100				0		40.0	39.7	
S 135 Total BTEX	1				0		100.0	99.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

GASES Li_00227	Amount Added:	20.00	Units: uL	
ACROLEIN W_00068	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00062	Amount Added:	20.00	Units: uL	
8260SURR250_00159	Amount Added:	1.00	Units: uL	Run Reagent
8260ISNEW_00118	Amount Added:	1.00	Units: uL	Run Reagent

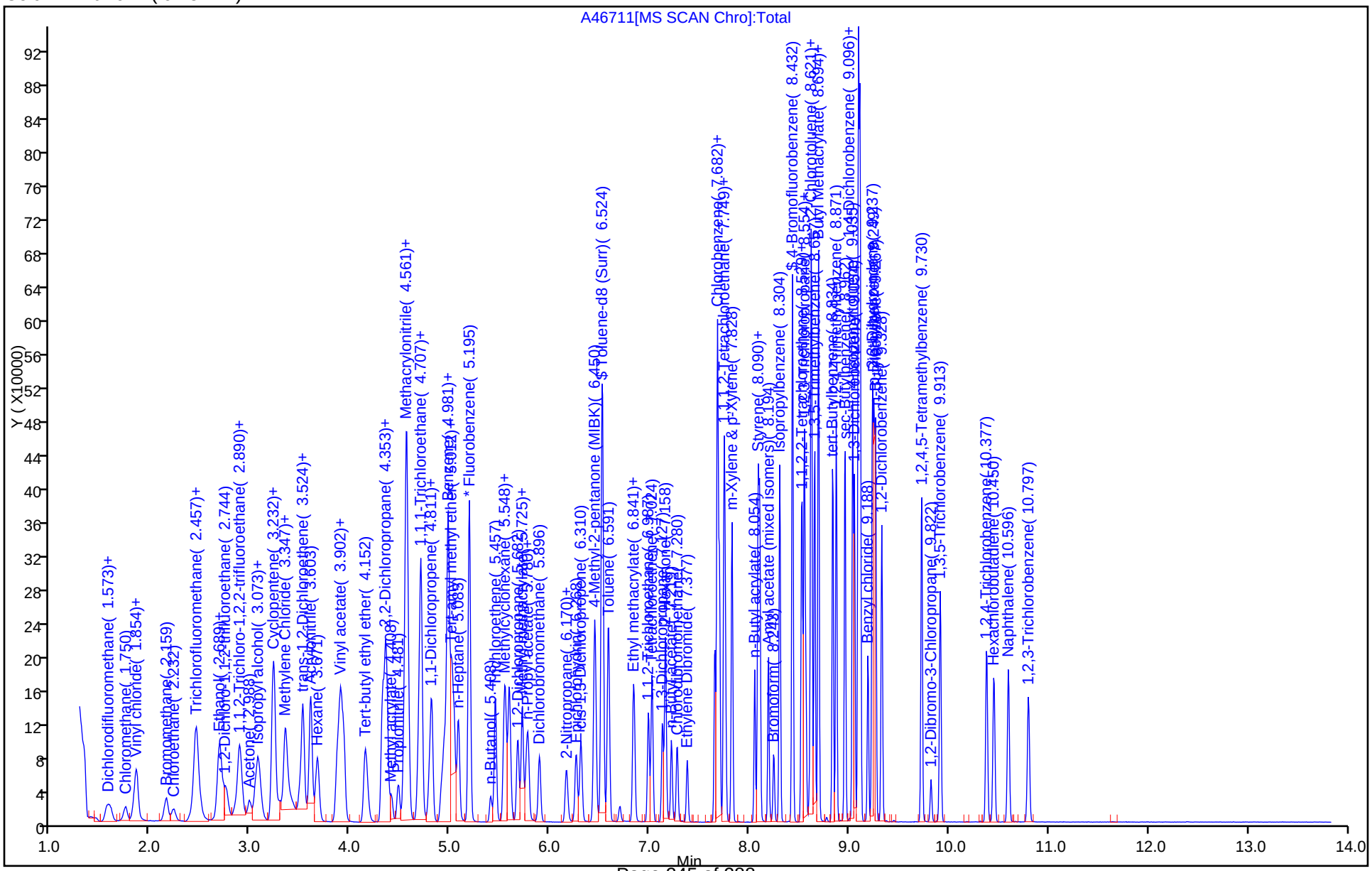
Report Date: 03-Oct-2017 14:39:31 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\A46711.D

Injection Date:	03-Oct-2017 07:39:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-466535/60

Matrix: Water | Lab File ID: A46733.D

Analysis Method: 624 | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/03/2017 16:09

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.: 466535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.5		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	19.0		1.0	0.19
79-00-5	1,1,2-Trichloroethane	19.9		1.0	0.080
75-34-3	1,1-Dichloroethane	20.5		1.0	0.24
75-35-4	1,1-Dichloroethene	23.8		1.0	0.34
107-06-2	1,2-Dichloroethane	20.2		1.0	0.25
78-87-5	1,2-Dichloropropane	18.7		1.0	0.18
123-91-1	1,4-Dioxane	423		50	8.7
78-93-3	2-Butanone	128		5.0	2.2
591-78-6	2-Hexanone	103		5.0	0.72
108-10-1	MIBK	107		5.0	0.63
67-64-1	Acetone	111		5.0	1.1
71-43-2	Benzene	20.2		1.0	0.090
75-27-4	Bromodichloromethane	19.3		1.0	0.15
75-25-2	Bromoform	18.8		1.0	0.18
74-83-9	Bromomethane	25.8		1.0	0.18
75-15-0	Carbon disulfide	19.7		1.0	0.22
56-23-5	Carbon tetrachloride	22.2		1.0	0.33
108-90-7	Chlorobenzene	21.6		1.0	0.24
75-00-3	Chloroethane	22.2		1.0	0.37
67-66-3	Chloroform	22.1		1.0	0.22
74-87-3	Chloromethane	15.6		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	22.2		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	16.7		1.0	0.16
124-48-1	Dibromochloromethane	20.2		1.0	0.22
100-41-4	Ethylbenzene	20.5		1.0	0.30
75-09-2	Methylene Chloride	22.3		1.0	0.21
100-42-5	Styrene	19.7		1.0	0.17
127-18-4	Tetrachloroethene	21.6		1.0	0.12
108-88-3	Toluene	19.3		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	22.6		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	15.9		1.0	0.19
79-01-6	Trichloroethene	21.0		1.0	0.22
75-01-4	Vinyl chloride	18.5		1.0	0.060
1330-20-7	Xylenes, Total	40.3		2.0	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-466535/60

Matrix: Water Lab File ID: A46733.D

Analysis Method: 624 Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/03/2017 16:09

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.: 466535 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		48-130
460-00-4	Bromofluorobenzene	107		71-131
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	116		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\A46733.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 03-Oct-2017 16:09:30 ALS Bottle#: 19 Worklist Smp#: 60
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0061236-060
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 03-Oct-2017 16:48:32 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: delpolitov Date: 03-Oct-2017 16:48:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.543	1.567	-0.024	86	4487	NC	NC	
3 Dichlorodifluoromethane	85	1.585	1.598	-0.013	99	31823	20.0	17.4	
4 Chloromethane	50	1.738	1.756	-0.018	98	28803	20.0	15.6	
6 Butadiene	54	1.848	1.860	-0.012	81	36534	20.0	20.8	
5 Vinyl chloride	62	1.854	1.860	-0.006	97	34117	20.0	18.5	
7 Bromomethane	94	2.152	2.158	-0.006	99	29192	20.0	25.8	
8 Chloroethane	64	2.213	2.232	-0.019	98	22338	20.0	22.2	
10 Dichlorofluoromethane	67	2.439	2.451	-0.012	99	54190	NC	NC	
9 Trichlorofluoromethane	101	2.451	2.457	-0.006	89	50492	20.0	25.7	
11 Pentane	72	2.451	2.457	-0.006	96	12426	40.0	45.1	
13 Ethyl ether	59	2.664	2.677	-0.013	93	26616	20.0	19.2	
12 Ethanol	46	2.652	2.689	-0.037	72	3497	800.0	532.4	
14 2-Methyl-1,3-butadiene	53	2.683	2.695	-0.012	93	26463	20.0	19.1	
15 1,2-Dichloro-1,1,2-trifluo	117	2.750	2.750	0.000	82	31403	NC	NC	
16 Acrolein	56	2.853	2.866	-0.013	56	7162	40.0	72.1	
17 1,1,2-Trichloro-1,2,2-trif	101	2.878	2.890	-0.012	51	35126	20.0	24.7	
18 1,1-Dichloroethene	96	2.884	2.896	-0.012	96	35689	20.0	23.8	
19 Acetone	58	2.988	2.994	-0.006	89	14271	100.0	111.4	
20 Iodomethane	142	3.049	3.061	-0.013	97	68333	20.0	24.0	
21 Carbon disulfide	76	3.079	3.091	-0.012	98	115027	20.0	19.7	
22 Isopropyl alcohol	45	3.097	3.091	0.006	53	14464	200.0	185.8	
23 3-Chloro-1-propene	76	3.207	3.225	-0.018	89	18995	20.0	16.4	
24 Methyl acetate	43	3.231	3.238	-0.007	97	111732	100.0	88.9	
25 Cyclopentene	67	3.225	3.238	-0.013	81	86164	NC	NC	
26 Acetonitrile	41	3.298	3.298	0.000	97	39350	200.0	220.8	
27 Methylene Chloride	84	3.347	3.353	-0.006	86	42802	20.0	22.3	
* 28 TBA-d9 (IS)	65	3.353	3.359	-0.006	91	107779	1000.0	1000.0	
29 2-Methyl-2-propanol	59	3.426	3.433	-0.007	91	28498	200.0	195.1	
30 Methyl tert-butyl ether	73	3.500	3.506	-0.006	97	90977	20.0	19.0	
31 trans-1,2-Dichloroethene	96	3.518	3.530	-0.012	92	42697	20.0	22.6	
32 Acrylonitrile	53	3.597	3.603	-0.006	94	134540	200.0	195.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Hexane	43	3.664	3.676	-0.012	88	25634	20.0	16.7	
34 Isopropyl ether	45	3.872	3.878	-0.006	93	95453	20.0	16.3	
35 1,1-Dichloroethane	63	3.896	3.902	-0.006	99	67285	20.0	20.5	
36 Vinyl acetate	86	3.908	3.914	-0.006	99	13455	40.0	35.4	
37 2-Chloro-1,3-butadiene	88	3.932	3.939	-0.007	88	37479	NC	NC	
38 Tert-butyl ethyl ether	59	4.152	4.158	-0.006	91	92556	NC	NC	
* 39 2-Butanone-d5	46	4.317	4.323	-0.006	90	120919	250.0	250.0	
40 2,2-Dichloropropane	97	4.341	4.347	-0.006	70	12446	20.0	18.1	
41 cis-1,2-Dichloroethene	96	4.347	4.353	-0.006	99	48005	20.0	22.2	
43 2-Butanone (MEK)	72	4.365	4.371	-0.006	97	19378	100.0	128.2	
42 Ethyl acetate	70	4.365	4.371	-0.006	93	6677	40.0	51.0	
44 Methyl acrylate	55	4.408	4.414	-0.006	100	24940	NC	NC	
45 Propionitrile	54	4.481	4.481	0.000	99	46933	NC	NC	
47 Tetrahydrofuran	72	4.536	4.542	-0.006	55	8966	40.0	52.0	
46 Chlorobromomethane	128	4.536	4.542	-0.006	85	24251	20.0	24.4	
48 Methacrylonitrile	67	4.560	4.567	-0.007	87	147323	NC	NC	
49 Chloroform	83	4.579	4.585	-0.006	99	69430	20.0	22.1	
50 Cyclohexane	56	4.688	4.688	0.000	86	57917	20.0	18.3	
51 1,1,1-Trichloroethane	97	4.701	4.707	-0.006	86	53093	20.0	21.5	
$ 52 Dibromofluoromethane (Surr	113	4.707	4.713	-0.006	98	92790	50.0	57.8	
54 Carbon tetrachloride	117	4.792	4.798	-0.006	97	47201	20.0	22.2	
55 1,1-Dichloropropene	75	4.816	4.823	-0.007	98	49959	20.0	20.5	
56 Isobutyl alcohol	43	4.926	4.920	0.006	91	38317	NC	NC	
57 Isooctane	57	4.944	4.945	-0.001	97	105116	NC	NC	
58 Benzene	78	4.975	4.975	0.000	95	146876	20.0	20.2	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	96	89248	50.0	50.7	
60 Isopropyl acetate	43	5.012	5.012	0.000	96	88467	20.0	16.6	
61 Tert-amyl methyl ether	73	5.018	5.018	0.000	96	115272	NC	NC	
62 1,2-Dichloroethane	62	5.042	5.048	-0.006	97	43827	20.0	20.2	
63 n-Heptane	71	5.079	5.085	-0.006	85	30420	20.0	19.2	
* 64 Fluorobenzene	96	5.188	5.194	-0.006	99	302986	50.0	50.0	
65 n-Butanol	56	5.408	5.408	0.000	85	15536	500.0	412.2	
66 Trichloroethene	95	5.450	5.457	-0.007	97	38727	20.0	21.0	
67 Ethyl acrylate	56	5.548	5.548	0.000	97	21000	20.0	18.9	
68 Methylcyclohexane	83	5.554	5.554	0.000	93	63623	20.0	20.8	
69 1,2-Dichloropropane	63	5.676	5.682	-0.006	94	35400	20.0	18.7	
* 71 1,4-Dioxane-d8	96	5.719	5.719	0.000	34	15075	1000.0	1000.0	
70 Methyl methacrylate	100	5.725	5.725	0.000	80	17814	40.0	38.3	
73 1,4-Dioxane	88	5.761	5.761	0.000	28	7603	400.0	423.3	
72 n-Propyl acetate	43	5.761	5.768	-0.007	95	33719	20.0	14.3	
74 Dibromomethane	93	5.780	5.780	0.000	95	24758	20.0	21.8	
75 Dichlorobromomethane	83	5.896	5.896	0.000	99	44234	20.0	19.3	
76 2-Chloroethyl vinyl ether	63	6.164	6.164	0.000	90	17788	20.0	16.9	
77 2-Nitropropane	41	6.176	6.176	0.000	88	10909	NC	NC	
78 Epichlorohydrin	57	6.267	6.267	0.000	98	57957	400.0	467.8	
79 cis-1,3-Dichloropropene	75	6.310	6.316	-0.006	85	47711	20.0	16.7	
80 4-Methyl-2-pentanone (MIBK	43	6.450	6.450	0.000	94	136983	100.0	106.5	
$ 81 Toluene-d8 (Surr)	98	6.523	6.523	0.000	100	300999	50.0	50.7	
82 Toluene	91	6.584	6.591	-0.007	93	148039	20.0	19.3	
83 trans-1,3-Dichloropropene	75	6.834	6.834	0.000	97	39053	20.0	15.9	
84 Ethyl methacrylate	69	6.847	6.847	0.000	85	38116	NC	NC	
85 1,1,2-Trichloroethane	83	6.987	6.987	0.000	96	27613	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
86 Tetrachloroethene	166	7.023	7.029	-0.006	96	39713	20.0	21.6	
87 1,3-Dichloropropane	76	7.127	7.133	-0.006	88	51025	20.0	20.0	
88 2-Hexanone	43	7.157	7.158	-0.001	93	85419	100.0	102.9	
89 n-Butyl acetate	73	7.218	7.218	0.000	97	8626	20.0	17.5	
90 Chlorodibromomethane	129	7.273	7.279	-0.006	98	34570	20.0	20.2	
91 Ethylene Dibromide	107	7.377	7.377	0.000	99	32450	20.0	20.8	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	84	216743	50.0	50.0	
93 Chlorobenzene	112	7.700	7.700	0.000	97	104342	20.0	21.6	
94 Ethylbenzene	106	7.749	7.749	0.000	97	54578	20.0	20.5	
95 1,1,1,2-Tetrachloroethane	131	7.761	7.761	0.000	96	37352	20.0	21.3	
96 m-Xylene & p-Xylene	106	7.828	7.828	0.000	98	67467	20.0	20.2	
97 n-Butyl acrylate	73	8.054	8.054	0.000	98	26862	20.0	17.0	
98 o-Xylene	106	8.090	8.090	0.000	94	68212	20.0	20.1	
99 Styrene	104	8.102	8.109	-0.007	97	115636	20.0	19.7	
100 Amyl acetate (mixed isomer	43	8.194	8.188	0.006	93	56262	20.0	13.4	
101 Bromoform	173	8.243	8.243	0.000	98	23949	20.0	18.8	
102 Isopropylbenzene	105	8.304	8.304	0.000	95	172936	20.0	19.4	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	93	111594	50.0	53.3	
104 Bromobenzene	156	8.523	8.523	0.000	94	50176	20.0	19.7	
105 1,1,2,2-Tetrachloroethane	83	8.529	8.529	0.000	99	51910	20.0	19.0	
106 N-Propylbenzene	91	8.554	8.547	0.007	99	211320	20.0	17.5	
107 1,2,3-Trichloropropane	110	8.566	8.566	0.000	97	15068	20.0	20.3	
108 trans-1,4-Dichloro-2-buten	53	8.566	8.566	0.000	66	3130	NC	NC	
109 4-Ethyltoluene	105	8.621	8.615	0.006	98	181913	NC	NC	
110 2-Chlorotoluene	91	8.627	8.621	0.006	97	147803	20.0	18.0	
111 1,3,5-Trimethylbenzene	105	8.657	8.651	0.006	94	148773	20.0	17.9	
113 4-Chlorotoluene	91	8.694	8.688	0.006	97	133851	20.0	18.7	
112 Butyl Methacrylate	87	8.694	8.694	0.000	86	55362	20.0	17.1	
114 tert-Butylbenzene	119	8.834	8.834	0.000	95	123491	20.0	18.2	
115 1,2,4-Trimethylbenzene	105	8.871	8.864	0.007	96	158399	20.0	18.2	
116 sec-Butylbenzene	105	8.962	8.956	0.006	99	190484	20.0	18.8	
117 4-Isopropyltoluene	119	9.035	9.029	0.006	98	168645	20.0	19.0	
118 1,3-Dichlorobenzene	146	9.053	9.047	0.006	98	101895	20.0	20.4	
* 119 1,4-Dichlorobenzene-d4	152	9.096	9.090	0.006	94	143759	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.108	9.102	0.006	95	104685	20.0	20.9	
136 1,2,3-Trimethylbenzene	105	9.114	9.108	0.006	0	166483	20.0	18.9	
121 Benzyl chloride	91	9.188	9.181	0.007	99	91310	20.0	16.4	
122 2,3-Dihydroindene	117	9.236	9.230	0.006	94	186611	NC	NC	
123 p-Diethylbenzene	119	9.249	9.242	0.007	90	105959	NC	NC	
124 n-Butylbenzene	92	9.267	9.261	0.006	96	89832	20.0	19.8	
125 1,2-Dichlorobenzene	146	9.328	9.322	0.006	97	101076	20.0	21.4	
126 1,2,4,5-Tetramethylbenzene	119	9.730	9.718	0.012	98	145480	NC	NC	
127 1,2-Dibromo-3-Chloropropan	75	9.822	9.816	0.006	92	8303	20.0	16.5	
128 1,3,5-Trichlorobenzene	180	9.919	9.907	0.012	97	69496	NC	NC	
129 1,2,4-Trichlorobenzene	180	10.382	10.370	0.012	94	55510	20.0	16.9	
130 Hexachlorobutadiene	225	10.456	10.443	0.013	96	29084	20.0	19.2	
131 Naphthalene	128	10.596	10.590	0.006	99	118593	20.0	15.4	
132 1,2,3-Trichlorobenzene	180	10.797	10.791	0.006	95	42035	20.0	15.9	
S 133 1,2-Dichloroethene, Total	100				0		40.0	44.8	
S 134 Xylenes, Total	100				0		40.0	40.3	
S 135 Total BTEX	1				0		100.0	100.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

GASES Li_00227	Amount Added:	20.00	Units: uL	
ACROLEIN W_00068	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00062	Amount Added:	20.00	Units: uL	
8260SURR250_00159	Amount Added:	1.00	Units: uL	Run Reagent
8260ISNEW_00118	Amount Added:	1.00	Units: uL	Run Reagent

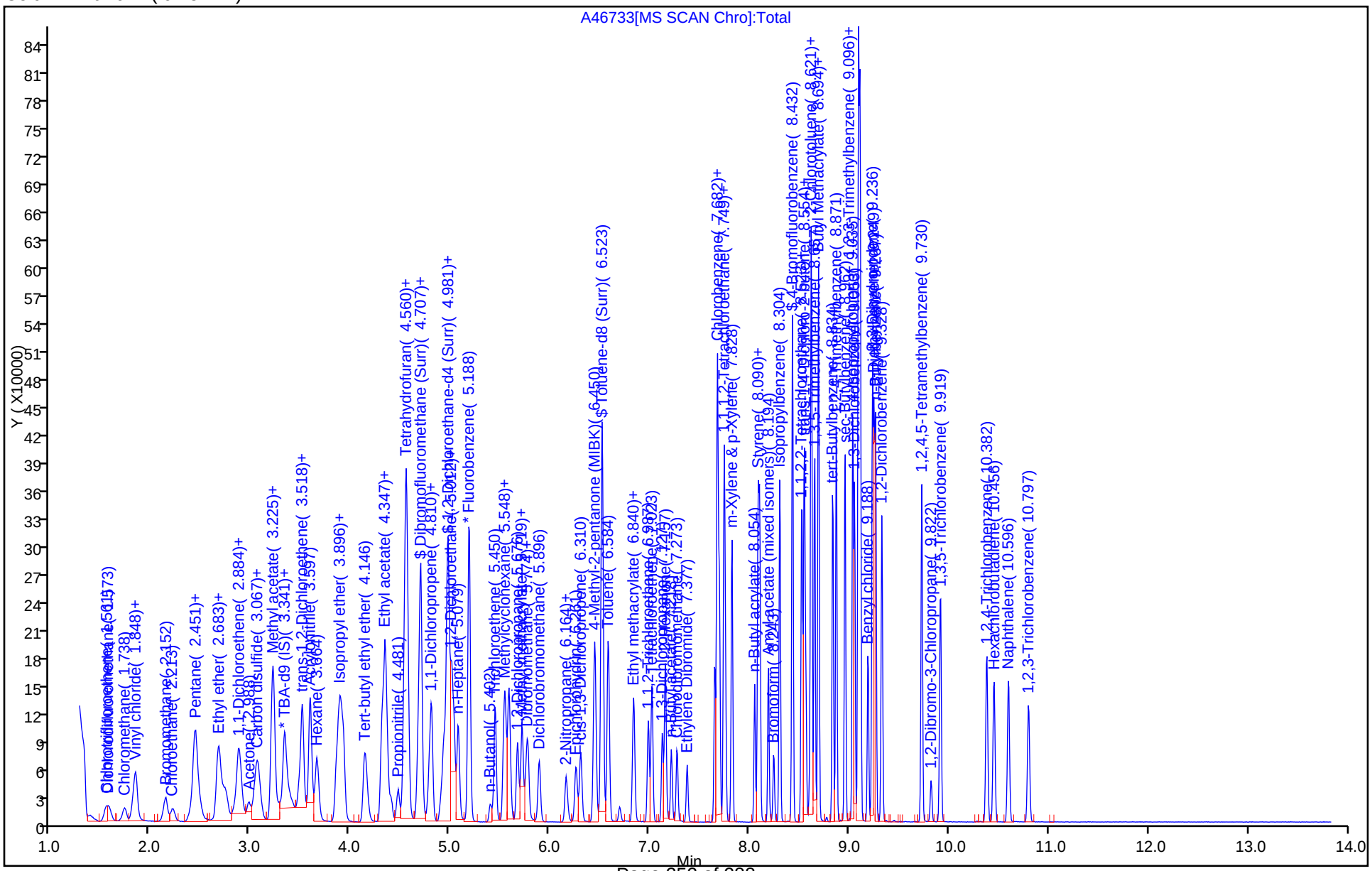
Report Date: 03-Oct-2017 16:48:34 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20171003-61236.b\A46733.D

Injection Date:	03-Oct-2017 16:09:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	LCSD			Worklist Smp#:	60
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: MW-31 MS | Lab Sample ID: 460-141629-5 MS

Matrix: Water | Lab File ID: A46595.D

Analysis Method: 624 | Date Collected: 09/20/2017 11:10

Sample wt/vol: 5(mL) | Date Analyzed: 09/30/2017 23:55

Soil Aliquot Vol: | Dilution Factor: 10

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

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

Analysis Batch No.: 466054 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	203		10	2.8
79-34-5	1,1,2,2-Tetrachloroethane	194		10	1.9
79-00-5	1,1,2-Trichloroethane	203		10	0.80
75-34-3	1,1-Dichloroethane	194		10	2.4
75-35-4	1,1-Dichloroethene	237		10	3.4
107-06-2	1,2-Dichloroethane	193		10	2.5
78-87-5	1,2-Dichloropropane	187		10	1.8
123-91-1	1,4-Dioxane	4300		500	87
78-93-3	2-Butanone	1300		50	22
591-78-6	2-Hexanone	1040		50	7.2
108-10-1	MIBK	1010		50	6.3
67-64-1	Acetone	1160		50	11
71-43-2	Benzene	196		10	0.90
75-27-4	Bromodichloromethane	180		10	1.5
75-25-2	Bromoform	155		10	1.8
74-83-9	Bromomethane	289		10	1.8
75-15-0	Carbon disulfide	148		10	2.2
56-23-5	Carbon tetrachloride	200		10	3.3
108-90-7	Chlorobenzene	362		10	2.4
75-00-3	Chloroethane	280		10	3.7
67-66-3	Chloroform	208		10	2.2
74-87-3	Chloromethane	179		10	2.2
156-59-2	cis-1,2-Dichloroethene	211		10	2.6
10061-01-5	cis-1,3-Dichloropropene	166		10	1.6
124-48-1	Dibromochloromethane	184		10	2.2
100-41-4	Ethylbenzene	195		10	3.0
75-09-2	Methylene Chloride	216		10	2.1
100-42-5	Styrene	176		10	1.7
127-18-4	Tetrachloroethene	209		10	1.2
108-88-3	Toluene	190		10	2.5
156-60-5	trans-1,2-Dichloroethene	211		10	1.8
10061-02-6	trans-1,3-Dichloropropene	159		10	1.9
79-01-6	Trichloroethene	203		10	2.2
75-01-4	Vinyl chloride	210		10	0.60
1330-20-7	Xylenes, Total	394		20	2.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Client Sample ID: MW-31 MS Lab Sample ID: 460-141629-5 MS

Matrix: Water Lab File ID: A46595.D

Analysis Method: 624 Date Collected: 09/20/2017 11:10

Sample wt/vol: 5(mL) Date Analyzed: 09/30/2017 23:55

Soil Aliquot Vol: Dilution Factor: 10

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 466054 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		48-130
460-00-4	Bromofluorobenzene	107		71-131
2037-26-5	Toluene-d8 (Surr)	103		80-120
1868-53-7	Dibromofluoromethane (Surr)	112		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46595.D
Lims ID: 460-141629-C-5 MS
Client ID:
Sample Type: MS
Inject. Date: 30-Sep-2017 23:55:30 ALS Bottle#: 43 Worklist Smp#: 44
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 460-141629-C-5 MS
Misc. Info.: 460-0061122-044
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 02-Oct-2017 20:18:25 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: tupayachia Date: 01-Oct-2017 06:28:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.561	1.567	-0.006	86	5507	NC	NC	
3 Dichlorodifluoromethane	85	1.592	1.604	-0.012	98	44959	20.0	18.2	
4 Chloromethane	50	1.744	1.762	-0.018	98	44785	20.0	17.9	
6 Butadiene	54	1.854	1.866	-0.012	77	53909	20.0	22.7	
5 Vinyl chloride	62	1.854	1.866	-0.012	98	52175	20.0	21.0	
7 Bromomethane	94	2.159	2.165	-0.006	100	44270	20.0	28.9	
8 Chloroethane	64	2.238	2.244	-0.006	98	38085	20.0	28.0	
10 Dichlorofluoromethane	67	2.445	2.457	-0.012	98	83519	NC	NC	
9 Trichlorofluoromethane	101	2.451	2.457	-0.006	65	74754	20.0	28.1	
11 Pentane	72	2.463	2.463	0.000	94	15233	40.0	40.8	
12 Ethanol	46	2.646	2.664	-0.018	84	7217	800.0	788.2	
13 Ethyl ether	59	2.677	2.683	-0.006	93	57893	20.0	30.8	
14 2-Methyl-1,3-butadiene	53	2.695	2.707	-0.012	93	32757	20.0	17.4	
15 1,2-Dichloro-1,1,2-trifluo	117	2.750	2.750	0.000	77	39687	NC	NC	
16 Acrolein	56	2.860	2.866	-0.006	93	4148	40.0	30.0	
17 1,1,2-Trichloro-1,2,2-trif	101	2.878	2.896	-0.018	62	44323	20.0	23.0	
18 1,1-Dichloroethene	96	2.896	2.902	-0.006	94	48019	20.0	23.7	
19 Acetone	58	2.994	3.000	-0.006	91	21002	100.0	116.0	
20 Iodomethane	142	3.055	3.061	-0.006	97	87865	20.0	22.8	
21 Carbon disulfide	76	3.079	3.091	-0.012	98	117193	20.0	14.8	
22 Isopropyl alcohol	45	3.091	3.091	0.000	65	20826	200.0	191.9	
23 3-Chloro-1-propene	76	3.219	3.225	-0.006	91	23505	20.0	15.0	
24 Methyl acetate	43	3.238	3.244	-0.006	96	146027	100.0	85.9	
25 Cyclopentene	67	3.238	3.244	-0.006	81	110015	NC	NC	
26 Acetonitrile	41	3.299	3.305	-0.006	98	56012	200.0	225.5	
27 Methylene Chloride	84	3.347	3.353	-0.006	85	56149	20.0	21.6	
* 28 TBA-d9 (IS)	65	3.360	3.366	-0.006	91	150259	1000.0	1000.0	
29 2-Methyl-2-propanol	59	3.433	3.433	0.000	91	40473	200.0	198.8	
30 Methyl tert-butyl ether	73	3.512	3.518	-0.006	96	124105	20.0	19.1	
31 trans-1,2-Dichloroethene	96	3.530	3.536	-0.006	91	53740	20.0	21.1	
32 Acrylonitrile	53	3.603	3.609	-0.006	94	169930	200.0	182.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Hexane	43	3.671	3.676	-0.005	87	28430	20.0	13.7	
34 Isopropyl ether	45	3.878	3.878	0.000	93	121842	20.0	15.4	
35 1,1-Dichloroethane	63	3.896	3.902	-0.006	99	85886	20.0	19.4	
36 Vinyl acetate	86	3.908	3.920	-0.012	99	18876	40.0	36.7	
37 2-Chloro-1,3-butadiene	88	3.939	3.945	-0.006	86	46742	NC	NC	
38 Tert-butyl ethyl ether	59	4.152	4.158	-0.006	91	124045	NC	NC	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	92	170896	250.0	250.0	
40 2,2-Dichloropropane	97	4.347	4.353	-0.006	56	13899	20.0	15.0	
41 cis-1,2-Dichloroethene	96	4.353	4.359	-0.006	99	61859	20.0	21.1	
42 Ethyl acetate	70	4.366	4.371	-0.005	94	9534	40.0	51.5	
43 2-Butanone (MEK)	72	4.366	4.378	-0.012	97	27706	100.0	129.7	
44 Methyl acrylate	55	4.414	4.420	-0.006	99	39000	NC	NC	
45 Propionitrile	54	4.481	4.487	-0.006	98	65931	NC	NC	
47 Tetrahydrofuran	72	4.542	4.542	0.000	58	12721	40.0	52.2	
46 Chlorobromomethane	128	4.542	4.542	0.000	83	31963	20.0	23.7	
48 Methacrylonitrile	67	4.567	4.567	0.000	86	201447	NC	NC	
49 Chloroform	83	4.585	4.585	0.000	99	88094	20.0	20.8	
50 Cyclohexane	56	4.689	4.695	-0.006	85	73699	20.0	17.2	
51 1,1,1-Trichloroethane	97	4.707	4.707	0.000	96	67835	20.0	20.3	
$ 52 Dibromofluoromethane (Surr	113	4.707	4.713	-0.006	98	122195	50.0	56.2	
54 Carbon tetrachloride	117	4.798	4.798	0.000	96	57531	20.0	20.0	
55 1,1-Dichloropropene	75	4.817	4.823	-0.006	97	64822	20.0	19.7	
56 Isobutyl alcohol	43	4.914	4.920	-0.006	96	52810	NC	NC	
53 2,4,4-Trimethyl-1-pentene	57	4.945	4.945	0.000	89	125510		NC	
57 Isooctane	57	4.945	4.951	-0.006	98	124670	NC	NC	
58 Benzene	78	4.975	4.981	-0.006	95	199204	20.0	19.6	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.993	-0.006	95	118591	50.0	49.8	
60 Isopropyl acetate	43	5.018	5.018	0.000	96	114099	20.0	15.8	
61 Tert-amyl methyl ether	73	5.018	5.024	-0.006	92	155125	NC	NC	
62 1,2-Dichloroethane	62	5.048	5.048	0.000	97	56700	20.0	19.3	
63 n-Heptane	71	5.085	5.085	0.000	85	33693	20.0	15.7	
* 64 Fluorobenzene	96	5.195	5.194	0.001	99	409910	50.0	50.0	
65 n-Butanol	56	5.408	5.414	-0.006	84	26494	500.0	504.2	
66 Trichloroethene	95	5.457	5.457	0.000	96	50511	20.0	20.3	
67 Ethyl acrylate	56	5.548	5.548	0.000	97	25880	20.0	17.2	
68 Methylcyclohexane	83	5.554	5.554	0.000	92	78647	20.0	19.0	
69 1,2-Dichloropropane	63	5.682	5.682	0.000	93	47887	20.0	18.7	
* 71 1,4-Dioxane-d8	96	5.719	5.719	0.000	44	22942	1000.0	1000.0	
70 Methyl methacrylate	100	5.725	5.731	-0.006	79	24996	40.0	39.7	
73 1,4-Dioxane	88	5.762	5.768	-0.006	31	11745	400.0	429.6	
72 n-Propyl acetate	43	5.768	5.768	0.000	95	50599	20.0	15.8	
74 Dibromomethane	93	5.780	5.786	-0.006	95	34366	20.0	22.3	
75 Dichlorobromomethane	83	5.896	5.902	-0.006	98	55653	20.0	18.0	
77 2-Nitropropane	41	6.176	6.176	0.000	98	13876	NC	NC	
78 Epichlorohydrin	57	6.262	6.267	-0.005	98	78483	400.0	448.2	
79 cis-1,3-Dichloropropene	75	6.310	6.316	-0.006	87	66599	20.0	16.6	
80 4-Methyl-2-pentanone (MIBK	43	6.450	6.450	0.000	93	183188	100.0	100.8	
$ 81 Toluene-d8 (Surr)	98	6.524	6.530	-0.006	100	427994	50.0	51.5	
82 Toluene	91	6.585	6.591	-0.006	93	204048	20.0	19.0	
83 trans-1,3-Dichloropropene	75	6.835	6.840	-0.005	97	54843	20.0	15.9	
84 Ethyl methacrylate	69	6.847	6.847	0.000	85	48711	NC	NC	
85 1,1,2-Trichloroethane	83	6.987	6.993	-0.006	97	39452	20.0	20.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 Tetrachloroethene	166	7.024	7.029	-0.005	95	53659	20.0	20.9	
87 1,3-Dichloropropane	76	7.127	7.133	-0.006	89	73130	20.0	20.5	
88 2-Hexanone	43	7.158	7.157	0.001	92	122236	100.0	104.2	
89 n-Butyl acetate	73	7.219	7.218	0.001	97	12601	20.0	18.3	
90 Chlorodibromomethane	129	7.280	7.279	0.001	98	44086	20.0	18.4	
91 Ethylene Dibromide	107	7.377	7.377	0.000	97	47781	20.0	21.8	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	82	303473	50.0	50.0	
93 Chlorobenzene	112	7.700	7.700	0.000	97	244569	20.0	36.2	
94 Ethylbenzene	106	7.749	7.749	0.000	97	72773	20.0	19.5	
95 1,1,1,2-Tetrachloroethane	131	7.761	7.761	0.000	96	49291	20.0	20.1	
96 m-Xylene & p-Xylene	106	7.828	7.828	0.000	98	91338	20.0	19.5	
97 n-Butyl acrylate	73	8.054	8.054	0.000	98	33472	20.0	15.2	
98 o-Xylene	106	8.090	8.090	0.000	95	94239	20.0	19.9	
99 Styrene	104	8.103	8.109	-0.006	97	144588	20.0	17.6	
100 Amyl acetate (mixed isomer	43	8.194	8.194	0.000	93	73686	20.0	13.0	
101 Bromoform	173	8.243	8.249	-0.006	98	27733	20.0	15.5	
102 Isopropylbenzene	105	8.304	8.304	0.000	95	233676	20.0	18.8	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	95	157343	50.0	53.7	
104 Bromobenzene	156	8.523	8.523	0.000	93	69900	20.0	20.5	
105 1,1,2,2-Tetrachloroethane	83	8.529	8.529	0.000	99	71181	20.0	19.4	
106 N-Propylbenzene	91	8.548	8.547	0.001	99	276139	20.0	17.1	
107 1,2,3-Trichloropropane	110	8.566	8.566	0.000	97	20388	20.0	20.4	
108 trans-1,4-Dichloro-2-buten	53	8.566	8.572	-0.006	66	4315	NC	NC	
109 4-Ethyltoluene	105	8.615	8.615	0.000	98	233639	NC	NC	
110 2-Chlorotoluene	91	8.621	8.627	-0.006	96	221280	20.0	20.1	
111 1,3,5-Trimethylbenzene	105	8.651	8.651	0.000	94	196660	20.0	17.6	
113 4-Chlorotoluene	91	8.688	8.694	-0.006	97	176332	20.0	18.4	
112 Butyl Methacrylate	87	8.694	8.694	0.000	83	61595	20.0	14.2	
114 tert-Butylbenzene	119	8.834	8.834	0.000	96	166764	20.0	18.4	
115 1,2,4-Trimethylbenzene	105	8.865	8.871	-0.006	96	203182	20.0	17.4	
116 sec-Butylbenzene	105	8.956	8.956	0.000	99	244905	20.0	18.0	
117 4-Isopropyltoluene	119	9.029	9.035	-0.006	98	209880	20.0	17.6	
118 1,3-Dichlorobenzene	146	9.048	9.053	-0.005	98	130010	20.0	19.4	
* 119 1,4-Dichlorobenzene-d4	152	9.090	9.090	0.000	95	192807	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.102	9.102	0.000	96	134370	20.0	20.0	
136 1,2,3-Trimethylbenzene	105	9.109	9.108	0.000	0	213394	20.0	18.1	
121 Benzyl chloride	91	9.182	9.188	-0.006	99	77513	20.0	10.4	
122 2,3-Dihydroindene	117	9.230	9.230	0.000	94	238666	NC	NC	
123 p-Diethylbenzene	119	9.243	9.249	-0.006	94	129050	NC	NC	
124 n-Butylbenzene	92	9.261	9.261	0.000	97	105449	20.0	17.3	
125 1,2-Dichlorobenzene	146	9.322	9.328	-0.006	98	121862	20.0	19.2	
126 1,2,4,5-Tetramethylbenzene	119	9.718	9.724	-0.006	98	164084	NC	NC	
127 1,2-Dibromo-3-Chloropropan	75	9.816	9.816	0.000	91	8423	20.0	12.5	
128 1,3,5-Trichlorobenzene	180	9.907	9.913	-0.006	97	65036	NC	NC	
129 1,2,4-Trichlorobenzene	180	10.370	10.376	-0.006	93	38448	20.0	8.74	
130 Hexachlorobutadiene	225	10.444	10.450	-0.006	97	25384	20.0	12.5	
131 Naphthalene	128	10.590	10.590	0.000	99	85433	20.0	8.26	
132 1,2,3-Trichlorobenzene	180	10.791	10.797	-0.006	95	23730	20.0	6.71	
S 133 1,2-Dichloroethene, Total	100				0		40.0	42.2	
S 134 Xylenes, Total	100				0		40.0	39.4	
S 135 Total BTEX	1				0		100.0	97.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

GASES Li_00227	Amount Added:	20.00	Units: uL	
ACROLEIN W_00068	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00062	Amount Added:	20.00	Units: uL	
8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00159	Amount Added:	1.00	Units: uL	Run Reagent

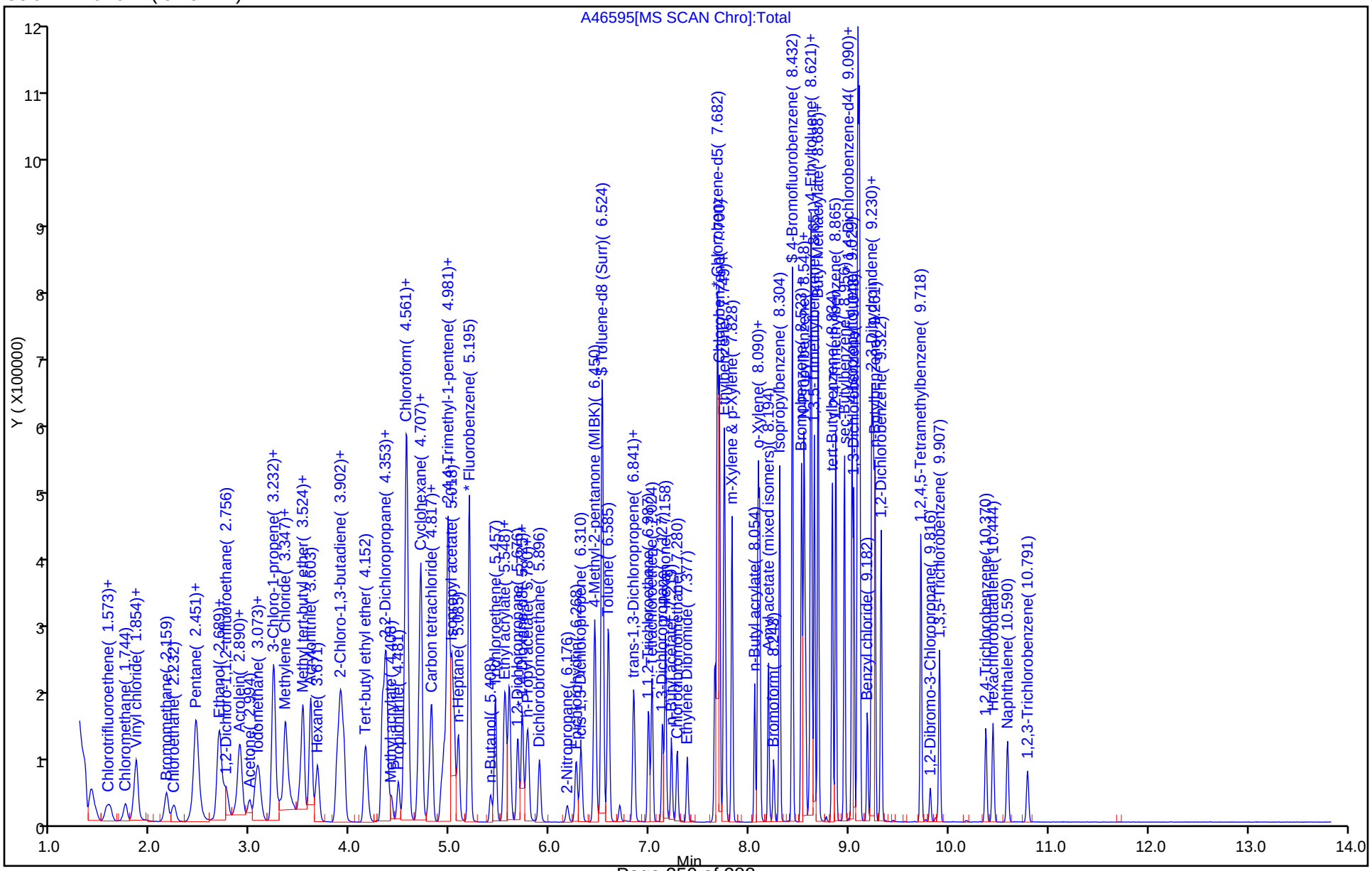
Report Date: 02-Oct-2017 20:18:26 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46595.D

Injection Date:	30-Sep-2017 23:55:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	460-141629-C-5 MS			Worklist Smp#:	44
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	43
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-141753-C-1 MS

Matrix: Water | Lab File ID: A46526.D

Analysis Method: 624 | Date Collected: 09/27/2017 14:55

Sample wt/vol: 5(mL) | Date Analyzed: 09/29/2017 20:38

Soil Aliquot Vol: | Dilution Factor: 10

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

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

Analysis Batch No.: 465797 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	194		10	2.8
79-34-5	1,1,2,2-Tetrachloroethane	175		10	1.9
79-00-5	1,1,2-Trichloroethane	187		10	0.80
75-34-3	1,1-Dichloroethane	194		10	2.4
75-35-4	1,1-Dichloroethene	218		10	3.4
107-06-2	1,2-Dichloroethane	180		10	2.5
78-87-5	1,2-Dichloropropane	176		10	1.8
123-91-1	1,4-Dioxane	1500		500	87
78-93-3	2-Butanone	1230		50	22
591-78-6	2-Hexanone	1080		50	7.2
108-10-1	MIBK	1110		50	6.3
67-64-1	Acetone	1080		50	11
71-43-2	Benzene	199		10	0.90
75-27-4	Bromodichloromethane	172		10	1.5
75-25-2	Bromoform	181		10	1.8
74-83-9	Bromomethane	250		10	1.8
75-15-0	Carbon disulfide	178		10	2.2
56-23-5	Carbon tetrachloride	188		10	3.3
108-90-7	Chlorobenzene	204		10	2.4
75-00-3	Chloroethane	196		10	3.7
67-66-3	Chloroform	205		10	2.2
74-87-3	Chloromethane	170		10	2.2
156-59-2	cis-1,2-Dichloroethene	214		10	2.6
10061-01-5	cis-1,3-Dichloropropene	162		10	1.6
124-48-1	Dibromochloromethane	187		10	2.2
100-41-4	Ethylbenzene	196		10	3.0
75-09-2	Methylene Chloride	210		10	2.1
100-42-5	Styrene	194		10	1.7
127-18-4	Tetrachloroethene	205		10	1.2
108-88-3	Toluene	187		10	2.5
156-60-5	trans-1,2-Dichloroethene	209		10	1.8
10061-02-6	trans-1,3-Dichloropropene	150		10	1.9
79-01-6	Trichloroethene	191		10	2.2
75-01-4	Vinyl chloride	190		10	0.60
1330-20-7	Xylenes, Total	393		20	2.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-141753-C-1 MS

Matrix: Water Lab File ID: A46526.D

Analysis Method: 624 Date Collected: 09/27/2017 14:55

Sample wt/vol: 5(mL) Date Analyzed: 09/29/2017 20:38

Soil Aliquot Vol: Dilution Factor: 10

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 465797 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		48-130
460-00-4	Bromofluorobenzene	114		71-131
2037-26-5	Toluene-d8 (Surr)	108		80-120
1868-53-7	Dibromofluoromethane (Surr)	117		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46526.D
Lims ID: 460-141753-C-1 MS
Client ID:
Sample Type: MS
Inject. Date: 29-Sep-2017 20:38:30 ALS Bottle#: 25 Worklist Smp#: 35
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 460-141753-C-1 MS
Misc. Info.: 460-0061064-035
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 02-Oct-2017 12:15:36 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: delpolitov Date: 02-Oct-2017 12:15:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.543	1.561	-0.018	86	5847	NC	NC	
3 Dichlorodifluoromethane	85	1.585	1.598	-0.013	98	45514	20.0	18.9	
4 Chloromethane	50	1.738	1.750	-0.012	99	41513	20.0	17.0	
6 Butadiene	54	1.848	1.860	-0.012	88	46880	20.0	20.2	
5 Vinyl chloride	62	1.848	1.860	-0.012	97	46306	20.0	19.0	
7 Bromomethane	94	2.146	2.159	-0.013	100	37454	20.0	25.0	
8 Chloroethane	64	2.213	2.238	-0.025	98	26068	20.0	19.6	
10 Dichlorofluoromethane	67	2.433	2.451	-0.018	98	67016	NC	NC	
9 Trichlorofluoromethane	101	2.445	2.451	-0.006	73	60809	20.0	23.4	
11 Pentane	72	2.457	2.457	0.000	95	13577	40.0	37.2	
12 Ethanol	46	2.665	2.671	-0.006	62	2422	800.0	320.8	M
13 Ethyl ether	59	2.671	2.677	-0.006	90	32969	20.0	17.9	
14 2-Methyl-1,3-butadiene	53	2.683	2.695	-0.012	93	30813	20.0	16.8	
15 1,2-Dichloro-1,1,2-trifluo	117	2.750	2.756	-0.006	88	36934	NC	NC	
16 Acrolein	56	2.847	2.866	-0.019	36	5037	40.0	44.1	
17 1,1,2-Trichloro-1,2,2-trif	101	2.872	2.884	-0.012	98	40354	20.0	21.4	
18 1,1-Dichloroethene	96	2.884	2.896	-0.012	94	43151	20.0	21.8	
19 Acetone	58	2.988	2.994	-0.006	89	16146	100.0	108.0	
20 Iodomethane	142	3.042	3.055	-0.013	97	83870	20.0	22.3	
21 Carbon disulfide	76	3.073	3.085	-0.012	98	137539	20.0	17.8	
22 Isopropyl alcohol	45	3.110	3.097	0.013	59	8479	200.0	94.7	
23 3-Chloro-1-propene	76	3.213	3.225	-0.012	91	25645	20.0	16.7	
24 Methyl acetate	43	3.231	3.238	-0.007	97	124674	100.0	75.0	
25 Cyclopentene	67	3.231	3.238	-0.007	94	109788	NC	NC	
26 Acetonitrile	41	3.292	3.305	-0.013	99	26526	200.0	129.5	
27 Methylene Chloride	84	3.341	3.353	-0.012	86	53467	20.0	21.0	
* 28 TBA-d9 (IS)	65	3.360	3.366	-0.006	95	123908	1000.0	1000.0	
29 2-Methyl-2-propanol	59	3.439	3.427	0.012	93	23736	200.0	141.4	
30 Methyl tert-butyl ether	73	3.506	3.512	-0.006	96	121861	20.0	19.2	
31 trans-1,2-Dichloroethene	96	3.524	3.530	-0.006	91	52073	20.0	20.9	
32 Acrylonitrile	53	3.603	3.603	0.000	94	160201	200.0	175.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Hexane	43	3.664	3.677	-0.013	87	29659	20.0	14.6	
34 Isopropyl ether	45	3.872	3.878	-0.006	92	124819	20.0	16.2	
35 1,1-Dichloroethane	63	3.896	3.902	-0.006	99	84100	20.0	19.4	
36 Vinyl acetate	86	3.914	3.914	0.000	99	18904	40.0	37.6	
37 2-Chloro-1,3-butadiene	88	3.933	3.939	-0.006	86	45870	NC	NC	
38 Tert-butyl ethyl ether	59	4.146	4.158	-0.012	91	130044	NC	NC	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	89	141170	250.0	250.0	
40 2,2-Dichloropropane	97	4.341	4.347	-0.006	61	13913	20.0	15.3	
41 cis-1,2-Dichloroethene	96	4.353	4.353	0.000	98	61293	20.0	21.4	
42 Ethyl acetate	70	4.365	4.372	-0.007	93	7903	40.0	51.7	
43 2-Butanone (MEK)	72	4.365	4.372	-0.007	97	21675	100.0	122.8	
44 Methyl acrylate	55	4.414	4.414	0.000	57	30277	NC	NC	
45 Propionitrile	54	4.487	4.481	0.006	98	50430	NC	NC	
46 Chlorobromomethane	128	4.542	4.542	0.000	79	29741	20.0	22.6	
47 Tetrahydrofuran	72	4.536	4.542	-0.006	51	10758	40.0	53.4	
48 Methacrylonitrile	67	4.567	4.567	0.000	87	177744	NC	NC	
49 Chloroform	83	4.585	4.585	0.000	99	84800	20.0	20.5	
50 Cyclohexane	56	4.689	4.689	-0.001	86	71795	20.0	17.1	
51 1,1,1-Trichloroethane	97	4.701	4.707	-0.006	93	63346	20.0	19.4	
$ 52 Dibromofluoromethane (Surr	113	4.707	4.713	-0.006	98	124753	50.0	58.7	
54 Carbon tetrachloride	117	4.798	4.798	0.000	97	52976	20.0	18.8	
55 1,1-Dichloropropene	75	4.817	4.817	0.000	97	61992	20.0	19.2	
56 Isobutyl alcohol	43	4.945	4.920	0.025	37	33967	NC	NC	
57 Isooctane	57	4.938	4.945	-0.007	99	129421	NC	NC	
58 Benzene	78	4.975	4.975	0.000	95	185506	20.0	19.9	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	95	111866	50.0	48.1	
60 Isopropyl acetate	43	5.018	5.012	0.006	96	103028	20.0	14.6	
61 Tert-amyl methyl ether	73	5.018	5.024	-0.006	92	150238	NC	NC	
62 1,2-Dichloroethane	62	5.042	5.048	-0.006	97	51696	20.0	18.0	
63 n-Heptane	71	5.085	5.085	0.000	83	33912	20.0	16.2	
* 64 Fluorobenzene	96	5.195	5.195	-0.001	99	400804	50.0	50.0	
65 n-Butanol	56	5.408	5.408	0.000	83	8161	500.0	188.3	
66 Trichloroethene	95	5.457	5.457	0.000	96	46609	20.0	19.1	
67 Ethyl acrylate	56	5.548	5.554	-0.006	97	24759	20.0	16.8	
68 Methylcyclohexane	83	5.554	5.554	0.000	92	79193	20.0	19.6	
69 1,2-Dichloropropane	63	5.682	5.682	0.000	93	43940	20.0	17.6	
* 71 1,4-Dioxane-d8	96	5.725	5.719	0.006	33	17499	1000.0	1000.0	
70 Methyl methacrylate	100	5.725	5.725	0.000	81	22755	40.0	37.0	
73 1,4-Dioxane	88	5.761	5.762	-0.001	27	3120	400.0	149.6	
72 n-Propyl acetate	43	5.761	5.768	-0.007	95	42233	20.0	13.5	
74 Dibromomethane	93	5.780	5.786	-0.006	94	29269	20.0	19.5	
75 Dichlorobromomethane	83	5.896	5.896	0.000	98	52110	20.0	17.2	
76 2-Chloroethyl vinyl ether	63	6.164	6.164	0.000	93	22566	20.0	16.2	
77 2-Nitropropane	41	6.170	6.176	-0.006	80	11465	NC	NC	
78 Epichlorohydrin	57	6.261	6.268	-0.007	99	53441	400.0	369.5	
79 cis-1,3-Dichloropropene	75	6.310	6.310	0.000	87	59408	20.0	16.2	
80 4-Methyl-2-pentanone (MIBK	43	6.450	6.450	0.000	92	167000	100.0	111.2	
$ 81 Toluene-d8 (Surr)	98	6.524	6.530	-0.006	99	411378	50.0	53.9	
82 Toluene	91	6.584	6.591	-0.007	93	184217	20.0	18.7	
83 trans-1,3-Dichloropropene	75	6.834	6.841	-0.007	96	47391	20.0	15.0	
84 Ethyl methacrylate	69	6.847	6.847	0.000	85	52959	NC	NC	
85 1,1,2-Trichloroethane	83	6.987	6.987	0.000	97	33288	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
86 Tetrachloroethene	166	7.023	7.023	0.000	95	48407	20.0	20.5	
87 1,3-Dichloropropane	76	7.127	7.133	-0.006	88	62218	20.0	18.9	
88 2-Hexanone	43	7.158	7.158	0.000	91	104682	100.0	108.0	
89 n-Butyl acetate	73	7.219	7.225	-0.007	96	11351	20.0	17.9	
90 Chlorodibromomethane	129	7.273	7.280	-0.007	97	41226	20.0	18.7	
91 Ethylene Dibromide	107	7.377	7.377	0.000	99	37933	20.0	18.9	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	83	278716	50.0	50.0	
93 Chlorobenzene	112	7.700	7.700	0.000	97	126793	20.0	20.4	
94 Ethylbenzene	106	7.749	7.749	0.000	97	67264	20.0	19.6	
95 1,1,1,2-Tetrachloroethane	131	7.761	7.761	0.000	95	44746	20.0	19.9	
96 m-Xylene & p-Xylene	106	7.828	7.828	0.000	98	83295	20.0	19.4	
97 n-Butyl acrylate	73	8.054	8.054	0.000	99	38360	20.0	18.9	
98 o-Xylene	106	8.090	8.090	0.000	94	86738	20.0	19.9	
99 Styrene	104	8.109	8.109	0.000	97	145987	20.0	19.4	
100 Amyl acetate (mixed isomer	43	8.194	8.194	0.000	93	76722	20.0	13.8	
101 Bromoform	173	8.249	8.243	0.006	98	29619	20.0	18.1	
102 Isopropylbenzene	105	8.304	8.304	0.000	95	214690	20.0	18.8	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	96	154040	50.0	57.2	
104 Bromobenzene	156	8.523	8.523	0.000	92	63848	20.0	19.1	
105 1,1,2,2-Tetrachloroethane	83	8.529	8.529	0.000	99	63021	20.0	17.5	
106 N-Propylbenzene	91	8.548	8.548	0.000	99	256156	20.0	16.1	
107 1,2,3-Trichloropropane	110	8.566	8.566	0.000	97	18058	20.0	18.4	
108 trans-1,4-Dichloro-2-buten	53	8.566	8.566	0.000	66	4292	NC	NC	
109 4-Ethyltoluene	105	8.615	8.615	0.000	98	221191	NC	NC	
110 2-Chlorotoluene	91	8.621	8.621	0.000	97	181202	20.0	16.8	
111 1,3,5-Trimethylbenzene	105	8.651	8.651	0.000	94	182577	20.0	16.6	
113 4-Chlorotoluene	91	8.688	8.688	0.000	95	161337	20.0	17.1	
112 Butyl Methacrylate	87	8.694	8.694	0.000	66	73154	20.0	17.2	
114 tert-Butylbenzene	119	8.834	8.834	0.000	96	149197	20.0	16.7	
115 1,2,4-Trimethylbenzene	105	8.871	8.865	0.006	96	191580	20.0	16.7	
116 sec-Butylbenzene	105	8.956	8.956	0.000	99	229701	20.0	17.2	
117 4-Isopropyltoluene	119	9.029	9.029	0.000	98	200485	20.0	17.1	
118 1,3-Dichlorobenzene	146	9.047	9.047	0.000	99	125261	20.0	19.1	
* 119 1,4-Dichlorobenzene-d4	152	9.090	9.084	0.006	95	189392	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.102	9.102	0.000	96	125675	20.0	19.0	
136 1,2,3-Trimethylbenzene	105	9.108	9.102	0.006	0	200567	20.0	17.3	
121 Benzyl chloride	91	9.182	9.182	0.000	99	79595	20.0	10.8	
122 2,3-Dihydroindene	117	9.230	9.224	0.006	94	231357	NC	NC	
123 p-Diethylbenzene	119	9.243	9.243	-0.001	91	125260	NC	NC	
124 n-Butylbenzene	92	9.261	9.261	0.000	96	99188	20.0	16.6	
125 1,2-Dichlorobenzene	146	9.322	9.322	0.000	98	118888	20.0	19.1	
126 1,2,4,5-Tetramethylbenzene	119	9.718	9.718	0.000	98	158817	NC	NC	
127 1,2-Dibromo-3-Chloropropan	75	9.816	9.810	0.006	91	7274	20.0	11.0	
128 1,3,5-Trichlorobenzene	180	9.907	9.907	0.000	96	56680	NC	NC	
129 1,2,4-Trichlorobenzene	180	10.370	10.370	0.000	93	35847	20.0	8.29	
130 Hexachlorobutadiene	225	10.443	10.444	-0.001	97	22216	20.0	11.1	
131 Naphthalene	128	10.590	10.584	0.006	99	83741	20.0	8.24	
132 1,2,3-Trichlorobenzene	180	10.791	10.785	0.006	96	20898	20.0	6.02	
S 133 1,2-Dichloroethene, Total	100				0		40.0	42.3	
S 134 Xylenes, Total	100				0		40.0	39.3	
S 135 Total BTEX	1				0		100.0	97.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00227	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00062	Amount Added:	20.00	Units: uL	
ACROLEIN W_00068	Amount Added:	4.00	Units: uL	
8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00159	Amount Added:	1.00	Units: uL	Run Reagent

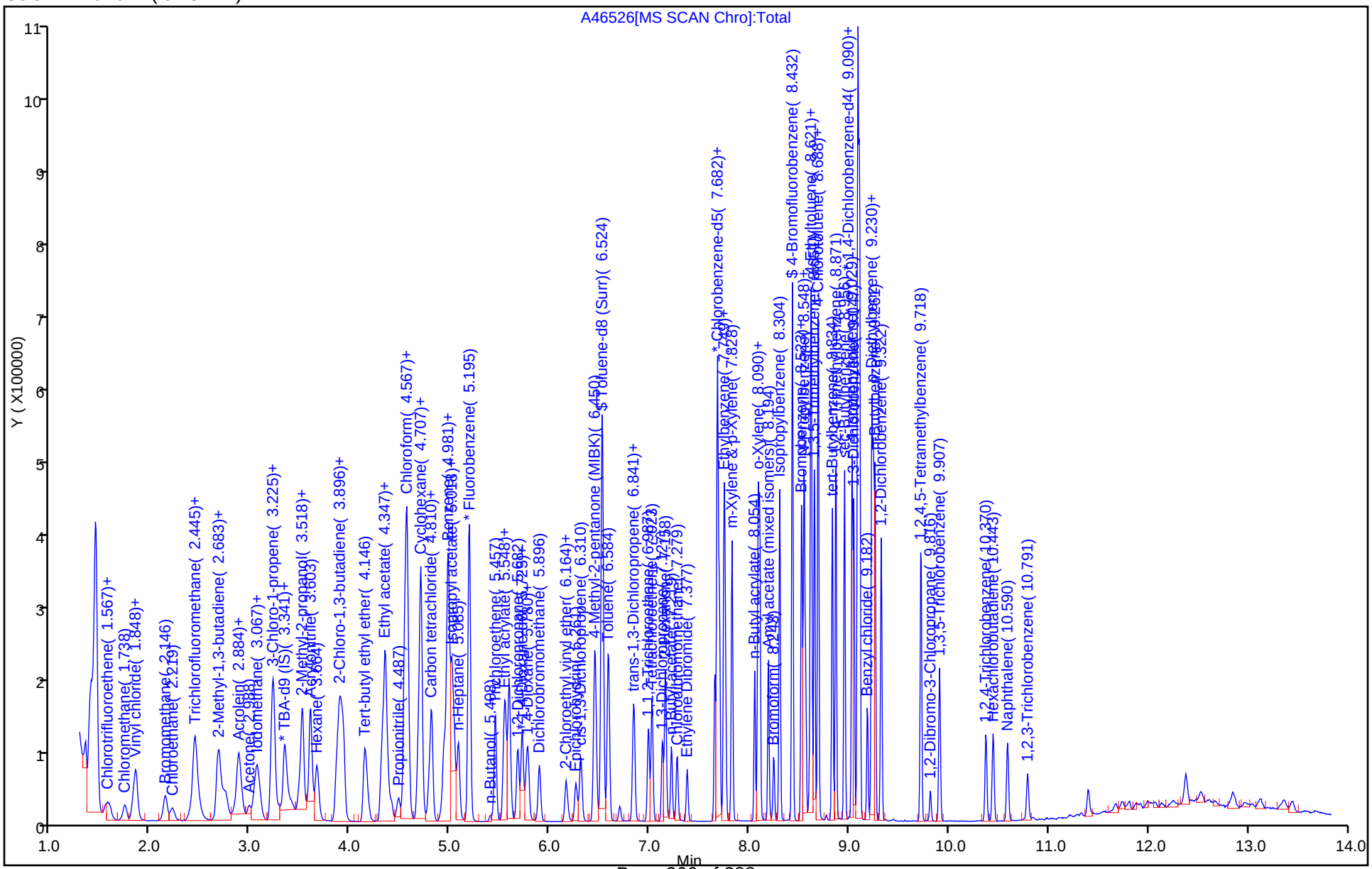
Report Date: 02-Oct-2017 12:15:37 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46526.D

Injection Date:	29-Sep-2017 20:38:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	460-141753-C-1 MS			Worklist Smp#:	35
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	25
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: MW-31 MSD | Lab Sample ID: 460-141629-5 MSD

Matrix: Water | Lab File ID: A46596.D

Analysis Method: 624 | Date Collected: 09/20/2017 11:10

Sample wt/vol: 5(mL) | Date Analyzed: 10/01/2017 00:17

Soil Aliquot Vol: | Dilution Factor: 10

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

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

Analysis Batch No.: 466054 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	200		10	2.8
79-34-5	1,1,2,2-Tetrachloroethane	191		10	1.9
79-00-5	1,1,2-Trichloroethane	197		10	0.80
75-34-3	1,1-Dichloroethane	197		10	2.4
75-35-4	1,1-Dichloroethene	236		10	3.4
107-06-2	1,2-Dichloroethane	196		10	2.5
78-87-5	1,2-Dichloropropane	192		10	1.8
123-91-1	1,4-Dioxane	4570		500	87
78-93-3	2-Butanone	1310		50	22
591-78-6	2-Hexanone	1020		50	7.2
108-10-1	MIBK	1020		50	6.3
67-64-1	Acetone	1120		50	11
71-43-2	Benzene	195		10	0.90
75-27-4	Bromodichloromethane	182		10	1.5
75-25-2	Bromoform	160		10	1.8
74-83-9	Bromomethane	299		10	1.8
75-15-0	Carbon disulfide	153		10	2.2
56-23-5	Carbon tetrachloride	197		10	3.3
108-90-7	Chlorobenzene	360		10	2.4
75-00-3	Chloroethane	284		10	3.7
67-66-3	Chloroform	207		10	2.2
74-87-3	Chloromethane	181		10	2.2
156-59-2	cis-1,2-Dichloroethene	213		10	2.6
10061-01-5	cis-1,3-Dichloropropene	167		10	1.6
124-48-1	Dibromochloromethane	179		10	2.2
100-41-4	Ethylbenzene	201		10	3.0
75-09-2	Methylene Chloride	216		10	2.1
100-42-5	Styrene	180		10	1.7
127-18-4	Tetrachloroethene	209		10	1.2
108-88-3	Toluene	191		10	2.5
156-60-5	trans-1,2-Dichloroethene	215		10	1.8
10061-02-6	trans-1,3-Dichloropropene	160		10	1.9
79-01-6	Trichloroethene	200		10	2.2
75-01-4	Vinyl chloride	213		10	0.60
1330-20-7	Xylenes, Total	392		20	2.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Client Sample ID: MW-31 MSD Lab Sample ID: 460-141629-5 MSD

Matrix: Water Lab File ID: A46596.D

Analysis Method: 624 Date Collected: 09/20/2017 11:10

Sample wt/vol: 5(mL) Date Analyzed: 10/01/2017 00:17

Soil Aliquot Vol: Dilution Factor: 10

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 466054 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		48-130
460-00-4	Bromofluorobenzene	102		71-131
2037-26-5	Toluene-d8 (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	108		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46596.D
Lims ID: 460-141629-C-5 MSD
Client ID:
Sample Type: MSD
Inject. Date: 01-Oct-2017 00:17:30 ALS Bottle#: 44 Worklist Smp#: 45
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 460-141629-C-5 MSD
Misc. Info.: 460-0061122-045
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 02-Oct-2017 20:18:25 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: tupayachia Date: 01-Oct-2017 06:28:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.549	1.567	-0.018	85	5488	NC	NC	
3 Dichlorodifluoromethane	85	1.585	1.604	-0.019	99	45597	20.0	18.4	
4 Chloromethane	50	1.744	1.762	-0.018	99	45401	20.0	18.1	
6 Butadiene	54	1.848	1.866	-0.018	77	55541	20.0	23.4	
5 Vinyl chloride	62	1.854	1.866	-0.012	97	53122	20.0	21.3	
7 Bromomethane	94	2.152	2.165	-0.013	98	45901	20.0	29.9	
8 Chloroethane	64	2.226	2.244	-0.018	98	38686	20.0	28.4	
10 Dichlorofluoromethane	67	2.439	2.457	-0.018	98	85640	NC	NC	
9 Trichlorofluoromethane	101	2.439	2.457	-0.018	73	77836	20.0	29.2	
11 Pentane	72	2.457	2.463	-0.006	96	14855	40.0	39.8	
12 Ethanol	46	2.665	2.664	0.001	64	7528	800.0	821.9	
13 Ethyl ether	59	2.665	2.683	-0.018	93	56280	20.0	29.9	
14 2-Methyl-1,3-butadiene	53	2.689	2.707	-0.018	92	33576	20.0	17.9	
15 1,2-Dichloro-1,1,2-trifluo	117	2.756	2.750	0.006	74	40866	NC	NC	
16 Acrolein	56	2.854	2.866	-0.012	86	5358	40.0	38.7	
17 1,1,2-Trichloro-1,2,2-trif	101	2.884	2.896	-0.012	54	43059	20.0	22.3	
18 1,1-Dichloroethene	96	2.884	2.902	-0.018	94	47938	20.0	23.6	
19 Acetone	58	2.982	3.000	-0.018	90	20174	100.0	112.0	
20 Iodomethane	142	3.043	3.061	-0.019	98	89207	20.0	23.1	
21 Carbon disulfide	76	3.079	3.091	-0.012	98	120843	20.0	15.3	
22 Isopropyl alcohol	45	3.085	3.091	-0.006	55	23013	200.0	212.0	
23 3-Chloro-1-propene	76	3.213	3.225	-0.012	90	23510	20.0	15.0	
24 Methyl acetate	43	3.231	3.244	-0.013	96	142982	100.0	84.0	
25 Cyclopentene	67	3.231	3.244	-0.013	83	111866	NC	NC	
26 Acetonitrile	41	3.292	3.305	-0.013	97	53765	200.0	216.4	
27 Methylene Chloride	84	3.341	3.353	-0.012	84	56327	20.0	21.6	
* 28 TBA-d9 (IS)	65	3.360	3.366	-0.006	96	150304	1000.0	1000.0	
29 2-Methyl-2-propanol	59	3.414	3.433	-0.019	97	40134	200.0	197.0	
30 Methyl tert-butyl ether	73	3.500	3.518	-0.018	96	124948	20.0	19.2	
31 trans-1,2-Dichloroethene	96	3.524	3.536	-0.012	91	55079	20.0	21.5	
32 Acrylonitrile	53	3.597	3.609	-0.012	96	174285	200.0	186.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Hexane	43	3.664	3.676	-0.012	87	29201	20.0	14.1	
34 Isopropyl ether	45	3.872	3.878	-0.006	94	121887	20.0	15.4	
35 1,1-Dichloroethane	63	3.896	3.902	-0.006	99	87408	20.0	19.7	
36 Vinyl acetate	86	3.908	3.920	-0.012	99	17955	40.0	34.9	
37 2-Chloro-1,3-butadiene	88	3.933	3.945	-0.012	86	47437	NC	NC	
38 Tert-butyl ethyl ether	59	4.152	4.158	-0.006	91	123994	NC	NC	
* 39 2-Butanone-d5	46	4.317	4.323	-0.006	92	170043	250.0	250.0	
40 2,2-Dichloropropane	97	4.341	4.353	-0.012	60	13896	20.0	14.9	
41 cis-1,2-Dichloroethene	96	4.353	4.359	-0.006	99	62363	20.0	21.3	
42 Ethyl acetate	70	4.365	4.371	-0.006	93	9312	40.0	50.5	
43 2-Butanone (MEK)	72	4.365	4.378	-0.013	97	27920	100.0	131.3	
44 Methyl acrylate	55	4.408	4.420	-0.012	100	38390	NC	NC	
45 Propionitrile	54	4.481	4.487	-0.006	99	67249	NC	NC	
47 Tetrahydrofuran	72	4.536	4.542	-0.006	60	12775	40.0	52.7	
46 Chlorobromomethane	128	4.536	4.542	-0.006	81	31535	20.0	23.4	
48 Methacrylonitrile	67	4.561	4.567	-0.007	86	203362	NC	NC	
49 Chloroform	83	4.579	4.585	-0.006	99	87884	20.0	20.7	
50 Cyclohexane	56	4.689	4.695	-0.006	87	73580	20.0	17.1	
51 1,1,1-Trichloroethane	97	4.701	4.707	-0.006	96	67016	20.0	20.0	
$ 52 Dibromofluoromethane (Surr	113	4.707	4.713	-0.006	97	117012	50.0	53.8	
54 Carbon tetrachloride	117	4.798	4.798	0.000	98	56716	20.0	19.7	
55 1,1-Dichloropropene	75	4.817	4.823	-0.006	97	65598	20.0	19.9	
56 Isobutyl alcohol	43	4.920	4.920	0.000	92	55093	NC	NC	
57 Isooctane	57	4.945	4.951	-0.006	99	128510	NC	NC	
58 Benzene	78	4.975	4.981	-0.006	95	200007	20.0	19.5	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.993	-0.006	96	113745	50.0	47.7	
60 Isopropyl acetate	43	5.012	5.018	-0.006	96	113445	20.0	15.7	
61 Tert-amyl methyl ether	73	5.018	5.024	-0.006	96	156592	NC	NC	
62 1,2-Dichloroethane	62	5.042	5.048	-0.006	96	57443	20.0	19.6	
63 n-Heptane	71	5.085	5.085	0.000	85	34123	20.0	15.9	
* 64 Fluorobenzene	96	5.195	5.194	0.001	99	410449	50.0	50.0	
65 n-Butanol	56	5.408	5.414	-0.006	83	26802	500.0	509.9	
66 Trichloroethene	95	5.451	5.457	-0.006	96	50015	20.0	20.0	
67 Ethyl acrylate	56	5.548	5.548	0.000	97	26483	20.0	17.6	
68 Methylcyclohexane	83	5.554	5.554	0.000	92	79809	20.0	19.3	
69 1,2-Dichloropropane	63	5.676	5.682	-0.006	93	49132	20.0	19.2	
* 71 1,4-Dioxane-d8	96	5.719	5.719	0.000	41	21648	1000.0	1000.0	
70 Methyl methacrylate	100	5.725	5.731	-0.006	80	24606	40.0	39.1	
73 1,4-Dioxane	88	5.761	5.768	-0.007	31	11787	400.0	456.9	
72 n-Propyl acetate	43	5.761	5.768	-0.007	95	50278	20.0	15.7	
74 Dibromomethane	93	5.780	5.786	-0.006	94	33585	20.0	21.8	
75 Dichlorobromomethane	83	5.896	5.902	-0.006	99	56330	20.0	18.2	
77 2-Nitropropane	41	6.176	6.176	0.000	97	13267	NC	NC	
78 Epichlorohydrin	57	6.261	6.267	-0.006	97	76633	400.0	439.8	
79 cis-1,3-Dichloropropene	75	6.310	6.316	-0.006	86	67307	20.0	16.7	
80 4-Methyl-2-pentanone (MIBK	43	6.450	6.450	0.000	93	183886	100.0	101.7	
$ 81 Toluene-d8 (Surr)	98	6.524	6.530	-0.006	99	417662	50.0	49.9	
82 Toluene	91	6.585	6.591	-0.007	92	206572	20.0	19.1	
83 trans-1,3-Dichloropropene	75	6.834	6.840	-0.006	97	55496	20.0	16.0	
84 Ethyl methacrylate	69	6.847	6.847	0.000	85	50195	NC	NC	
85 1,1,2-Trichloroethane	83	6.987	6.993	-0.006	97	38594	20.0	19.7	
86 Tetrachloroethene	166	7.023	7.029	-0.006	95	54274	20.0	20.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
87 1,3-Dichloropropane	76	7.127	7.133	-0.006	88	72959	20.0	20.2	
88 2-Hexanone	43	7.158	7.157	0.001	91	119440	100.0	102.3	
89 n-Butyl acetate	73	7.219	7.218	0.001	96	12803	20.0	18.4	
90 Chlorodibromomethane	129	7.279	7.279	0.000	97	43405	20.0	17.9	
91 Ethylene Dibromide	107	7.377	7.377	0.000	98	47957	20.0	21.7	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	83	306061	50.0	50.0	
93 Chlorobenzene	112	7.700	7.700	0.000	98	245251	20.0	36.0	
94 Ethylbenzene	106	7.749	7.749	0.000	97	75510	20.0	20.1	
95 1,1,1,2-Tetrachloroethane	131	7.761	7.761	0.000	96	49051	20.0	19.8	
96 m-Xylene & p-Xylene	106	7.828	7.828	0.000	97	91647	20.0	19.4	
97 n-Butyl acrylate	73	8.054	8.054	0.000	99	33681	20.0	15.1	
98 o-Xylene	106	8.090	8.090	0.000	95	94487	20.0	19.7	
99 Styrene	104	8.102	8.109	-0.007	97	149302	20.0	18.0	
100 Amyl acetate (mixed isomer	43	8.188	8.194	-0.006	93	74140	20.0	13.0	
101 Bromoform	173	8.243	8.249	-0.006	98	28885	20.0	16.0	
102 Isopropylbenzene	105	8.304	8.304	0.000	95	232101	20.0	18.5	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	97	150760	50.0	51.0	
104 Bromobenzene	156	8.523	8.523	0.000	92	69066	20.0	20.1	
105 1,1,2,2-Tetrachloroethane	83	8.529	8.529	0.000	98	70666	20.0	19.1	
106 N-Propylbenzene	91	8.548	8.547	0.001	99	277183	20.0	17.0	
107 1,2,3-Trichloropropane	110	8.566	8.566	0.000	97	20594	20.0	20.5	
108 trans-1,4-Dichloro-2-buten	53	8.566	8.572	-0.006	66	4459	NC	NC	
109 4-Ethyltoluene	105	8.615	8.615	0.000	98	238506	NC	NC	
110 2-Chlorotoluene	91	8.621	8.627	-0.006	96	219924	20.0	19.8	
111 1,3,5-Trimethylbenzene	105	8.651	8.651	0.000	94	196794	20.0	17.5	
113 4-Chlorotoluene	91	8.688	8.694	-0.006	97	175851	20.0	18.2	
112 Butyl Methacrylate	87	8.688	8.694	-0.006	83	64913	20.0	14.8	
114 tert-Butylbenzene	119	8.828	8.834	-0.006	96	171029	20.0	18.7	
115 1,2,4-Trimethylbenzene	105	8.865	8.871	-0.006	96	206256	20.0	17.5	
116 sec-Butylbenzene	105	8.950	8.956	-0.006	99	249769	20.0	18.2	
117 4-Isopropyltoluene	119	9.023	9.035	-0.012	98	215366	20.0	17.9	
118 1,3-Dichlorobenzene	146	9.041	9.053	-0.012	97	131094	20.0	19.4	
* 119 1,4-Dichlorobenzene-d4	152	9.084	9.090	-0.006	93	194603	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.096	9.102	-0.006	96	135418	20.0	20.0	
136 1,2,3-Trimethylbenzene	105	9.102	9.108	-0.006	0	216133	20.0	18.1	
121 Benzyl chloride	91	9.182	9.188	-0.006	99	78945	20.0	10.5	
122 2,3-Dihydroindene	117	9.224	9.230	-0.006	92	241099	NC	NC	
123 p-Diethylbenzene	119	9.236	9.249	-0.013	94	129666	NC	NC	
124 n-Butylbenzene	92	9.255	9.261	-0.006	96	106728	20.0	17.4	
125 1,2-Dichlorobenzene	146	9.316	9.328	-0.012	98	126392	20.0	19.7	
126 1,2,4,5-Tetramethylbenzene	119	9.712	9.724	-0.012	98	173313	NC	NC	
127 1,2-Dibromo-3-Chloropropan	75	9.809	9.816	-0.007	91	8914	20.0	13.1	
128 1,3,5-Trichlorobenzene	180	9.901	9.913	-0.012	97	72349	NC	NC	
129 1,2,4-Trichlorobenzene	180	10.364	10.376	-0.012	94	52331	20.0	11.8	
130 Hexachlorobutadiene	225	10.437	10.450	-0.013	98	28999	20.0	14.1	
131 Naphthalene	128	10.584	10.590	-0.006	99	122892	20.0	11.8	
132 1,2,3-Trichlorobenzene	180	10.785	10.797	-0.012	95	37258	20.0	10.4	
S 133 1,2-Dichloroethene, Total	100				0		40.0	42.8	
S 134 Xylenes, Total	100				0		40.0	39.2	
S 135 Total BTEX	1				0		100.0	97.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

GASES Li_00227	Amount Added:	20.00	Units: uL	
ACROLEIN W_00068	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00062	Amount Added:	20.00	Units: uL	
8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00159	Amount Added:	1.00	Units: uL	Run Reagent

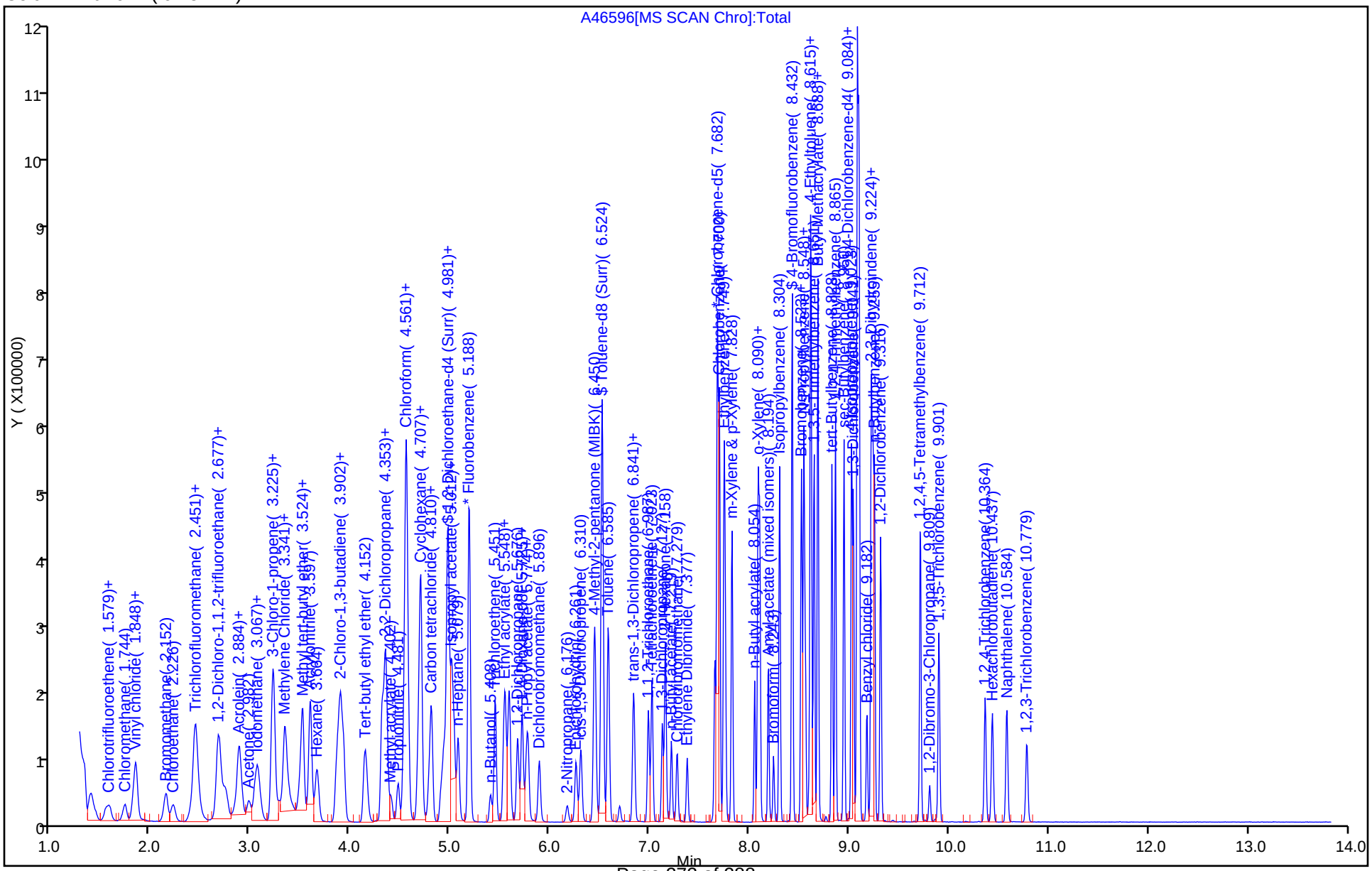
Report Date: 02-Oct-2017 20:19:16 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170930-61122.b\A46596.D

Injection Date:	01-Oct-2017 00:17:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	460-141629-C-5 MSD			Worklist Smp#:	45
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	44
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-141629-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-141753-C-1 MSD

Matrix: Water | Lab File ID: A46527.D

Analysis Method: 624 | Date Collected: 09/27/2017 14:55

Sample wt/vol: 5(mL) | Date Analyzed: 09/29/2017 21:01

Soil Aliquot Vol: | Dilution Factor: 10

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

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

Analysis Batch No.: 465797 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	195		10	2.8
79-34-5	1,1,2,2-Tetrachloroethane	177		10	1.9
79-00-5	1,1,2-Trichloroethane	187		10	0.80
75-34-3	1,1-Dichloroethane	193		10	2.4
75-35-4	1,1-Dichloroethene	227		10	3.4
107-06-2	1,2-Dichloroethane	172		10	2.5
78-87-5	1,2-Dichloropropane	178		10	1.8
123-91-1	1,4-Dioxane	3610		500	87
78-93-3	2-Butanone	1230		50	22
591-78-6	2-Hexanone	1080		50	7.2
108-10-1	MIBK	1100		50	6.3
67-64-1	Acetone	1160		50	11
71-43-2	Benzene	196		10	0.90
75-27-4	Bromodichloromethane	175		10	1.5
75-25-2	Bromoform	176		10	1.8
74-83-9	Bromomethane	254		10	1.8
75-15-0	Carbon disulfide	182		10	2.2
56-23-5	Carbon tetrachloride	195		10	3.3
108-90-7	Chlorobenzene	202		10	2.4
75-00-3	Chloroethane	209		10	3.7
67-66-3	Chloroform	204		10	2.2
74-87-3	Chloromethane	166		10	2.2
156-59-2	cis-1,2-Dichloroethene	216		10	2.6
10061-01-5	cis-1,3-Dichloropropene	166		10	1.6
124-48-1	Dibromochloromethane	190		10	2.2
100-41-4	Ethylbenzene	195		10	3.0
75-09-2	Methylene Chloride	210		10	2.1
100-42-5	Styrene	193		10	1.7
127-18-4	Tetrachloroethene	203		10	1.2
108-88-3	Toluene	187		10	2.5
156-60-5	trans-1,2-Dichloroethene	214		10	1.8
10061-02-6	trans-1,3-Dichloropropene	154		10	1.9
79-01-6	Trichloroethene	190		10	2.2
75-01-4	Vinyl chloride	189		10	0.60
1330-20-7	Xylenes, Total	388		20	2.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Client Sample ID: Lab Sample ID: 460-141753-C-1 MSD

Matrix: Water Lab File ID: A46527.D

Analysis Method: 624 Date Collected: 09/27/2017 14:55

Sample wt/vol: 5(mL) Date Analyzed: 09/29/2017 21:01

Soil Aliquot Vol: Dilution Factor: 10

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 465797 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		48-130
460-00-4	Bromofluorobenzene	112		71-131
2037-26-5	Toluene-d8 (Surr)	106		80-120
1868-53-7	Dibromofluoromethane (Surr)	115		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46527.D
Lims ID: 460-141753-C-1 MSD
Client ID:
Sample Type: MSD
Inject. Date: 29-Sep-2017 21:01:30 ALS Bottle#: 26 Worklist Smp#: 36
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 460-141753-C-1 MSD
Misc. Info.: 460-0061064-036
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\8260624W_1.m
Limit Group: VOA 624 ICAL
Last Update: 02-Oct-2017 12:16:50 Calib Date: 07-Aug-2017 08:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS1\20170807-58730.b\A43581.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: tupayachia Date: 30-Sep-2017 09:11:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.555	1.561	-0.006	85	5937	NC	NC	
3 Dichlorodifluoromethane	85	1.585	1.598	-0.013	98	47304	20.0	18.6	
4 Chloromethane	50	1.750	1.750	0.000	99	42866	20.0	16.6	
6 Butadiene	54	1.854	1.860	-0.006	90	49181	20.0	20.2	
5 Vinyl chloride	62	1.860	1.860	0.000	98	48343	20.0	18.9	
7 Bromomethane	94	2.152	2.159	-0.007	100	39974	20.0	25.4	
8 Chloroethane	64	2.226	2.238	-0.012	98	29307	20.0	20.9	
10 Dichlorofluoromethane	67	2.445	2.451	-0.006	94	72533	NC	NC	
9 Trichlorofluoromethane	101	2.445	2.451	-0.006	63	66741	20.0	24.4	
11 Pentane	72	2.457	2.457	0.000	95	15949	40.0	41.6	
12 Ethanol	46	2.671	2.671	0.000	66	4661	800.0	573.6	M
13 Ethyl ether	59	2.677	2.677	0.000	92	35930	20.0	18.6	
14 2-Methyl-1,3-butadiene	53	2.689	2.695	-0.006	93	34336	20.0	17.8	
15 1,2-Dichloro-1,1,2-trifluo	117	2.750	2.756	-0.006	83	40821	NC	NC	
16 Acrolein	56	2.854	2.866	-0.012	61	5321	40.0	43.3	
17 1,1,2-Trichloro-1,2,2-trif	101	2.878	2.884	-0.006	55	44284	20.0	22.4	
18 1,1-Dichloroethene	96	2.884	2.896	-0.012	94	47243	20.0	22.7	
19 Acetone	58	2.994	2.994	0.000	91	18469	100.0	115.5	
20 Iodomethane	142	3.049	3.055	-0.006	97	90647	20.0	22.9	
21 Carbon disulfide	76	3.079	3.085	-0.006	98	147516	20.0	18.2	
22 Isopropyl alcohol	45	3.103	3.097	0.006	1	14246	200.0	147.9	
23 3-Chloro-1-propene	76	3.219	3.225	-0.006	92	27954	20.0	17.3	
24 Methyl acetate	43	3.238	3.238	0.000	97	133423	100.0	76.3	
25 Cyclopentene	67	3.232	3.238	-0.006	88	117301	NC	NC	
26 Acetonitrile	41	3.299	3.305	-0.006	98	27584	200.0	125.1	
27 Methylene Chloride	84	3.347	3.353	-0.006	86	56134	20.0	21.0	
* 28 TBA-d9 (IS)	65	3.366	3.366	0.000	95	133356	1000.0	1000.0	
29 2-Methyl-2-propanol	59	3.433	3.427	0.006	91	33858	200.0	187.4	
30 Methyl tert-butyl ether	73	3.512	3.512	0.000	96	129374	20.0	19.4	
31 trans-1,2-Dichloroethene	96	3.524	3.530	-0.006	91	56231	20.0	21.4	
32 Acrylonitrile	53	3.603	3.603	0.000	94	169104	200.0	176.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Hexane	43	3.670	3.677	-0.007	88	32094	20.0	15.1	
34 Isopropyl ether	45	3.872	3.878	-0.006	94	130683	20.0	16.1	
35 1,1-Dichloroethane	63	3.896	3.902	-0.006	99	87951	20.0	19.3	
36 Vinyl acetate	86	3.914	3.914	0.000	99	20078	40.0	38.0	
37 2-Chloro-1,3-butadiene	88	3.939	3.939	0.000	87	50305	NC	NC	
38 Tert-butyl ethyl ether	59	4.146	4.158	-0.012	90	135362	NC	NC	
* 39 2-Butanone-d5	46	4.323	4.323	0.000	90	150922	250.0	250.0	
40 2,2-Dichloropropane	97	4.341	4.347	-0.006	67	14693	20.0	15.4	
41 cis-1,2-Dichloroethene	96	4.353	4.353	0.000	98	65028	20.0	21.6	
42 Ethyl acetate	70	4.372	4.372	0.000	94	8340	40.0	51.0	
43 2-Butanone (MEK)	72	4.365	4.372	-0.007	97	23156	100.0	122.7	
44 Methyl acrylate	55	4.408	4.414	-0.006	58	33458	NC	NC	
45 Propionitrile	54	4.481	4.481	0.000	99	54615	NC	NC	
46 Chlorobromomethane	128	4.542	4.542	0.000	81	32379	20.0	23.4	
47 Tetrahydrofuran	72	4.542	4.542	0.000	54	11596	40.0	53.9	
48 Methacrylonitrile	67	4.567	4.567	0.000	86	187740	NC	NC	
49 Chloroform	83	4.585	4.585	0.000	99	89106	20.0	20.4	
50 Cyclohexane	56	4.695	4.689	0.006	86	75744	20.0	17.2	
51 1,1,1-Trichloroethane	97	4.707	4.707	0.000	96	66804	20.0	19.5	
$ 52 Dibromofluoromethane (Surr	113	4.713	4.713	0.000	98	128246	50.0	57.4	
54 Carbon tetrachloride	117	4.798	4.798	0.000	97	57889	20.0	19.5	
55 1,1-Dichloropropene	75	4.817	4.817	0.000	97	65361	20.0	19.3	
56 Isobutyl alcohol	43	4.939	4.920	0.018	90	42310	NC	NC	
57 Isooctane	57	4.945	4.945	0.000	98	139877	NC	NC	
58 Benzene	78	4.975	4.975	0.000	95	195318	20.0	19.6	
$ 59 1,2-Dichloroethane-d4 (Sur	65	4.987	4.987	0.000	95	119278	50.0	48.7	
60 Isopropyl acetate	43	5.018	5.012	0.006	94	111881	20.0	15.1	
61 Tert-amyl methyl ether	73	5.018	5.024	-0.006	90	163172	NC	NC	
62 1,2-Dichloroethane	62	5.048	5.048	0.000	96	51953	20.0	17.2	
63 n-Heptane	71	5.085	5.085	0.000	85	35704	20.0	16.2	
* 64 Fluorobenzene	96	5.195	5.195	0.000	99	421628	50.0	50.0	
65 n-Butanol	56	5.414	5.408	0.006	84	16952	500.0	363.5	
66 Trichloroethene	95	5.457	5.457	0.000	95	48801	20.0	19.0	
67 Ethyl acrylate	56	5.554	5.554	0.000	97	27105	20.0	17.5	
68 Methylcyclohexane	83	5.554	5.554	0.000	92	82615	20.0	19.4	
69 1,2-Dichloropropane	63	5.682	5.682	0.000	92	46670	20.0	17.8	
* 71 1,4-Dioxane-d8	96	5.713	5.719	-0.006	33	17983	1000.0	1000.0	
70 Methyl methacrylate	100	5.725	5.725	0.000	80	23767	40.0	36.7	
73 1,4-Dioxane	88	5.762	5.762	0.000	28	7737	400.0	361.1	
72 n-Propyl acetate	43	5.762	5.768	-0.006	95	45345	20.0	13.8	
74 Dibromomethane	93	5.780	5.786	-0.006	94	31643	20.0	20.0	
75 Dichlorobromomethane	83	5.896	5.896	0.000	99	55647	20.0	17.5	
76 2-Chloroethyl vinyl ether	63	6.164	6.164	0.000	92	23736	20.0	16.2	
77 2-Nitropropane	41	6.176	6.176	0.000	81	12282	NC	NC	
78 Epichlorohydrin	57	6.261	6.268	-0.007	99	60717	400.0	392.6	
79 cis-1,3-Dichloropropene	75	6.310	6.310	0.000	87	65101	20.0	16.6	
80 4-Methyl-2-pentanone (MIBK	43	6.450	6.450	0.000	92	176675	100.0	110.1	
$ 81 Toluene-d8 (Surr)	98	6.530	6.530	0.000	99	428973	50.0	52.8	
82 Toluene	91	6.585	6.591	-0.006	93	195973	20.0	18.7	
83 trans-1,3-Dichloropropene	75	6.834	6.841	-0.007	97	51711	20.0	15.4	
84 Ethyl methacrylate	69	6.847	6.847	0.000	85	56726	NC	NC	
85 1,1,2-Trichloroethane	83	6.987	6.987	0.000	97	35443	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
86 Tetrachloroethene	166	7.023	7.023	0.000	96	50971	20.0	20.3	
87 1,3-Dichloropropane	76	7.127	7.133	-0.006	88	66359	20.0	19.0	
88 2-Hexanone	43	7.158	7.158	0.000	91	111839	100.0	108.0	
89 n-Butyl acetate	73	7.219	7.225	-0.006	96	12544	20.0	18.6	
90 Chlorodibromomethane	129	7.280	7.280	0.000	97	44683	20.0	19.0	
91 Ethylene Dibromide	107	7.377	7.377	0.000	99	41303	20.0	19.3	
* 92 Chlorobenzene-d5	117	7.682	7.682	0.000	83	296905	50.0	50.0	
93 Chlorobenzene	112	7.700	7.700	0.000	97	133746	20.0	20.2	
94 Ethylbenzene	106	7.749	7.749	0.000	97	71304	20.0	19.5	
95 1,1,1,2-Tetrachloroethane	131	7.761	7.761	0.000	95	47196	20.0	19.7	
96 m-Xylene & p-Xylene	106	7.828	7.828	0.000	98	87477	20.0	19.1	
97 n-Butyl acrylate	73	8.054	8.054	0.000	99	39310	20.0	18.2	
98 o-Xylene	106	8.090	8.090	0.000	94	91241	20.0	19.7	
99 Styrene	104	8.109	8.109	0.000	97	154744	20.0	19.3	
100 Amyl acetate (mixed isomer	43	8.194	8.194	0.000	92	78863	20.0	13.4	
101 Bromoform	173	8.243	8.243	0.000	98	30817	20.0	17.6	
102 Isopropylbenzene	105	8.304	8.304	0.000	95	227931	20.0	18.7	
$ 103 4-Bromofluorobenzene	174	8.432	8.432	0.000	95	160000	50.0	55.8	
104 Bromobenzene	156	8.523	8.523	0.000	92	67795	20.0	19.2	
105 1,1,2,2-Tetrachloroethane	83	8.529	8.529	0.000	99	67413	20.0	17.7	
106 N-Propylbenzene	91	8.548	8.548	0.000	99	274498	20.0	16.3	
107 1,2,3-Trichloropropane	110	8.566	8.566	0.000	97	19427	20.0	18.8	
108 trans-1,4-Dichloro-2-buten	53	8.566	8.566	0.000	66	4761	NC	NC	
109 4-Ethyltoluene	105	8.615	8.615	0.000	98	236989	NC	NC	
110 2-Chlorotoluene	91	8.621	8.621	0.000	96	190016	20.0	16.7	
111 1,3,5-Trimethylbenzene	105	8.651	8.651	0.000	93	195908	20.0	16.9	
113 4-Chlorotoluene	91	8.688	8.688	0.000	96	170940	20.0	17.2	
112 Butyl Methacrylate	87	8.694	8.694	0.000	82	76634	20.0	17.0	
114 tert-Butylbenzene	119	8.834	8.834	0.000	96	157786	20.0	16.8	
115 1,2,4-Trimethylbenzene	105	8.871	8.865	0.006	96	203823	20.0	16.8	
116 sec-Butylbenzene	105	8.956	8.956	0.000	99	245683	20.0	17.4	
117 4-Isopropyltoluene	119	9.029	9.029	0.000	98	211609	20.0	17.1	
118 1,3-Dichlorobenzene	146	9.047	9.047	0.000	98	131344	20.0	18.9	
* 119 1,4-Dichlorobenzene-d4	152	9.090	9.084	0.006	95	200069	50.0	50.0	
120 1,4-Dichlorobenzene	146	9.102	9.102	0.000	96	132782	20.0	19.0	
136 1,2,3-Trimethylbenzene	105	9.108	9.102	0.006	0	212540	20.0	17.4	
121 Benzyl chloride	91	9.188	9.182	0.006	99	86500	20.0	11.2	
122 2,3-Dihydroindene	117	9.230	9.224	0.006	94	242166	NC	NC	
123 p-Diethylbenzene	119	9.243	9.243	0.000	94	132628	NC	NC	
124 n-Butylbenzene	92	9.261	9.261	0.000	96	109713	20.0	17.4	
125 1,2-Dichlorobenzene	146	9.322	9.322	0.000	98	125381	20.0	19.0	
126 1,2,4,5-Tetramethylbenzene	119	9.724	9.718	0.006	98	180941	NC	NC	
127 1,2-Dibromo-3-Chloropropan	75	9.816	9.810	0.006	92	8800	20.0	12.6	
128 1,3,5-Trichlorobenzene	180	9.907	9.907	0.000	97	71099	NC	NC	
129 1,2,4-Trichlorobenzene	180	10.376	10.370	0.006	94	52034	20.0	11.4	
130 Hexachlorobutadiene	225	10.444	10.444	0.000	98	29103	20.0	13.8	
131 Naphthalene	128	10.590	10.584	0.006	99	127904	20.0	11.9	
132 1,2,3-Trichlorobenzene	180	10.791	10.785	0.006	96	32710	20.0	8.91	
S 133 1,2-Dichloroethene, Total	100				0		40.0	43.0	
S 134 Xylenes, Total	100				0		40.0	38.8	
S 135 Total BTEX	1				0		100.0	96.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00227	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00062	Amount Added:	20.00	Units: uL	
ACROLEIN W_00068	Amount Added:	4.00	Units: uL	
8260ISNEW_00113	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00159	Amount Added:	1.00	Units: uL	Run Reagent

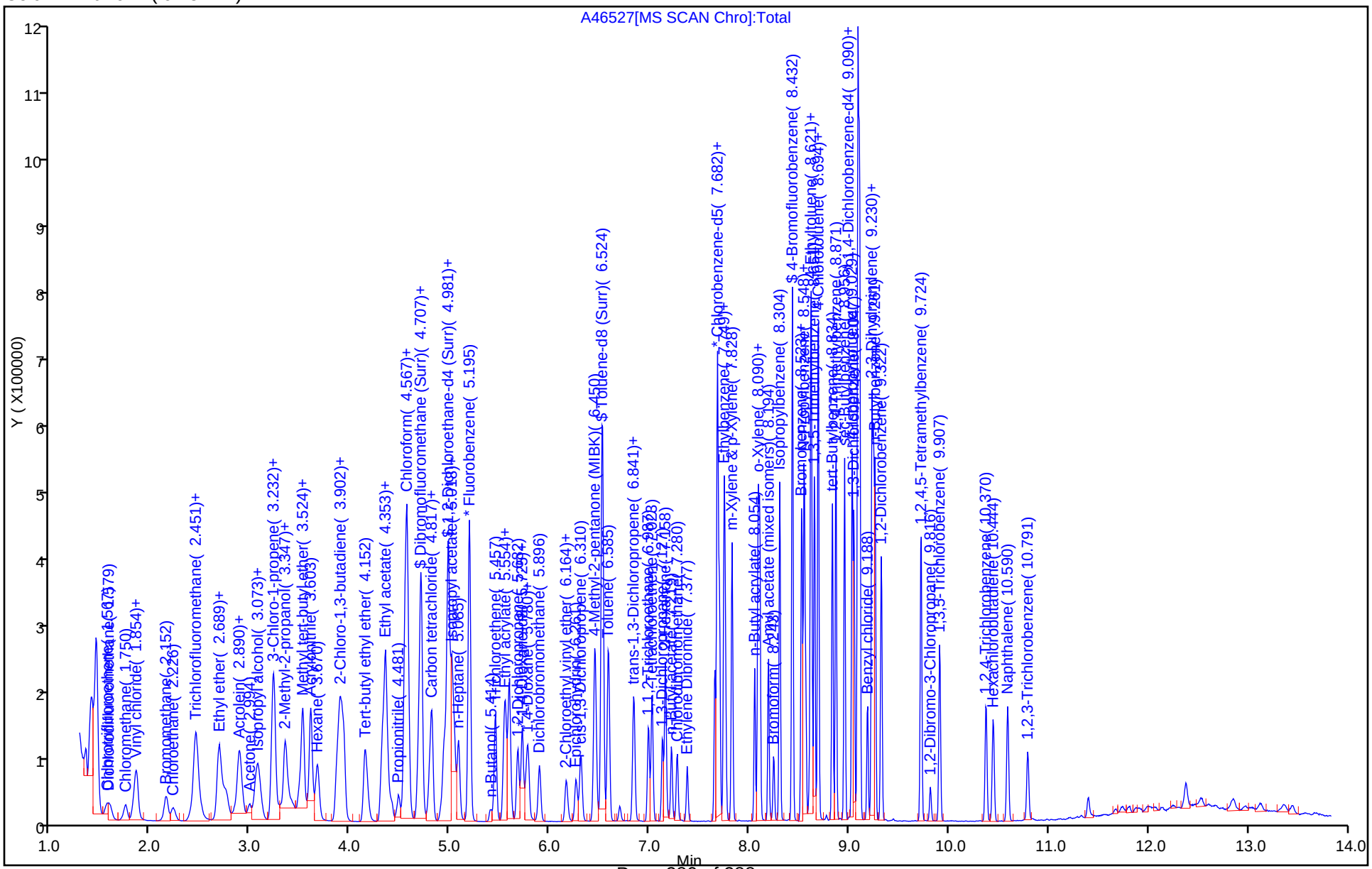
Report Date: 02-Oct-2017 12:16:51 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS1\20170929-61064.b\A46527.D

Injection Date:	29-Sep-2017 21:01:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	460-141753-C-1 MSD			Worklist Smp#:	36
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	26
Method:	8260624W_1	Limit Group:	VOA 624 ICAL		

Column: Rtx-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Instrument ID: CVOAMS1 Start Date: 08/07/2017 05:50

Analysis Batch Number: 454421 End Date: 08/08/2017 02:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-454421/1		08/07/2017 05:50	1	A43573.D	Rtx-624 0.25(mm)
STD8 460-454421/2 IC		08/07/2017 06:15	1	A43574.D	Rtx-624 0.25(mm)
STD1 460-454421/4 IC		08/07/2017 07:01	1	A43576.D	Rtx-624 0.25(mm)
STD5 460-454421/5 IC		08/07/2017 07:23	1	A43577.D	Rtx-624 0.25(mm)
STD20 460-454421/6 ICIS		08/07/2017 07:46	1	A43578.D	Rtx-624 0.25(mm)
STD50 460-454421/7 IC		08/07/2017 08:09	1	A43579.D	Rtx-624 0.25(mm)
STD200 460-454421/8 IC		08/07/2017 08:31	1	A43580.D	Rtx-624 0.25(mm)
STD500 460-454421/9 IC		08/07/2017 08:54	1	A43581.D	Rtx-624 0.25(mm)
ICV 460-454421/14		08/07/2017 11:02	1		Rtx-624 0.25(mm)
ZZZZZ		08/07/2017 11:37	1		Rtx-624 0.25(mm)
ZZZZZ		08/07/2017 13:09	1		Rtx-624 0.25(mm)
ZZZZZ		08/07/2017 18:22	10		Rtx-624 0.25(mm)
ZZZZZ		08/07/2017 18:44	10		Rtx-624 0.25(mm)
ZZZZZ		08/07/2017 19:53	1		Rtx-624 0.25(mm)
ZZZZZ		08/07/2017 20:16	1		Rtx-624 0.25(mm)
ZZZZZ		08/07/2017 20:38	1		Rtx-624 0.25(mm)
ZZZZZ		08/07/2017 21:01	1		Rtx-624 0.25(mm)
ZZZZZ		08/07/2017 21:28	1		Rtx-624 0.25(mm)
ZZZZZ		08/07/2017 21:51	1		Rtx-624 0.25(mm)
ZZZZZ		08/07/2017 22:14	1		Rtx-624 0.25(mm)
ZZZZZ		08/07/2017 22:37	1		Rtx-624 0.25(mm)
ZZZZZ		08/07/2017 23:22	1		Rtx-624 0.25(mm)
ZZZZZ		08/07/2017 23:46	1		Rtx-624 0.25(mm)
ZZZZZ		08/08/2017 00:08	1		Rtx-624 0.25(mm)
ZZZZZ		08/08/2017 00:31	1		Rtx-624 0.25(mm)
ZZZZZ		08/08/2017 00:54	1		Rtx-624 0.25(mm)
ZZZZZ		08/08/2017 01:16	1		Rtx-624 0.25(mm)
ZZZZZ		08/08/2017 01:39	1		Rtx-624 0.25(mm)
ZZZZZ		08/08/2017 02:02	1		Rtx-624 0.25(mm)
ZZZZZ		08/08/2017 02:24	2		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Instrument ID: CVOAMS1 Start Date: 09/29/2017 07:26

Analysis Batch Number: 465797 End Date: 09/30/2017 06:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-465797/1		09/29/2017 07:26	1	A46492.D	Rtx-624 0.25(mm)
CCVIS 460-465797/3		09/29/2017 08:13	1	A46494.D	Rtx-624 0.25(mm)
LCS 460-465797/4		09/29/2017 08:36	1	A46495.D	Rtx-624 0.25(mm)
ZZZZZ		09/29/2017 08:59	1		Rtx-624 0.25(mm)
MB 460-465797/8		09/29/2017 10:08	1	A46499.D	Rtx-624 0.25(mm)
ZZZZZ		09/29/2017 10:31	1		Rtx-624 0.25(mm)
ZZZZZ		09/29/2017 12:12	1		Rtx-624 0.25(mm)
ZZZZZ		09/29/2017 12:35	1		Rtx-624 0.25(mm)
ZZZZZ		09/29/2017 12:58	1		Rtx-624 0.25(mm)
ZZZZZ		09/29/2017 13:21	1		Rtx-624 0.25(mm)
ZZZZZ		09/29/2017 13:44	1		Rtx-624 0.25(mm)
ZZZZZ		09/29/2017 14:08	1		Rtx-624 0.25(mm)
ZZZZZ		09/29/2017 14:30	1		Rtx-624 0.25(mm)
ZZZZZ		09/29/2017 14:53	1		Rtx-624 0.25(mm)
460-141753-C-1 MS		09/29/2017 20:38	10	A46526.D	Rtx-624 0.25(mm)
460-141753-C-1 MSD		09/29/2017 21:01	10	A46527.D	Rtx-624 0.25(mm)
ZZZZZ		09/29/2017 22:11	1		Rtx-624 0.25(mm)
ZZZZZ		09/29/2017 22:34	1		Rtx-624 0.25(mm)
ZZZZZ		09/29/2017 22:56	1		Rtx-624 0.25(mm)
ZZZZZ		09/29/2017 23:19	1		Rtx-624 0.25(mm)
ZZZZZ		09/29/2017 23:42	1		Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 00:05	1		Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 00:28	1		Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 00:51	1		Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 01:13	1		Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 01:36	1		Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 01:59	1		Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 02:22	1		Rtx-624 0.25(mm)
460-141629-1		09/30/2017 03:07	1	A46543.D	Rtx-624 0.25(mm)
460-141629-2		09/30/2017 03:30	1	A46544.D	Rtx-624 0.25(mm)
460-141629-3		09/30/2017 03:53	1	A46545.D	Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 04:16	1		Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 04:38	1		Rtx-624 0.25(mm)
460-141629-7		09/30/2017 05:01	1	A46548.D	Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 06:09	5		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Instrument ID: CVOAMS1 Start Date: 09/30/2017 06:56

Analysis Batch Number: 466054 End Date: 10/01/2017 00:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-466054/1		09/30/2017 06:56	1	A46552.D	Rtx-624 0.25(mm)
CCVIS 460-466054/3		09/30/2017 08:08	1	A46554.D	Rtx-624 0.25(mm)
LCS 460-466054/4		09/30/2017 08:31	1	A46555.D	Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 09:01	1		Rtx-624 0.25(mm)
MB 460-466054/8		09/30/2017 10:11	1	A46559.D	Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 19:00	1		Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 19:22	1		Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 19:45	1		Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 20:08	1		Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 20:30	1		Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 20:53	1		Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 21:16	1		Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 21:38	1		Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 22:01	1		Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 22:24	1		Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 22:47	1		Rtx-624 0.25(mm)
ZZZZZ		09/30/2017 23:09	1		Rtx-624 0.25(mm)
460-141629-5		09/30/2017 23:32	1	A46594.D	Rtx-624 0.25(mm)
460-141629-5 MS		09/30/2017 23:55	10	A46595.D	Rtx-624 0.25(mm)
460-141629-5 MSD		10/01/2017 00:17	10	A46596.D	Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-141629-1

SDG No.:

Instrument ID: CVOAMS1 Start Date: 10/03/2017 06:08

Analysis Batch Number: 466535 End Date: 10/04/2017 03:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-466535/1		10/03/2017 06:08	1	A46707.D	Rtx-624 0.25(mm)
CCVIS 460-466535/3		10/03/2017 06:54	1	A46709.D	Rtx-624 0.25(mm)
LCS 460-466535/5		10/03/2017 07:39	1	A46711.D	Rtx-624 0.25(mm)
MB 460-466535/8		10/03/2017 08:48	1	A46714.D	Rtx-624 0.25(mm)
ZZZZZ		10/03/2017 10:04	5		Rtx-624 0.25(mm)
ZZZZZ		10/03/2017 10:47	1		Rtx-624 0.25(mm)
ZZZZZ		10/03/2017 13:27	50		Rtx-624 0.25(mm)
LCSD 460-466535/60		10/03/2017 16:09	1	A46733.D	Rtx-624 0.25(mm)
ZZZZZ		10/03/2017 18:29	10		Rtx-624 0.25(mm)
ZZZZZ		10/03/2017 18:51	10		Rtx-624 0.25(mm)
ZZZZZ		10/03/2017 19:15	1		Rtx-624 0.25(mm)
ZZZZZ		10/03/2017 19:38	1		Rtx-624 0.25(mm)
ZZZZZ		10/03/2017 20:01	1		Rtx-624 0.25(mm)
ZZZZZ		10/03/2017 20:24	1		Rtx-624 0.25(mm)
460-141629-4		10/03/2017 20:47	1	A46747.D	Rtx-624 0.25(mm)
460-141629-6		10/03/2017 21:10	1	A46748.D	Rtx-624 0.25(mm)
ZZZZZ		10/03/2017 21:57	1		Rtx-624 0.25(mm)
ZZZZZ		10/03/2017 22:19	1		Rtx-624 0.25(mm)
ZZZZZ		10/03/2017 22:42	1		Rtx-624 0.25(mm)
ZZZZZ		10/03/2017 23:05	1		Rtx-624 0.25(mm)
ZZZZZ		10/03/2017 23:28	1		Rtx-624 0.25(mm)
ZZZZZ		10/04/2017 00:13	1		Rtx-624 0.25(mm)
ZZZZZ		10/04/2017 00:37	10		Rtx-624 0.25(mm)
ZZZZZ		10/04/2017 01:00	1		Rtx-624 0.25(mm)
ZZZZZ		10/04/2017 01:23	1		Rtx-624 0.25(mm)
ZZZZZ		10/04/2017 02:09	5		Rtx-624 0.25(mm)
ZZZZZ		10/04/2017 03:40	2		Rtx-624 0.25(mm)

Shipping and Receiving Documents

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

Name (for report and invoice) Bruce Manganiello	Samplers Name (Printed) D. Murray	Site/Project Identification 1192 - AGWM 2017
Company ECM, INC	P. O. #	State (Location of site): NJ: ☐ NY: ☑ Other:
		Regulatory Program: NYSDEC DKQP: ☐
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 0998 Fax 908 874 0920		

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

LAB USE ONLY
Project No: 46014894
Job No: 141629

Sample Identification	Date	Time	Matrix	No. of Cont.	TCL VOC + TICs (15) Search	1,4-Dioxane for MW-36	Sample Numbers
Trip Blank	9/19/17	-	AQ	2	X		1
FB	9/20/17	0935	AQ	2	X		2
PZ-23	9/20/17	0940	GW	3	X		3
MW-36	9/20/17	1025	GW	3	X	X	4
MW-31	9/20/17	1110	GW	3	X		5
MW-24	9/20/17	1200	GW	3	X		6
MW-71	9/20/17	1235	GW	3	X		7

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil: | Water: 1/2

460-141629 Chain of Custody

Special Instructions

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1)	ECM	9/21/17 10:25	1)	9/22/17
Relinquished by 2)	Company	Date / Time	Received by 2)	Company 10:25
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company 01 · 49

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0715)

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 141629

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	0.1 °C	0.1 °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: _____ **Date:** 09/26/2014

Login Sample Receipt Checklist

Client: ECM, Inc.

Job Number: 460-141629-1

Login Number: 141629
List Number: 1
Creator: Villanueva, Angelica P

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.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.1°C IR9
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	